

Global Contact Information

Infinova[®]
The Integrator's Manufacturer

World Headquarters

Infinova
51 Stouts Lane
Monmouth Junction, NJ, 08852
United States
Phone: +1 732 355 9100
+1 888 685 2002 (toll-free)
Fax: +1 732 355 9101
E-mail: Sales@infinova.com

North America

March Networks Corporation
303 Terry Fox Drive
Ottawa, Ontario
Canada
K2K 3J1
Toll Free: +1 800 563 5564
Phone: +1 613 591 8181
Fax: +1 613 591 7337
E-mail: sales@marchnetworks.com
info@marchnetworks.com

Hong Kong

Infinova (Hong Kong) Ltd.
Suite 403, Fook Hong Bldg,
19 Sheung Yuet Road, Kowloon Bay,
Kowloon, Hong Kong
Phone: +852 27956540
Fax: +852 27967740
E-mail: Sales-HK@infinova.com

India

Infinova India Pvt Ltd.
301, Siddhivinayak Aurum, Sr.No.33/1/1/2,
Plot no B 40, Sub Plot No 20,
Vadgaon Sheri, Viman Nagar,
Pune - 411014. Maharashtra State
Landline and Fax: +91 020 412 14321
Mobile: +91 901 107 6417
North: +91 989 912 1215
East: +91 900 700 4390
South: +91 968 648 1834
West: +91 992 057 7676
E-mail: Sales-IND@infinova.com

Europe

March Networks S.p.A.
Via dei Lavoratori Autobianchi n.1, Edificio 23
Desio, Monza e Brianza, Italy
20832
Phone: +39 0362 17935
Fax: +39 0362 17935 90
E-mail: sales@marchnetworks.com
info@marchnetworks.com

Latin America

March Networks
Paseo de los Laureles 458-203
Col. Bosques de las Lomas
México, D.F.
05120
Phone: +52 55 5259 9511 / 7913
Alternate: +1 561 309 3308
Fax: +52 55 5257 0452
E-mail: sales@marchnetworks.com
info@marchnetworks.com

Middle East & Africa

Infinova Middle East (Kuwait)
Office#13, 5th floor, KFH Bldg#240,
Mirqab, Kuwait
Phone: +965 2247 5678
Fax: +965 2247 5678
Mobile: +965 9000 1133
VoIP: +1 310 868 1936

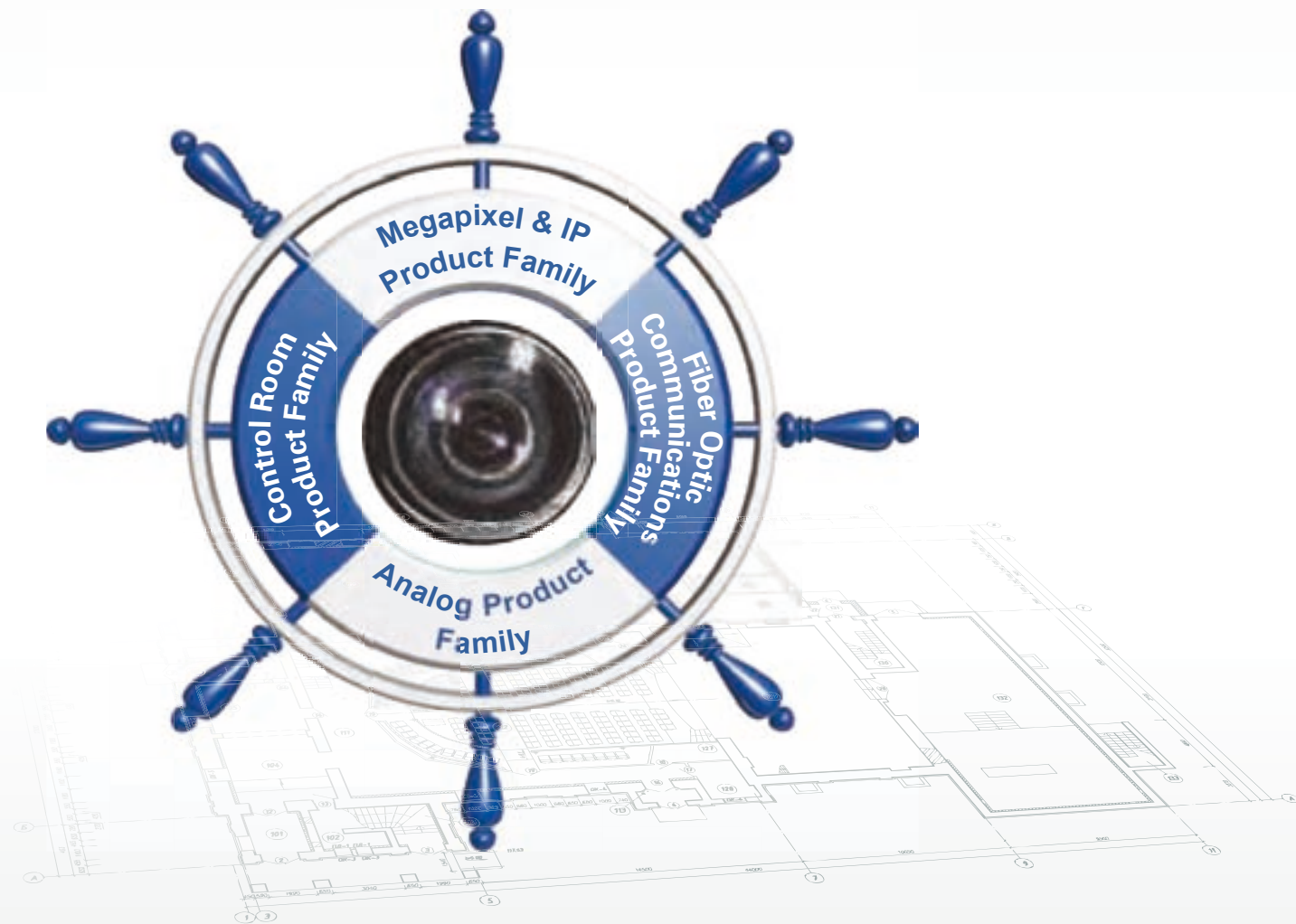
Infinova Corporation (Dubai)
Unit 3010
Jumeirah Bay Tower X2
Jumeirah Lake Towers
PO Box 634387
Dubai, United Arab Emirates
Phone: +971 04 399 5525
Fax: +971 04 399 5531
E-mail: Sales-ME@infinova.com

©Infinova. All rights reserved.
REV: ENPQGAN14

Product Quick Guide

Infinova[®]
The Integrator's Manufacturer

Product Quick Guide



Infinova[®]
The Integrator's Manufacturer

The Integrator's Manufacturer

A Bridge from Analog to IP

Infinova is an American security products manufacturer focused on quality, reliability and technology. We were established in 1993 and are known for our depth of experience in:

- HD Megapixel, IP and Analog technology.
- Solutions where these technologies coexist.
- Managing costs and leveraging the most from your existing security infrastructure.
- Seamless communication between Infinova Solutions and Third Party Solutions

Successful solutions come about only when you understand how all the pieces fit together. Whether it involves components or code, our engineers and sales professionals work hand-in-hand to bring about successful long-term solutions.

As a manufacturer, we can adapt our technology and customize our products for specialized applications. Our open platform strategy ensures that our products are flexible, scalable and compatible with the leading brands in the industry. As a system solutions manufacturer for security and surveillance, we build reliable products designed to survive harsh industrial and commercial environments.

Through our advanced technology and engineering skills Infinova brings you a solution you can rely on.

Our approach gives integrators a best-in-class security solution from the Control Room to the Cameras.

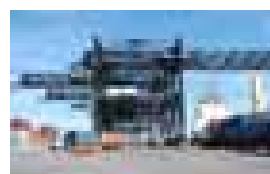
- Control Room with network video management, matrix switchers, access control, communications and control equipment.
- Communications with digital fiber optic technology, stand-alone and rack-mount modems.
- To the cameras where we have a range of megapixel HD, IP and analog cameras as well as access control devices for different applications.

Because of our depth of industry experience on both IP and analog technology our solution enables both to coexist. It's like a bridge between analog and IP that you cross in a cost-managed way, at your own pace, extending the life of your existing equipment and protecting your investment.

For example, combining IP video with analog technology over a fiber optic backbone all managed as a single solution through Infinova's V2216 Network Video Management Software. Please refer to the Infinova Solutions Brochure for more information about our cost-managed solution for migrating from analog to IP technology.

In the security industry, we all know that it is essential to have reliable products that function consistently as intended. Infinova pushes this standard definition to the next level. To us, reliability means that your solution must perform and maintain functions in routine circumstances, as well as in adverse or unexpected situations. We expect our products to exceed your expectations, not merely meet them.

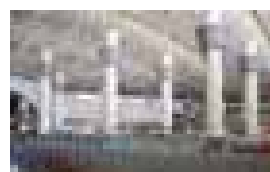
As you get to know Infinova you'll see that our technology is the driver behind thousands of large security and surveillance solutions at our customer sites worldwide. Today, our customers include major corporations, educational facilities, government institutions and many other public and private facilities around the world. Here are just a few examples.



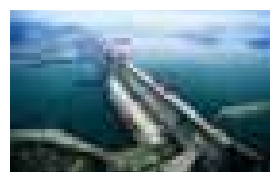
Port of Miami



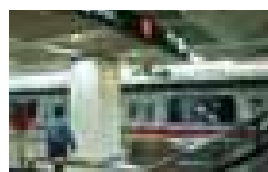
Los Angeles MTA



Kuwait Airport



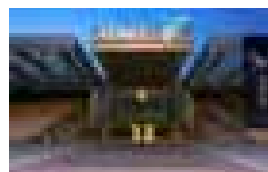
Three Gorges Dam



Shanghai Subway



University of South Florida



Abu Dhabi National Exhibition Centre



Hotel Rose Rayhaan

Table of Contents

Megapixel & IP Product Family	2
Fixed Cameras	4
Fixed Minidome Cameras	6
PTZ Dome Cameras	8
Integrated PTZ Camera System	10
Video Encoders and Decoders	12
Network Video Management Software	13
Analog Product Family	14
Fixed Cameras	16
Fixed Minidome Cameras	18
Integrated PTZ Camera System	20
PTZ Dome Cameras	22
Camera Accessories	24
Lenses & IR Illuminators	26
Camera Housings & Mounts	28
Control Room Product Family	30
Monitors	32
TCP/IP Networkable Video Matrix Switchers	33
Keyboards/Controllers	34
CCTV Accessories	36
Digital Video Recorders (DVRs)	40
Fiber Optic Communications Product Family	42
Digital Fiber Optics	44
Fiber Optics Accessories	52
Specialized Product Family	53
Part Number List	57

Megapixel & IP Product Family



Fixed Cameras

	HD Megapixel IR IP Cameras	HD Megapixel Low Light IP Cameras	
	2MP, IR, Day/Night, Motorized Zoom Lens	2MP, Day/Night	1MP, Day/Night
Model	V6202IR-T	V6202-T02	V6202-T00
Product Picture			
Image Sensor	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS
Video Compression (with multi-streaming)	H.264 High profile/M-JPEG	H.264 High profile/M-JPEG	H.264 High profile/M-JPEG
Maximum Resolution	1920×1080@H.264/M-JPEG	1920×1080@H.264/M-JPEG	1280×720@H.264/M-JPEG
Optional Resolution	Major stream: 1920×1080, 1280×1024, 1280×960, 1280×720, 1024×768, 800×600; Minor stream: 720×576, 720×480, 640×480, 352×288, 352×240	Major stream: 1920×1080, 1280×1024, 1280×960, 1280×720, 1024×768, 800×600; Minor stream: 720×576, 720×480, 640×480, 352×288, 352×240	Major stream: 1280×720, 1024×768, 800×600 Minor stream: 720×576, 720×480, 640×480, 352×288, 352×240
Maximum Frame Rate	30fps@1920×1080	30fps@1920×1080	30fps@1280×720
Sensitivity	Color mode: 0.05 lux@F1.2 (30IRE, AGC ON); B/W mode: 0 lux@F1.2 (IR ON)	Color mode: 0.05 lux@F1.2 (30IRE, AGC ON); B/W mode: 0.01 lux@F1.2 (30IRE, AGC ON)	Color mode: 0.05 lux@F1.2 (30IRE, AGC ON); B/W mode: 0.01 lux@F1.2 (30IRE, AGC ON)
Day/Night Functionality	ICR	ICR	ICR
IR Illumination Distance	30m or 50m	-	-
Dynamic Range	72.4dB	72.4dB	72.4dB
Electronic Shutter	Auto/Manual (1/25s ~ 1/8000s)	Auto/Manual (1/25s~1/8000s)	Auto/Manual (1/25s~1/8000s)
Audio	Bi-directional, G.711	Bi-directional, G.711	Bi-directional, G.711
Alarm	2 inputs, 1 output	2 inputs, 1 output	2 inputs, 1 output
Local Recording	Available	Available	Available
Privacy Mask	Available	Available	Available
Motion Detection	Available	Available	Available
Password Protection	Available	Available	Available
Upgrade Online	Available	Available	Available
White Balance	Auto/Manual/Incandescent light/Cool white fluorescent light/Sun light/Cloudy/Natrium light	Auto/Manual/Incandescent light/Cool white fluorescent light/Sun light/Cloudy/Natrium lightv	Auto/Manual/Incandescent light/Cool white fluorescent light/Sun light/Cloudy/Natrium light
Network Protocols	IPv4, TCP, UDP, IGMP, DHCP, FTP, SNMP (V3), SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, 802.1X, QoS, PPPoE, DNS, ARP, ICMP	IPv4, TCP, UDP, IGMP, DHCP, FTP, SNMP (V3), SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, 802.1X, QoS, PPPoE, DNS, ARP, ICMP	IPv4, TCP, UDP, IGMP, DHCP, FTP, SNMP (V3), SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, 802.1X, QoS, PPPoE, DNS, ARP, ICMP
Power Supply	V6202IR-TA: PoE IEEE 802.3af Class 3/12VDC/24VAC; V6202IR-TX: 12VDC/24VAC	PoE IEEE 802.3af Class 2/12VDC/24VAC	PoE IEEE 802.3af Class 2/12VDC/24VAC
Power Consumption	V6202IR-TA:<11W (1.5A at 12VDC); V6202IR-TX: <20W (w/heater) (2.5A at 12VDC)	<4W	<4W
Environmental	V6202IR-TA: -4°F~140°F (-20°C~60°C); V6202IR-TX: -40°F~140°F (-40°C~60°C) (w/heater)	14°F~122°F (-10°C~50°C)	14°F~122°F (-10°C~50°C)
Others	IR LED, 850nm, IP66 rating, ONVIF-compliant	ONVIF-compliant	ONVIF-compliant

Fixed Minidome Cameras

	HD Megapixel IR IP Minidome Cameras	HD Megapixel Low Light IP Minidome Cameras				
	2MP, IR, Day/Night, Motorized Zoom Lens, Vandal Resistant	2MP, Day/Night, Motorized Zoom Lens, Vandal Resistant	1MP, Day/Night, Motorized Zoom Lens, Vandal Resistant	2MP, Day/Night, Vandal Resistant	1MP, Day/Night, Vandal Resistant	1MP, Day/Night
Model	V6822IR-TA2	V6822-TA2	V6822-TA0	V6822-T02	V6822-T00	V6812-T00
Product Picture						
Image Sensor	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS
Video Compression (with multi-streaming)	H.264 High profile/M-JPEG	H.264 High profile/M-JPEG	H.264 High profile/M-JPEG	H.264 High profile/M-JPEG	H.264 High profile/M-JPEG	H.264 High profile/M-JPEG
Maximum Resolution	1920×1080@H.264/M-JPEG	1920×1080@H.264/M-JPEG	1280×720@H.264/M-JPEG	1920×1080@H.264/M-JPEG	1280×720@H.264/M-JPEG	1280×720@H.264/M-JPEG
Optional Resolution	Major stream: 1920×1080, 1280×1024, 1280×960, 1280×720, 1024×768, 800×600; Minor stream: 720×576, 720×480, 640×480, 352×288, 352×240	Major stream: 1920×1080, 1280×1024, 1280×960, 1280×720, 1024×768, 800×600; Minor stream: 720×576, 720×480, 640×480, 352×288, 352×240	Major stream: 1280×720, 1024×768, 800×600; Minor stream: 720×576, 720×480, 640×480, 352×288, 352×240	Major stream: 1920×1080, 1280×1024, 1280×960, 1280×720, 1024×768, 800×600; Minor stream: 720×576, 720×480, 640×480, 352×288, 352×240	Major stream: 1280×720, 1024×768, 800×600; Minor stream: 720×576, 720×480, 640×480, 352×288, 352×240	Major stream: 1280×720, 1024×768, 800×600; Minor stream: 720×576, 720×480, 640×480, 352×288, 352×240
Frame Rate (Maximum)	30fps@1920×1080	30fps@1920×1080	30fps@1280×720	30fps@1920×1080	30fps@1280×720	30fps@1280×720
Sensitivity	Color mode: 0.05 lux@F1.2 (30IRE, AGC ON); B/W mode: 0 lux@F1.2 (IR ON)	Color mode: 0.05 lux@F1.2 (30IRE, AGC ON); B/W mode: 0.01 lux@F1.2 (30IRE, AGC ON)	Color mode: 0.05 lux@F1.2 (30IRE, AGC ON); B/W mode: 0.01 lux@F1.2 (30IRE, AGC ON)	Color mode: 0.05 lux@F1.2 (30IRE, AGC ON); B/W mode: 0.01 lux@F1.2 (30IRE, AGC ON)	Color mode: 0.05 lux@F1.2 (30IRE, AGC ON); B/W mode: 0.01 lux@F1.2 (30IRE, AGC ON)	Color mode: 0.5 lux@F1.4 (30IRE, AGC ON); B/W mode: 0.1 lux@F1.4 (30IRE, AGC ON)
Day/Night Functionality	ICR	ICR	ICR	ICR	ICR	ICR
IR Illumination Distance	20m	-	-	-	-	-
Lens	Motorized zoom lens, F1.2, f=3.0-9.0mm	Motorized zoom lens, F1.2, f=3.0-9.0mm	Motorized zoom lens, F1.2, f=3.0-9.0mm	F1.2, f=3.0-9.0mm	F1.2, f=3.0-9.0mm	F1.4, f=2.8-12mm
White Balance	Auto/Manual/Incandescent light/Cool white fluorescent light/Sun light/Cloudy/Natrium light	Auto/Manual/Incandescent light/Cool white fluorescent light/Sun light/Cloudy/ Natrium light	Auto/Manual/Incandescent light/Cool white fluorescent light/Sun light/Cloudy/ Natrium light	Auto/Manual/Incandescent light/Cool white fluorescent light/Sun light/Cloudy/Natrium light	Auto/Manual/Incandescent light/Cool white fluorescent light/Sun light/Cloudy/Natrium light	Auto/Manual/Incandescent light/ Cool white fluorescent light/Sun light/Cloudy/Natrium light
Electronic Shutter	Auto/Manual (1/25s~1/8000s)	Auto/Manual (1/25s~1/8000s)	Auto/Manual (1/25s~1/8000s)	Auto/Manual (1/25s~1/8000s)	Auto/Manual (1/25s~1/8000s)	Auto/Manual (1/25s~1/8000s)
Audio	Bi-directional, G.711	Bi-directional, G.711	Bi-directional, G.711	Bi-directional, G.711	Bi-directional, G.711	Bi-directional, G.711
Alarm	2 inputs, 1 output	2 inputs, 1 output	2 inputs, 1 output	2 inputs, 1 output	2 inputs, 1 output	1 input, 1 output
Privacy Mask	Available	Available	Available	Available	Available	Available
Motion Detection	Available	Available	Available	Available	Available	Available
Password Protection	Available	Available	Available	Available	Available	Available
Upgrade Online	Available	Available	Available	Available	Available	Available
Network Protocols	IPv4, TCP, UDP, IGMP, DHCP, FTP, SNMP (V3), SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TLS, SSL, 802.1X, QoS, PPPoE, DNS, ARP, ICMP	IPv4, TCP, UDP, IGMP, DHCP, FTP, SNMP (V3), SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TLS, SSL, 802.1X, QoS, PPPoE, DNS, ARP, ICMP	IPv4, TCP, UDP, IGMP, DHCP, FTP, SNMP (V3), SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TLS, SSL, 802.1X, QoS, PPPoE, DNS, ARP, ICMP	IPv4, TCP, UDP, IGMP, DHCP, FTP, SNMP (V3), SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TLS, SSL, 802.1X, QoS, PPPoE, DNS, ARP, ICMP	IPv4, TCP, UDP, IGMP, DHCP, FTP, SNMP (V3), SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TLS, SSL, 802.1X, QoS, PPPoE, DNS, ARP, ICMP	IPv4, TCP, UDP, IGMP, DHCP, FTP, SNMP (V3), SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TLS, SSL, 802.1X, QoS, PPPoE, DNS, ARP, ICMP
Power Supply	PoE IEEE 802.3af Class 3/12VDC/24VAC	PoE IEEE 802.3af Class 2/12VDC/24VAC	PoE IEEE 802.3af Class 2/12VDC/24VAC	PoE IEEE 802.3af Class 2/12VDC/24VAC	PoE IEEE 802.3af Class 2/12VDC/24VAC	PoE IEEE 802.3af Class 2
Power Consumption	<9W	<5W	<5W	<4W	<4W	<3W
Environmental	14°F~122°F (-10°C~50°C)	14°F~122°F (-10°C~50°C)	14°F~122°F (-10°C~50°C)	14°F~122°F (-10°C~50°C)	14°F~122°F (-10°C~50°C)	14°F~122°F (-10°C~50°C)
Others	IR LED, 850nm, ONVIF-compliant	ONVIF-compliant	ONVIF-compliant	ONVIF-compliant	ONVIF-compliant	ONVIF-compliant

PTZ Dome Cameras

	HD IP PTZ Domes				SD IP PTZ Domes		
Model	V1772N-18TH	V1772N-20TH	V1772N-30TH	V1772N-30TS	V1723N-NE2/V1743N-NE2	V1727N-NE2/V1747N-NE2	V1728N-NE2/V1748N-NE2
Product Picture							
Optical/Digital Zoom	18X optical	20X optical	30X optical	30X optical	36X optical and 12X digital	23X optical and 12X digital	28X optical and 12X digital
Image Sensor	1/3" progressive scan CCD	1/2.8" progressive scan CMOS	1/3" progressive scan CCD	1/2.8" progressive scan CMOS	1/4" Progressive Scan CCD	1/4" Progressive Scan CCD	1/4" Interlace Scan CCD
Maximum Resolution	1280×720@30fps	1920×1080@30fps	1280×720@30fps	1920×1080@30fps	4CIF@H.264/M-JPEG	4CIF@H.264/M-JPEG	4CIF@H.264/M-JPEG
Sensitivity	Color mode: 0.8 lux (1/30s, F1.6, 50%, AGC-Gain: 34dB); 0.1 lux (1/4s, F1.6,50%,AGC-Gain: 34dB) B/W mode: 0.01 lux (1/4s, F1.6, 50%, AGC-Gain: 34dB)	Color mode: 0.8 lux@F1.6 (50IRE); B/W mode: 0.02 lux@F1.6 (50IRE)	Color mode: 0.5 lux (1/30s, F1.4 (wide), 50%, AGC-Gain: 35dB); 0.1 lux (1/4s, F1.4 (wide), 50%, AGC-Gain: 35dB); B/W mode: 0.005 lux (1/4s, F1.4 (wide), 50%, AGC-Gain: 35dB)	Color mode: 0.5 lux (1/30s, 50%, high sense - on); 0.08 lux (NTSC: 1/4s, PAL: 1/3s, 50%, high sense - on); B/W mode: 0.095 lux (1/30s, 50%, high sense - on); 0.005 lux (NTSC: 1/4s, PAL: 1/3s, 50%, high sense-on)	Color mode: 0.66 lux@F1.6 (30IRE. PAL: 1/50s, NTSC: 1/60s); 0.01 lux@F1.6 (30IRE, PAL: 1/3s, NTSC: 1/4s); B/W Mode: 0.01 lux@F1.6 (30IRE, PAL: 1/3s, NTSC: 1/4s)	Color mode: 0.02 lux@F1.6 (30IRE. AGC max. PAL: 1/50s, NTSC: 1/60s); 0.01 lux@F1.6 (30IRE. AGC max. PAL: 1/3s, NTSC: 1/4s); B/W Mode: 0.01 lux@F1.6 (30IRE. AGC max. PAL: 1/50s,NTSC:1/60s); 0.01 lux@F1.6 (30IRE.AGC max.PAL:1/3s, NTSC:1/4s)	Color mode:0.56 lux@F1.35 (50IRE) (Typical); 0.09 lux(NTSC:1/4s, PAL:1/3s) (Typical) B/W Mode: 0.02 lux (NTSC: 1/4s, PAL: 1/3s)
Horizontal Resolution	-	-	-	-	550TVL	540TVL	550TVL
Day/Night	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio	G.711, 1 input, 1 output	G.711, 1 input, 1 output	G.711, 1 input, 1 output	G.711, 1 input, 1 output	Optional (two-way, G.711)	Optional (two-way, G.711)	Optional (two-way, G.711)
Alarm	2 inputs, 1 output	2 inputs, 1 output	2 inputs, 1 output	2 inputs, 1 output	Optional (2 inputs, 2 inputs)	Optional (2 inputs, 2 inputs)	Optional (2 inputs, 2 inputs)
Privacy Mask	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Image Mirror	Off/H-mirror	Off/H-mirror/V-mirror/HV-mirror	Off/H-mirror/V-mirror/HV-mirror	Off/H-mirror/V-mirror/HV-mirror	Yes	Yes	Yes
Image Freeze	-	Yes	Yes	Yes	Yes	Yes	Yes
WDR	ON/OFF	OFF/WDR/AD WDR/ WDR*/AD WDR*	WDR/AD WDR	ON/OFF/AUTO	OFF/DVER COMP/EXP RATIONAUTO	OFF/WDR/AD WDR/WDR*/AD WDR*	-
Backlight Compensation	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF
FNR	-	OFF/MANU/AUTO (1~3 levels adjustable)	OFF/MANU/AUTO (1~3 levels adjustable)	OFF/1~5 levels adjustable	ON/OFF	OFF/MANU/AUTO	ON/OFF
White Balance	AUTO/MANU/MERC/SODI	AUTO/MANU/MERC/SODI	AUTO/MANU/MERC/SODI	AUTO/MANU/INDOOR/OUTDOOR/ ATW/OUTDOOR AUTO/SODI	AUTO/MANU/INDOOR/OUTDOOR/ OUTDOOR AUTO/SODI/ATW	AUTO/MANU/MERCU/SODI	AUTO/MANU/INDOOR/OUTDOOR/ OUTDOOR AUTO/SODI/ATW
Stabilization	-	-	Yes	-	Yes	-	Yes
DSS	-	Yes	Yes	Yes	Yes	Yes	Yes
Speed	Manual Pan Speed: 0.1°~250°/s; Manual Tilt Speed: 0.1°~90°/s; Maximum Preset Speed: 300°/s;				Manual Pan Speed: 0.08°~200°/s; Manual Tilt Speed: 0.2°~100°/s; Maximum Preset Speed: 400°/s;		
Power Supply	24VAC/24VDC self-adaptive				12VDC or 24VAC	12VDC or 24VAC	12VDC or 24VAC
Operating Temperature	Indoor: -4°F~+122°F (-20°C~+50°C); Outdoor: -40°F~+122°F (-40°C~+50°C)				Indoor: -4°F~122°F (-20°C~+50°C) Outdoor: -40°F~140°F (-40°C~+60°C)	Indoor: -4°F~122°F (-20°C~+50°C) Outdoor: -40°F~140°F (-40°C~+60°C)	Indoor: -4°F~122°F (-20°C~+50°C) Outdoor: -40°F~140°F (-40°C~+60°C)
Others	IP66 rating, IK10, ONVIF-compliant				IP66 rating, ONVIF-compliant	IP66 rating, ONVIF-compliant	IP66 rating, ONVIF-compliant

Integrated PTZ Camera System

	HD 2MP Integrated High-speed IP PTZ Camera System		HD 1MP Integrated High-speed IP PTZ Camera System		HD 2MP Integrated IP PTZ Camera with IR Illuminator	HD 1MP Integrated IP PTZ Camera with IR Illuminator	Integrated High-speed IP PTZ Camera System
Model	V1492MP-20TH	V1492MP-30TS	V1492MP-18TH	V1492MP-30TH	V1492MR-20GH	V1492MR-18GH	V1492N-36N
Product Picture							
Optical/Digital Zoom	20X optical	30X optical	18X optical	30X optical	20X optical	18X optical	36X optical and 12X digital
Aperture/Focal Length	F1.6~F3.5, f=4.7~94mm	F1.6~F4.7, f= 4.3~129mm	F1.6~F2.8, f=4.7~84.6mm	F1.4~F4.6, f=4.4~132.0mm	F1.6~F3.5, f=4.7~94mm	F1.6~F2.8, f=4.7~84.6mm	F1.6~F 4.5, f=3.4~122.4mm
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/3" CCD	1/3" CCD	1/2.8" CMOS	1/3" CCD	1/4" Progressive scanning CCD
True Day/Night	Available	Available	Available	Available	Available	Available	Available
Sensitivity	Color mode: 0.8 lux@F1.6 (50IRE) B/W mode: 0.02 lux@F1.6 (50IRE)	Color mode: 0.5 lux (1/30s, 50%, high sensitivity mode on) 0.08 lux (1/4s, 1/3s,50%, high sensitivity mode on) B/W mode: 0.095 lux (1/30s, 50%, high sensitivity mode on) 0.005 lux (1/4s, 1/3s, 30%, high sensitivity mode on)	Color mode (1/30s): 0.8 lux (1/30s, F1.6 (wide), 50%, AGC-Gain: 34dB) 0.1 lux (1/4s, F1.6 (wide), 50%, AGC-Gain: 34dB) B/W mode (1/4s): 0.01 lux (1/4s, F1.6 (wide), 50%, AGC-Gain: 34dB)	Color mode: 0.5 lux (1/30s, F1.4 (wide), 50%, AGC-Gain: 35dB) 0.1 lux (1/4s, F1.4 (wide), 50%, AGC-Gain:35dB) B/W mode:0.005 lux (1/4s, F1.4 (wide), 50%, AGC-Gain: 35dB)	Color Mode: 0.5 lux@F1.6 (50IRE) B/W Mode: 0 lux (IR on)	Color Mode (1/30s): 1.8 lux@F1.6 (50IRE) B/W Mode: 0 lux (IR on)	Color mode: 0.66 lux@F1.6 (30 IRE, PAL: 1/50s, NTSC: 1/60s) 0.01 lux@F1.6 (30 IRE, PAL: 1/3s, NTSC: 1/4s) B/W mode: 0.01 lux@F1.6 (30 IRE, PAL: 1/3s, NTSC: 1/4s)
Video Compression (with multi-streaming)	H.264 High profile/M-JPEG	H.264 High profile/M-JPEG	H.264 High profile/M-JPEG	H.264 High profile/M-JPEG	H.264 High profile/M-JPEG	H.264 High profile/M-JPEG	H.264/M-JPEG
Maximum Resolution	1920×1080@30fps	1920×1080@30fps	1280×720@30fps	1280×720@30fps	1920×1080@25fps (50Hz)/30fps(60Hz)	1280×720@25fps (50Hz)/30fps(60Hz)	4CIF@H.264/M-JPEG
Maximum Frame Rate	30fps@1920×1080	30fps@1920×1080	30fps@1280×720	30fps@1280×720	NTSC: 30fps; PAL: 25fps	NTSC: 30fps; PAL: 25fps	NTSC: 30fps; PAL: 25fps
Audio	Two-way, G.711	Two-way, G.711	Two-way, G.711	Two-way, G.711	Two-way, G.711	Two-way, G.711	Two-way, G.711
Alarm	2 inputs, 1 output	2 inputs, 1 output	2 inputs, 1 output	2 inputs, 1 output	2 inputs, 1 output	2 inputs, 1 output	2 inputs, 1 output
WDR	OFF/WDR/WDR*/AD WDR/AD WDR*	ON/OFF/AUTO	ON/OFF	WDR*/AD WDR*	OFF/WDR/AD WDR/WDR*/AD WDR*	ON/OFF	ON/OFF
BLC	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF
EIS	-	Available	-	Available	-	-	-
DSS	Available	Available	-	Available	Available	-	Available
White Balance	AUTO/MANU/SODI/MERC	AUTO/MANU/INDOOR/OUTDOOR/ATW/OUTDOOR AUTO/SODI AUTO	AUTO/MANU/SODI/MERC	AUTO/MANU/SODI/MERC	Auto/Manu/Sodium/Mercury	Auto/Manu/Sodium/Mercury	AUTO/MANU/ATW/INDOOR/OUTDOOR
Presets	1~255	1~255	1~255	1~255	1~255	1~255	254
Patterns	4	4	4	4	4	4	4
AutoPans	4	4	4	4	4	4	4
Tours	6	6	6	6	6	6	6
Auto Scan	Available	Available	Available	Available	Available	Available	Available
Privacy Mask	4 areas	24 areas	4 areas	4 areas	4 areas	4 areas	24 areas
Motion Detection	4 areas	4 areas	4 areas	4 areas	4 areas	4 areas	4 areas
Network Protocols	IPv4, TCP, UDP, IGMP, DHCP, FTP, SNMP (V3), SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, 802.1X, QoS, PPPoE, DNS, ARP, ICMP	IPv4, TCP, UDP, IGMP, DHCP, FTP, SNMP (V3), SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, 802.1X, QoS, PPPoE, DNS, ARP, ICMP	IPv4, TCP, UDP, IGMP, DHCP, FTP, SNMP (V3), SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, 802.1X, QoS, PPPoE, DNS, ARP, ICMP	IPv4, TCP, UDP, IGMP, DHCP, FTP, SNMP (V3), SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, 802.1X, QoS, PPPoE, DNS, ARP, ICMP	TCP/IP, HTTP, ICMP, UDP, SMTP, RTP, RTSP, SNMP, ARP	TCP/IP, HTTP, ICMP, UDP, SMTP, RTP, RTSP, SNMP, ARP	TCP/IP, HTTP, ICMP, IGMP, UDP, SMTP, RTP, RTSP, SNMP, ARP
Pan/Tilt	Pan: 360°; Tilt: +40°~-80°	Pan: 360°; Tilt: +40°~-80°	Pan: 360°; Tilt: +40°~-80°	Pan: 360°; Tilt: +40°~-80°	Pan: 360°; Tilt: +40°~-80°	Pan: 360°; Tilt: +40°~-80°	Pan: 360°; Tilt: +40°~-90°
Preset Speed	60°/s (max.)	60°/s (max.)	60°/s (max.)	60°/s (max.)	60°/s (max.)	60°/s (max.)	Pan: 100°/s (max.); Tilt: 30°/s (max.)
Manual Speed	Pan: 0.1°~30°/s; Tilt: 0.1°~20°/s	Pan: 0.1°~30°/s; Tilt: 0.1°~20°/s	Pan: 0.1°~30°/s; Tilt: 0.1°~20°/s	Pan: 0.1°~30°/s; Tilt: 0.1°~20°/s	Pan: 0.1°~30°/s; Tilt: 0.1°~20°/s	Pan: 0.1°~30°/s; Tilt: 0.1°~20°/s	Pan: 0.1°/s~50°/s; Tilt: 0.1°/s~25°/s
Power Supply	24VDC	24VDC	24VDC	24VDC	24VDC	24VDC	24VDC/24VAC
Environmental	Outdoor: -40°F~140°F (-40°C~+60°C), IP66	Outdoor: -40°F~140°F (-40°C~+60°C), IP66	Outdoor: -40°F~140°F (-40°C~+60°C), IP66	Outdoor: -40°F~140°F (-40°C~+60°C), IP66	Outdoor: -40°F~140°F (-40°C~+60°C), IP66	Outdoor: -40°F~140°F (-40°C~+60°C), IP66	Outdoor: -40°F~140°F (-40°C~+60°C), IP66
Others	ONVIF-compliant	ONVIF-compliant	ONVIF-compliant	ONVIF-compliant	ONVIF-compliant, IR LED (850nm)	ONVIF-compliant, IR LED (850nm)	ONVIF-compliant

Video Encoders and Decoders

	Video Encoder		Video Decoder	
Model	V2511-K	2521-N	2524-X	
Product Picture				
Video Compression Format	H.264/M-JPEG	H.264/MPEG-4	H.264	
Three Video Streams	Available	-	-	
Optional Resolutions	Major Stream: 4CIF/2CIF/CIF Minor Stream: CIF/QCIF	D1/4CIF/2CIF/CIF	1080P/1600×1200/960P/720P (1-ch), D1/CIF (4 or 9-ch) or CIF (16-ch)	
Frame Rate (maximum)	NTSC: 30fps; PAL: 25fps	NTSC: 30fps; PAL: 25fps	NTSC: 30fps; PAL: 25fps	
Motion Detection	Available	-	-	
Privacy Mask	Available	-	-	
Audio Decoding and Encoding Standard	G.711	G.711	G.711	
Alarm	4 inputs, 2 outputs	-	-	
Upgrade Online	Available	Available	Available	
Password Protection	Available	Available	Available	
Network Protocols	TCP/IP, HTTP, ICMP, DHCP, UDP, SMTP, RTP, RTSP, SNMP, ARP, etc.	TCP/IP, HTTP, SNMP, UDP, NTP, etc.	TCP/IP, HTTP, SNMP, UDP, RTP, NTP, etc.	
Power Supply	Standalone module:12VDC/24VAC/PoE Rack-style: 110VAC~230VAC	Standalone module:12VDC/24VAC/PoE Rack-style: 110VAC~230VAC	Standalone module: 12VDC/24VAC Rack-style: 110VAC~240VAC	
Power Consumption	≤6W (Single Card)	PoE: <6.2W; 12VDC: <5.2W; 24VAC: <5W (Single Card)	≤9W (Single Card)	
Operating Temperature	14°F~122°F (-10°C~50°C)	14°F~122°F (-10°C~50°C)	14°F~122°F (-10°C~50°C)	
Others	-	-	ONVIF-compliant	

Network Video Management Software

	Network Video Management Software	
Model	V2216 Professional	V2216 Enterprise
Product Picture		
Applicability	Medium Monitoring Application	Any Monitoring Application
Maximum Video	128	9999
Module		
Central Management Server (CMS)	Yes	Yes
Network Configuration Tool (NCT)	Yes	Yes
Stream Media Translation (SMT)	Yes	Yes
Network Video Recorder (NVR)	Yes	Yes
Live Monitor Client (LMC)	Yes	Yes
Alarm Center Server (ACS)	Yes	Yes
MultCast Player (MCP)	Yes	Yes
Intelligent Video Server (IVS)	Yes	Yes
Video Viewing and Playback		
MPEG-4 Compression	Yes	Yes
H.264 Compression	Yes	Yes
Viewing and Playback Manner	Web Client/Remote Client	Web Client/Remote Client
PTZ Operation	Yes	Yes
Two-way Audio	Yes	Yes
Max Video Viewing Window	64	64
Max Video Playback Window	16	16
Recoding		
Pre-event Recording	Yes	Yes
Post-event Recording	Yes	Yes
Export as AVI	Yes	Yes
Alarm		
Motion Detection	Yes	Yes
Front Device Relay Alarm	Yes	Yes
Network Matrix Alarm	Yes	Yes
Alarm to Trigger Recording	Yes	Yes
Alarm to Trigger Relay Output	Yes	Yes
Alarm to Trigger Digital Switching	Yes	Yes
Alarm to Trigger Tour/Salvo Switching	Yes	Yes
Other		
Virtual Matrix	Yes	Yes
CCTV Matrix Compatible	Yes	Yes
Installation by Module	Yes	Yes
Virtual Matrix Operation	Yes	Yes
Physical Keyboard Operation	Yes	Yes
USB-Key Encryption	Yes	Yes

Analog Product Family



Fixed Cameras

	Mini High-resolution WDR Cameras	Mini High-resolution Cameras		High-resolution Cameras		Fixed Cameras	
	Day/Night, WDR	Electronic Day/Night	Day/Night	Electronic Day/Night	Day/Night	Electronic Day/Night	Day/Night
Model	V5134-A7	V5131-A7	V5132-A7	V5121-A7	V5122-A7	V5111-A2	V5112-A2
Product Picture							
Image Sensor	1/3" SONY Super HAD II CCD	1/3" SONY Exview HAD II CCD	1/3" SONY Exview HAD II CCD	1/3" SONY Exview HAD II CCD	1/3" SONY Exview HAD II CCD	1/3" SONY HAD CCD	1/3" SONY HAD CCD
Effective Pixels (H×V)	NTSC: 976×494, 480K; PAL: 976×582, 570K	NTSC: 976×494, 480K; PAL: 976×582, 570K	NTSC: 976×494, 480K; PAL: 976×582, 570K	NTSC: 976×494, 480K; PAL: 976×582, 570K	NTSC: 976×494, 480K; PAL: 976×582, 570K	NTSC: 768×494; PAL: 752×582	NTSC: 768×494; PAL: 752×582
Resolution	700TVL	700TVL	700TVL	700TVL	700TVL	480TVL	480TVL
Sensitivity	Color mode: 0.01 lux@ (F1.2, AGC ON); B/W mode: 0.001 lux@ (F1.2, AGC ON)	0.1 lux@F1.2 (50IRE, AGC HIGH)	Color mode: 0.1 lux@F1.2 (50IRE, AGC HIGH); B/W mode: 0.005 lux@F1.2 (50IRE, AGC HIGH)	0.1 lux@F1.2 (50IRE, AGC HIGH)	Color mode: 0.1 lux@F1.2 (50IRE, AGC HIGH); B/W mode: 0.005 lux@F1.2 (50IRE, AGC HIGH)	Color mode: 0.5 lux@F1.2 (30 IRE, AGC ON) B/W mode: 0.3 lux@F1.2 (30 IRE, AGC ON)	Color mode: 0.5 lux@F1.2 (30 IRE, AGC ON); B/W mode: 0.02 lux@F1.2 (30 IRE, AGC ON)
Day/Night Functionality	ICR	Electronic Day/Night	ICR	Electronic Day/Night	ICR	Electronic Day/Night	ICR
S/N Ratio	>65dB	>54dB (AGC OFF)	>54dB (AGC OFF)	>54dB (AGC OFF)	>54dB (AGC OFF)	>48dB (AGC OFF)	>48dB (AGC OFF)
Auto Iris	DC/VIDEO Drive	DC/VIDEO Drive	DC/VIDEO Drive	DC/VIDEO Drive	DC/VIDEO Drive	DC/VIDEO Drive	DC/VIDEO Drive
Lens Mount	C/CS Mount	C/CS Mount	C/CS Mount	C/CS Mount	C/CS Mount	C/CS Mount	C/CS Mount
White Balance	AWB/ATW/USER 1/USER 2/ANTI-CR/ MANUAL/PUSH LOCK	ATW/PUSH/USER 1/USER 2/ANTI-CR/ MANUAL/ PUSH LOCK	ATW/PUSH/USER1/USER 2/ANTI-CR/ MANUAL/ PUSH LOCK	ATW/MANUAL/INDOOR/OUTDOOR/ FLUORES/ PUSHLOCK	ATW/ MANUAL/INDOOR/OUTDOOR/ FLUORES/ PUSHLOCK	ATW/MWB	ATW/MWB
Color Temperature Range	1800K~10500K	1800K~10500K	1800K~10500K	1800K~10500K	1800K~10500K	2400K~8000K	2400K~8000K
Electronic Shutter	AUTO; MANU: NTSC: 1/60~1/100,000s, PAL: 1/50~1/100,000s	AUTO; MANU: NTSC: 1/60~1/100,000s, PAL: 1/50~1/100,000s	AUTO; MANU: NTSC: 1/60~1/100,000s, PAL: 1/50~1/100,000s	Auto; Manual: NTSC: 1/60~1/100,000s, PAL: 1/50~1/100,000s	Auto; Manual: NTSC: 1/60~1/100,000s, PAL: 1/50~1/100,000s	ON/OFF, NTSC: 1/60~1/100,000s, PAL: 1/50~1/100,000s	ON/OFF, NTSC: 1/60~1/100,000s, PAL: 1/50~1/100,000s
Backlight Compensation	ON/OFF	HLC/BLC/OFF	HLC/BLC/OFF	HLC/BLC/OFF	HLC/BLC/OFF	ON/OFF	ON/OFF
Flickerless Mode	ON/OFF	-	-	ON/OFF	ON/OFF	ON/OFF, NTSC: 1/100s, PAL: 1/120s	ON/OFF, NTSC: 1/100s, PAL: 1/120s
Digital Slow Shutter	X512	-	-	-	-	-	-
Digital Noise Reduction	3D/2D	2D	2D	2D	2D	-	-
Sync. System	Internal/Line Lock	Internal/Line Lock	Internal/Line Lock	Internal/Line Lock	Internal/Line Lock	Internal/Line Lock	Internal/Line Lock
OSD	Available	Available	Available	Available	Available	-	-
Privacy Mask	Available	Available	Available	Available	Available	-	-
Motion Detection	Available	Available	Available	Available	Available	-	-
RS485 Remote Control	Protocols: INFINOVA, PELCO-P/D Baud Rate: 2400/4800/9600bps	-	-	Protocols: PELCO-P/D, INFINOVA; Baud Rate: 2400/4800/9600bps	Protocols: PELCO-P/D, INFINOVA; Baud Rate: 2400/4800/9600bps	-	-
Power Supply	12VDC/24VAC	12VDC/24VAC	12VDC/24VAC	12VDC/24VAC	12VDC/24VAC	12VDC/24VAC	12VDC/24VAC
Power Consumption	4W (maximum)	4W (maximum)	4W (maximum)	4W (maximum)	4W (maximum)	4W (maximum)	5W (maximum)
Environmental	14°F~122°F (-10°C~50°C)	14°F~122°F (-10°C~50°C)	14°F~122°F (-10°C~50°C)	14°F~122°F (-10°C~50°C)	14°F~122°F (-10°C~50°C)	14°F~122°F (-10°C~50°C)	14°F~122°F (-10°C~50°C)

Fixed Minidome Cameras

	Vandal Resistant IR MinidomeCameras	Vandal Resistant Fixed Minidome Cameras		Fixed Minidome Cameras		
	Day/Night, IR, Indoor	Electronic Day/Night, High-resolution, Indoor	Day/Night, High-resolution, Indoor	Day/Night, High-resolution , Indoor	Color, Indoor	Color, Indoor
Model	V5822IR-A3	V5821-A7	V5822-A7	V5412-A7	V5411-A2	V5410-A2
Product Picture						
Image Sensor	1/3" SONY Super HAD II CCD	1/3" SONY Exview HAD II CCD	1/3" SONY Exview HAD II CCD	1/3" SONY Exview HAD II CCD	1/3" SONY HAD CCD	1/3" SONY HAD CCD
Effective Pixels (H×V)	NTSC: 768×494, 380K; PAL: 752×582, 440K	NTSC: 976× 494, 480K; PAL: 976× 582, 570K	NTSC: 976× 494, 480K; PAL: 976× 582, 570K	NTSC: 976×494, 480K; PAL: 976×582, 570K	NTSC: 768×494; PAL: 752×582	752×582
Resolution	520TVL	700TVL	700TVL	700TVL	480TVL	480TVL
Lens	F1.4, f=3.3~12 mm	F1.2, f=2.5~6 mm or F1.4, f=3.3~12 mm	F1.2, f=2.5~6 mm or F1.4, f=3.3~12 mm	F1.2, f=2.5~6 mm or F1.4, f=3.3~12 mm	Fixed: F2.0, f=2.8mm, 3.6 mm, 6mm or 8mm; Vari-Focal: F1.2, f=2.5~6 mm	F1.4, f=4.0~9.0 mm
Sensitivity	Color mode: 0.2 lux@F1.2 (30 IRE, AGC HIGH); B/W mode: 0 lux (IR ON)	0.1 lux@F1.2 (50IRE, AGC HIGH)	Color mode: 0.1 lux@F1.2 (50IRE, AGC HIGH); B/W mode: 0.005 lux@F1.2 (50IRE, AGC HIGH)	Color mode: 0.01 lux@F1.2 (50 IRE, AGC HIGH); B/W mode: 0.001 lux@F1.2 (50 IRE, AGC HIGH)	0.3 lux@F1.2 (30IRE, AGC ON)	0.5 lux@F1.4 (50IRE, AGC ON); 0.2 lux@F1.4 (30IRE, AGC ON)
Day/Night Functionality	ICR	Electronic Day/Night	ICR	ICR	-	-
IR Illumination Distance	25m	-	-	-	-	-
S/N Ratio	>48 dB (AGC OFF), Black burst	>54dB (AGC OFF)	>54dB (AGC OFF)	>54dB (AGC OFF)	>48dB (AGC OFF)	>48dB (AGC OFF)
Electronic Shutter	OFF: NTSC: 1/60s, PAL: 1/50s ON: NTSC: 1/60~1/100,000s, PAL: 1/50~1/100,000s	Auto; Manual: NTSC: 1/60~1/100,000s, PAL: 1/50~1/100,000s	Auto; Manual: NTSC: 1/60~1/100,000s, PAL: 1/50~1/100,000s	Auto; Manual: NTSC: 1/60~1/100,000s, PAL: 1/50~1/100,000s	ON/OFF, NTSC: 1/60~1/100,000s, PAL: 1/50~1/100,000s	ON/OFF, 1/50~1/100,000s
Gamma Correction	0.45	0.45	0.45	0.45	0.45	0.45
Flickerless Mode	-	ON/OFF	ON/OFF	-	ON/OFF, NTSC: 1/100s, PAL: 1/120s	ON/OFF, 1/120s
Backlight Compensation	ON/OFF	HLC/BLC/OFF	HLC/BLC/OFF	HLC/BLC/OFF	ON/OFF	ON/OFF
Auto Gain Control	HIGH/LOW	HIGH/MEDIUM-H/MEDIUM-M/MEDIUM-L/ LOW-H/LOW-M/ LOW-L/OFF	HIGH/ MEDIUM-H/MEDIUM-M/ MEDIUM-L/LOW-H/LOW-M/ LOW-L/OFF	0~42dB (8-level adjustable)	ON/OFF	ON/OFF
White Balance	AUTO	ATW/MANUAL/INDOOR/OUTDOOR/ FLUORES/ PUSHLOCK	ATW/ MANUAL/INDOOR/OUTDOOR/ FLUORES/ PUSHLOCK	ATW/PUSH/USER 1/USER 2/ANTI-CR/ MANUAL/ PUSH LOCK	ATW	ATW
Color Temperature Range	2400K~9600K	1800K~10500K	1800K~10500K	1800K~10500K	2400K~8000K	2400K~8000K
Sync. System	Internal	Internal/Line Lock	Internal/Line Lock	Internal/Line Lock	Internal	Internal
OSD	-	Available	Available	Available	-	-
Privacy Mask	-	Available	Available	Available	-	-
Motion Detection	-	Available	Available	Available	-	-
Power Supply	12VDC/24VAC	12VDC/24VAC	12VDC/24VAC	12VDC/24VAC	12VDC/24VAC	12VDC/24VAC
Power Consumption	12VDC: 4.5W; 24VAC: 5W	3W (maximum)	3W (maximum)	4W (maximum)	12VDC: 3W; 24VAC: 4W	12VDC: 3W; 24VAC: 4W
Environmental	14°F~122°F (-10°C~50°C)	14°F~122°F (-10°C~50°C)	14°F~122°F (-10°C~50°C)	14°F~122°F (-10°C~50°C)	14°F~122°F (-10°C~50°C)	14°F~122°F (-10°C~50°C)
Others	IR LED, 850nm, 3-axis Adjustment	DNR, Alarm, 3-axis Adjustment	DNR, Alarm, 3-axis Adjustment	2-axis Adjustment	2-axis Adjustment	2-axis Adjustment

Integrated PTZ Camera System

	Integrated High-speed IP PTZ Camera System		Integrated High-Speed PTZ Camera System with IR Illuminator	
Model	V1492-23A	V1492-36A	V1492IR-23A	V1492IR-36A
Product Picture				
Image Sensor	1/4" Progressive scanning CCD	1/4" Progressive scanning CCD	1/4" Progressive scanning CCD	1/4" Progressive scanning CCD
Optical/Digital Zoom	23X optical and 12X digital	36X optical and 12X digital	23X optical and 12X digital	36X optical and 12X digital
Scanning System	2:1 Interlace Scanning	2:1 Interlace Scanning	2:1 Interlace Scanning	2:1 Interlace Scanning
Effective Pixels (H x V)	PAL/440K: 752×582; NTSC/380K: 768×494	PAL/440K: 752×582; NTSC/380K: 768×494	PAL/440K: 752×582; NTSC/380K: 768×494	PAL/440K: 752×582; NTSC/380K: 768×494
Horizontal Resolution	540TVL	550TVL	540TVL	550TVL
Aperture/Focal Length	F1.6~F3.7; f=3.6~82.8mm	F1.6- F4.5; f=3.4~122.4mm	F1.6~F3.7; f=3.6~82.8mm	F1.6- F4.5; f=3.4~122.4mm
Angle of View	54° (Wide)/2.5° (Tele)	57.8° (Wide)/1.7° (Tele)	54° (Wide)/2.5° (Tele)	57.8° (Wide)/1.7° (Tele)
Minimum Work Distance	0.01m (Wide) ~ 1.0m (Tele)	0.32m (Wide) ~ 1.5m (Tele)	0.01m (Wide) ~ 1.0m (Tele)	0.32m (Wide) ~ 1.5m (Tele)
Sensitivity	Color Mode: 0.02 lux @F1.6 (30 IRE, AGC max. PAL: 1/50s, NTSC:1/60s) 0.01 lux @F1.6 (30 IRE, AGC max. PAL: 1/3s, NTSC:1/4s) B/W Mode: 0.01 lux @F1.6 (30 IRE, AGC max. PAL: 1/50s,NTSC:1/60s) 0.01 lux @F1.6 (30 IRE, AGC max. PAL:1/3s, NTSC:1/4s)	Color mode: 0.66 lux @F1.6 (30 IRE, PAL: 1/50s, NTSC: 1/60s) 0.01 lux @F1.6 (30 IRE, PAL: 1/3s, NTSC: 1/4s) B/W mode: 0.01 lux @F1.6 (30 IRE, PAL: 1/3s, NTSC: 1/4s)	Color Mode: 0.02 lux @F1.6 (30 IRE, AGC max. PAL: 1/50s, NTSC:1/60s) 0.01 lux @F1.6 (30 IRE, AGC max. PAL: 1/3s, NTSC:1/4s) B/W Mode: 0.01 lux @F1.6 (30 IRE, AGC max. PAL: 1/50s, NTSC:1/60s) 0.01 lux @F1.6 (30 IRE, AGC max. PAL: 1/3s, NTSC:1/4s)	Color mode: 0.66 lux @F1.6 (30 IRE, PAL: 1/50s, NTSC: 1/60s) 0.01 lux @F1.6 (30 IRE, PAL: 1/3s, NTSC: 1/4s) B/W mode: 0.01 lux @F1.6 (30 IRE, PAL: 1/3s, NTSC: 1/4s)
Day/Night Functionality	Yes	Yes	Yes	Yes
S/N Ratio	>50dB	>50dB	>50dB	>50dB
Video Output	1.0±0.2Vp-p	1.0±0.2Vp-p	1.0±0.2Vp-p	1.0±0.2Vp-p
Backlight Compensation	ON/OFF	ON/OFF	ON/OFF	ON/OFF
White Balance	AUTO/MANU/SODI/MERC	AUTO/MANU/ATW/INDOOR/OUTDOOR	AUTO/MANU/SODI/MERC	AUTO/MANU/ATW/INDOOR/OUTDOOR
DSS	Yes	Yes	Yes	Yes
Sync System	Internal/External	Internal/External	Internal/External	Internal/External
WDR	OFF/WDR/AD WDR/WDR*/AD WDR*	ON/OFF	OFF/WDR/AD WDR/WDR*/AD WDR*	ON/OFF
Iris	Auto/Manual/M/A	Auto/Manual/M/A	Auto/Manual/M/A	Auto/Manual/M/A
Shutter Speed	Auto: Default Manual: PAL: 1/1.5~1/30000s; NTSC: 1/2~1/30000s	Auto: Default Manual: PAL:1/1~1/10000s; NTSC:1/1~1/10000s	Auto: Default Manual: PAL: 1/1.5~1/30000s; NTSC: 1/2~1/30000s	Auto: Default Manual:PAL:1/1~1/10000s; NTSC:1/1~1/10000s
Programmable Presets	254	254	254	254
Programmable Tours	6	6	6	6
Programmable Patterns	4	4	4	4
Programmable Autopans	4	4	4	4
Auto Scan	Yes	Yes	Yes	Yes
Spherical Privacy Zones	4	24	4	24
Video Blanking Sectors	16	16	16	16
Preset Speed	Pan: 100°/s (maximum); Tilt: 30°/s (maximum)	Pan: 100°/s (maximum); Tilt: 30°/s (maximum)	Pan: 100°/s (maximum); Tilt: 30°/s (maximum)	Pan: 100°/s (maximum); Tilt: 30°/s (maximum)
Manual Speed	Pan: 0.1°/s~50°/s; Tilt: 0.1°/s~25°/s	Pan: 0.1°/s~50°/s ; Tilt: 0.1°/s~25°/s	Pan: 0.1°/s~50°/s; Tilt: 0.1°/s~18°/s	Pan: 0.1°/s~50°/s; Tilt: 0.1°/s~18°/s
Pan/Tilt Travel	360°/+40°~-90°	360°/+40°~-90°	360°/+40°~-90°	360°/+40°~-90°
Input Voltage and Power Consumption	24VAC: 53W; 24VDC: 46W; 110VAC: 56W; 230VAC: 59W	24VAC: 53W; 24VDC: 46W; 110VAC: 56W; 230VAC: 59W	24VAC/24VDC/110VAC/230VAC; 144W (maximum)	24VAC/24VDC/110VAC/230VAC; 144W (maximum)
Environmental	Outdoor: -40°F~140°F (-40°C~60°C), IP66	Outdoor: -40°F~140°F (-40°C~60°C), IP66	Outdoor: -40°F~140°F (-40°C~60°C), IP66	Outdoor: -40°F~140°F (-40°C~60°C), IP66
Others	-	-	IR LED, 850nm,	Stablization, IR LED, 850nm

PTZ Dome Cameras

	Mini PTZ Domes	SD PTZ Domes			Pressurized PTZ Domes	
Model	V1730A	V1728A E2/V1748A E2	V1727A E2/V1747A E2	V1723A E2/V1743A E2	V1757A	V1753A
Product Picture						
Optical/Digital Zoom	10X optical and 12X digital	28X optical and 12X digital	23X optical and 12X digital	36X optical and 12X digital	23X optical and 12X digital	36X optical and 12X digital
Image Sensor	Sony 1/4-type EXview HAD CCD	1/4" Interlace scan CCD	1/4" Interlace scan CCD	1/4" Progressive scan CCD	1/4" Progressive scan CCD	1/4" Progressive scan CCD
Sensitivity	1.0 lux (F1.8, NTSC: 1/60s, PAL: 1/50s) (typical value)	Color mode: 0.56 lux@F1.35 (50IRE) (Typical); 0.09 lux (NTSC: 1/4s, PAL:1/3s) (Typical) B/W Mode: 0.02 lux (NTSC: 1/4s, PAL:1/3s)	Color mode: 0.02 lux@F1.6 (30IRE, AGC max, PAL:1/50s, NTSC:1/60s); 0.01 lux@F1.6 (30IRE, AGC max, PAL:1/3s, NTSC:1/4s) B/W Mode: 0.01 lux@F1.6 (30IRE, AGC max, PAL:1/50s, NTSC:1/60s); 0.01 lux@F1.6 (30IRE, AGC max, PAL:1/3s, NTSC:1/4s)	Color mode: 0.66 lux@F1.6 (30IRE, PAL:1/50s, NTSC: 1/60s); 0.01 lux@F1.6 (30IRE, PAL:1/3s, NTSC: 1/4s) B/W Mode: 0.01 lux@F1.6 (30IRE, PAL:1/3s, NTSC: 1/4s)	Color mode: 0.02 lux@F1.6 (30IRE, AGC max, PAL:1/50s, NTSC: 1/60s); 0.01 lux@F1.6 (30IRE, AGC max, PAL:1/3s, NTSC: 1/4s) B/W Mode: 0.01 lux@F1.6 (30IRE, AGC max, PAL:1/50s, NTSC: 1/60s); 0.01 lux@F1.6 (30IRE, AGC max, PAL:1/3s, NTSC: 1/4s)	Color mode: 0.66 lux@F1.6 (30IRE, PAL:1/50s, NTSC:1/60s); 0.01 lux@F1.6 (30IRE, PAL:1/3s, NTSC:1/4s) B/W Mode: 0.01 lux@F1.6 (30IRE, PAL:1/3s, NTSC:1/4s)
Horizontal Resolution	530TVL	550TVL	540TVL	550TVL	540TVL	530TVL
Day/Night	Color	Yes	Yes	Yes	Yes	Yes
Alarm	2 inputs, 1 ouput	4 inputs, 2 outputs	4 inputs, 2 outputs	4 inputs, 2 outputs	4 inputs	4 inputs
Privacy Mask	Yes	Yes	Yes	Yes	Yes	Yes
Motion Detection	Yes	Yes	-	Yes	-	-
WDR	-	-	OFF/WDR/AD WDR/WDR*/AD WDR*	OFF/DVER COMP/EXP RATIONAUTO	OFF/WDR/AD WDR/WDR*/AD WDR*	ON/OFF
Backlight Compensation	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF
White Balance	AUTO/ATW/INDOOR/OUTDOOR/MANU	AUTO/MANU/INDOOR/OUTDOOR/OUTDOOR AUTO/SODI/ATW	AUTO/MANU/MERC/SODI	AUTO/MANU/INDOOR/OUTDOOR/OUTDOOR AUTO/SODI/ATW	AUTO/MANU	AUTO/MANU
Stabilization	-	Yes	-	Yes	Yes	Yes
FNR	-	ON/OFF	OFF/AUTO/MANU	ON/OFF	OFF/AUTO/MANU	-
DSS	Yes	Yes	Yes	Yes	Yes	Yes
Speed	Manual Pan Speed: 1°~240°/s Manual Tilt Speed: 1°~100°/s Maximum Preset Speed: 350°/s	Manual Pan Speed: 0.08°~200°/s Manual Tilt Speed: 0.2°~100°/s Maximum Preset Speed: 400°/s			Manual Pan/Tilt Speed: 0.5°~90°/s Maximum Preset Speed: 240°/s	Manual Pan/Tilt Speed: 0.5°~180°/s Maximum Preset Speed: 200°/s
Power Supply	24VAC/24VDC self-adaptive or 12VDC	12VDC, 24VAC	12VDC, 24VAC	12VDC, 24VAC	24VAC	24VAC
Operating Temperature	Indoor: 14°F~104°F (-10°C~+40°C); Outdoor: -40°F~140°F (-40°C~+60°C)	Indoor: -4°F~ 122°F (-20°C~+50°C) Outdoor: -40°F~140°F (-40°C~+60°C)			-40°F~122°F (-40°C~50°C)	-40°F~122°F (-40°C~50°C)
Others	IP66 rating	IP66 rating	IP66 rating	IP66 rating	IP67 rating	IP67 rating

Camera Accessories



Lenses & IR Illuminators

	IR Fixed-Focal Lenses		Vari-Focal Lenses			IR Vari-Focal Lenses			Motorized Zoom Lenses
Model	V1112-4	V1112-8	V1122-308	V1122-2812	V1122-550	V1132-3085	V1132-2812	V1132-7550	V1162
Product Picture									
Image Size	1/3"	1/3"	1/3"	1/3"	1/3"	1/3"	1/3"	1/3"	1/3"
Mount	CS	CS	CS	CS	CS	CS	CS	CS	CS
Focal Length	4.0 mm	8.0 mm	3.0~8 mm	2.8~12 mm	5.0~50 mm	3.0~8.5 mm	2.8~12 mm	7.5~50 mm	6~60 mm
Aperture	F/1.2 ~ F/360	F/1.2 ~ F/360	F/1.0 ~ F/360	F/1.4 ~ F/360	F/1.4 ~ F/360	F/1.0~ F/360	F/1.2~ F/360	F/1.3~ F/360	F/1.4~F/360
Angle of View (Horizontal × Vertical)	65.6°×49.7°	34.5°×25.7°	Wide: 91.0°×66.6°, Tele: 35.9°×26.9°	Wide:97.4°×72.5°, Tele: 24.1°×18.1°	Wide: 53.6°×40.3°, Tele: 5.6°×4.2°	Wide: 90.5°×67.2°, Tele: 33.6°×25.2°	Wide: 98.5°×73°, Tele: 23.8°×17.8°	Wide: 36.6°×27.4°, Tele: 5.64°×4.26°	Wide: 43.4°x 32.7°; Tele: 4.5°x 3.4°
Iris	DC Auto Driver	DC Auto Driver	DC Auto Driver	DC Auto Driver	DC Auto Driver	DC Auto Driver	DC Auto Driver	DC Auto Driver	DC auto iris
Focus	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Motorized
Zoom	-	-	Manual	Manual	Manual	Manual	Manual	Manual	Motorized
Minimum Object Distance	0.66 ft. (0.2 m)	0.66 ft. (0.2 m)	0.66 ft. (0.2 m)	1.0 ft. (0.3 m)	3.28 ft. (1.0 m)	-	-	-	3.94 ft. (1.2 m)
Maximum Barrel Diameter	1.36" (34 mm Ø)	1.36" (34 mm Ø)	1.30" (33 mm Ø)	1.61" (41 mm Ø)	1.57" (40 mm Ø)	-	-	-	2.8" W, 2.8" H (70 mm, 70 mm)

	HD Megapixel Vari-Focal Lenses	
Model	V1182-3108R	V1182-1250R
Product Picture		
Image Size	1/2.7"	1/2.7"
Mount	CS	CS
Focal Length	3.1~8 mm	12.5~50 mm
Aperture	F1.2~F360C	F1.4~F360C
Angle of View	D: 123.1°~48.3°; H: 105.4°~42.2°; V: 57.9°~23.8°	D: 30.3°~7.7°; H: 26.3°~6.7°; V: 14.5°~3.8°
Iris	Auto (DC drive)	Auto (DC drive)
Focus	Manual	Manual
Zoom	Manual	Manual
Focusing Range	0.3m~∞	1.0m~∞
Back Focal Length	Wide: 7.8mm; Tele: 7.8mm	Wide: 11.6mm; Tele: 7.3mm

	IR Illuminators
Model	V1283-100-1
Product Picture	
Radiant Distance	328' (100 m)
Beam Angle	18°
Wavelength	850 nm
Power Supply	12 VDC
Power Consumption	6 W
Environmental	Indoor/Outdoor: -40°F~140°F (-40°C ~ 60°C)
Dimensions	Ø2.48" × L5.35" (Ø63mm × L136mm)
Weight	1.380 lbs. (0.626 kg)

Camera Housings & Mounts

	Indoor/Outdoor Mini Camera Housing	Indoor/Outdoor Medium Camera Housing	Indoor/Outdoor Large Camera Housing
Model	V1405	V1406	V1407
Product Picture			
Internal Usable Dimensions (L×W×H)	V1405-7: 6.85"×3.54"×2.85" (174 mm×90 mm×72.5 mm) V1405-10: 9.84"×3.54"×2.85" (250 mm×90 mm×72.5 mm)	11.02"×4.92"×4.09" (280 mm×125 mm×104 mm)	V1407-16: 15.75"×7.87"×5.12" (400mm×200mm×130mm) V1407-22: 21.77"×7.87"×5.12" (553mm×200mm×130mm)
Window Dimensions (W×H)	2.64"×2.24" (67 mm×57 mm)	4.02"×3.50" (102 mm×89 mm)	5.28"×4.25" (134 mm×108 mm)
Input Voltage	24VAC, 50/60 Hz	24VAC, 50/60 Hz	24VAC, 50/60 Hz
Power Consumption	25W	Blower: 8W; Heater: 36W; Window Wiper: 5W	Blower: 8W; Heater: 36W; Window Wiper: 5W
Construction	Die-cast Aluminum	Die-cast Aluminum	Die-cast Aluminum
Environmental	Indoor/Outdoor: 23°F~140°F (-5°C~60°C); -13°F~140°F (-25°C~60°C) (w/heater), IP66	Indoor/Outdoor: 23°F~140°F (-5°C~60°C); -13°F~140°F (-25°C~60°C) (w/heater), IP66	Indoor/Outdoor: 23°F~140°F (-5°C~60°C); -13°F~140°F (-25°C~60°C) (w/heater), IP66

	Housing Mounts		
Model	V1571-W	V1572-W	V1573
Product Picture			

	Housing Mounts		
Model	V1574A	V1574B	
Product Picture			

	Dome Mounts		
Model	V1761	V1761L	V1762
Product Picture			

	Dome Mounts		
Model	V1763	V1764	V1764A
Product Picture			

	Dome Mounts			
Model	V1764B	V1765	V1766	V1760S
Product Picture				

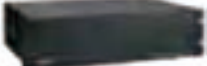
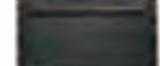
Control Room Product Family



Monitors

	LCD Monitors			
Model	V1362S-17E-2	V1362S-19E-2	V1362S-17	V1362S-19
Product Picture				
LCD Display	17" Active Matrix TFT LCD	19" Active Matrix TFT LCD	17" Active Matrix TFT LCD	19" Active Matrix TFT LCD
Viewable Size (H×V)	13.30"×10.64" (337.92mm×270.34 mm)/(5:4)	14.81"×11.85" (376.32 mm×301.06 mm)/(5:4)	13.30"×10.64" (337.92mm×270.34mm)/(5:4)	14.81"×11.85" (376.32 mm×301.06 mm)/(5:4)
Contrast Ratio (Typ.)	1000:1	1000:1	1000:1	800:1
Brightness (Typ.)	250 cd/m²	250 cd/m²	300 cd/m²	300 cd/m²
Pixel Pitch (H×V)	0.264 mm×0.264 mm	0.294 mm×0.294 mm	0.264 mm×0.264 mm	0.294 mm×0.294 mm
Maximum Resolution (H×V)	1280×1024 (SXGA)	1280×1024 (SXGA)	1280×1024 (SXGA)	1280×1024 (SXGA)
Power Supply	AC 100V~240V, 50/60Hz	AC 100V~240V, 50/60Hz	AC 100V~240V, 50/60Hz	AC 100V~240V, 50/60Hz
Power Consumption	48 W (Max.)	48 W (Max.)	50 W (Max.)	50 W (Max.)
Operating Temperature	32°F~104°F (0°C~40°C)	32°F~104°F (0°C~40°C)	32°F~104°F (0°C~40°C)	32°F~104°F (0°C~40°C)

TCP/IP Networkable Video Matrix Switchers

	TCP/IP Networkable Video Matrix Switchers				Matrix SwitcherVideo Management Software
Model	V2011A	V2015A	V2020A	V2040A	V2210
Product Picture					
Video Input	75 Ohm BNC, 1.0 Vp-p composite	75 Ohm BNC, 1.0 Vp-p composite	75 Ohm BNC, 1.0 Vp-p composite	75 Ohm BNC, 1.0 Vp-p composite	Compatible with matrix, alarm interface, access control and IP dome camera ; User priority level can be defined to limit certain operations ; Supports CCTV centralized management; On-screen simulated keyboard ; Supports live video display, compatible with DVR video, Network video and multiple video cards ; Electronic maps and graphics; Integrates with Port Alarm, Network Alarm, and VISTA Network Alarm; PTZ, lens and auxiliary switch control ; Supports intelligent operations of dome cameras Provides alarm scheme ; Network time synchronization
Maximum Video Inputs	32	80	240	1024	
Video Output	75 Ohm BNC, 1.0 Vp-p composite	75 Ohm BNC, 1.0 Vp-p composite	75 Ohm BNC, 1.0 Vp-p composite	75 Ohm BNC, 1.0 Vp-p composite	
Maximum Video Outputs	8	16	32	128	
Amplitude-Frequency Characteristics	±1.0dB (5.8 MHz)	±1.0dB (5.8 MHz)	±1.0dB (5.8 MHz)	±1.0dB (5.8 MHz)	
Differential Gain	<1.0% (typical)	<1.0% (typical)	<1.0% (typical)	<1.0% (typical)	
Differential Phase	<1.5° (typical)	<1.5° (typical)	<1.5° (typical)	<1.5° (typical)	
S/N Ratio	≥60 dB (typical)	≥60 dB (typical)	≥60 dB (typical)	≥60 dB (typical)	
Tour/Salvo/Event Timer	64/64/35	64/64/35	64/64/35	64/64/35	
Adjacent Channels	PAL: 55dB (4.43 MHz); NTSC: 55dB (3.58 MHz)	PAL:55dB (4.43 MHz); NTSC:55dB (3.58 MHz)	PAL:55dB (4.43 MHz); NTSC:55dB (3.58 MHz)	PAL:55dB (4.43 MHz); NTSC:55dB (3.58 MHz)	
Input to Input	PAL: 70 dB (4.43 MHz); NTSC: 70 dB (3.58 MHz)	PAL:70 dB(4.43 MHz); NTSC:70 dB(3.58 MHz)	PAL:70 dB(4.43 MHz); NTSC:70 dB(3.58 MHz)	PAL:70 dB(4.43 MHz); NTSC:70 dB(3.58 MHz)	
Return Loss (Input/Output)	>40dB	>40dB	>40dB	>40dB	
DC Level	0V or 400mV	0V or 400mV	0V or 400mV	0V or 400mV	
Bandwidth	5 Hz ~ 8 MHz	5 Hz ~ 8 MHz	5 Hz ~ 8 MHz	5 Hz ~ 8 MHz	
Switching Speed	20ms (typical)	20ms (typical)	20ms (typical)	20ms (typical)	
Communication Protocol	RS-232 or Ethernet	RS-232 or Ethernet	RS-232 or Ethernet	RS-232 or Ethernet	
RS-232 Ports	3 (expandable to 12)	5 (expandable to 20)	8 (expandable to 32)	10 (expandable to 40)	
Connection Type	8-pin, RJ-45 connector	8-pin, RJ-45 connector	8-pin, RJ-45 connector	8-pin, RJ-45 connector	
Alarm Inputs	16	16	1024, working with V2431	1024, working with V2431	
Alarm Outputs	2	2	Flexible	Flexible	
Ethernet Data Interface	TCP/IP IEEE 802.3 Compliant	TCP/IP IEEE 802.3 Compliant	TCP/IP IEEE 802.3 Compliant	TCP/IP IEEE 802.3 Compliant	
Ethernet Connection Type	RJ-45	RJ-45	RJ-45	RJ-45	
Ethernet Data Rate	10/100 Mbps	10/100 Mbps	10/100 Mbps	10/100 Mbps	
RS-485 Control Code	1 set, One 3-pin connector	1 set, One 3-pin connector	-	-	
Manchester Control Code	4 sets, One 12-pin connector	4 sets, One 12-pin connector	-	-	
Input Voltage	100~240VAC self-adaptive	100~240VAC self-adaptive	100~240VAC self-adaptive	100~240VAC self-adaptive	
Power Consumption	Maximum 11W	Maximum 30W	Maximum 120W	Maximum 120W	

Keyboards/Controllers

	Keyboard / Controller					Keyboard / Controller	
Model	V2125	V2117	V2111	V2110	V2109	Model	V2215-J1
Product Picture						Product Picture	
Main functions	Control matrix, dome cameras and DVR	Control matrix, dome cameras and DVR	Control dome cameras and DVR	Control matrix	Control dome cameras	Main functions	Control dome cameras and video images
Joystick/Shuttle	With 3-D joystick and shuttle	with 3-D joystick	with 3-D joystick	with 3-D joystick	with 3-D joystick	Joystick performance	Hall effect three axes joystick X/Y/Z for positioning control
Communication Protocol	RS-232, RS-422/RS-485 and Ethernet	RS-232 and Ethernet	-	RS-232	-	Joystick Travel	36° for X and Y axes 60° for Z axis
Control Code	Manchester, RS-422/485	Manchester, RS-485	Manchester, RS-485	-	Manchester, RS-485	Centering	Single spring, omni directional
RS-232 Baud Rate (bps)	1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200	1200, 2400, 4800, 9600, 19200, 38400	-	1200	-	Desktop housing	High impact ABS
RS-422 Baud Rate (bps)	1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200	-	-	-	-	Power	Via USB interface (5V DC) Consumption 32mA
RS-485 Protocol	INFINOVA, PELCO-D/P, SAMSUNG, VICON	INFINOVA, PELCO-D/P, SAMSUNG, VICON, DVR	INFINOVA, PELCO-D/P, SAMSUNG, VICON, DVR	-	INFINOVA, PELCO-D/P, SAMSUNG, VICON	Interface	USB port
RS-485 Baud Rate (bps)	1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200	1200, 2400, 4800, 9600, 19200	1200, 2400, 4800, 9600, 19200	-	1200, 2400, 4800, 9600, 19200	Systems support integration	Windows 7, Vista, XP, and 2000
Input Voltage	12VDC	120VAC/60Hz; 230VAC/50Hz	120VAC/60Hz; 230VAC/50Hz	120VAC/60Hz; 230VAC/50Hz	120VAC/60Hz; 230VAC/50Hz	Supported Protocols	USB HID 1.1 game controller Direct X (Gaming Control) Joystick: Three HID axes Pushbuttons: 12 HID buttons Uses standard DirectX HID drivers Connects directly to workstation PC
Power Consumption	≤7.32W	4.5W	3W	4.5W	3W	Operating Temperature	-13°F ~ +185°F (-25°C ~ +85°C)
Operating Temperature	14°F ~ 104°F (-10°C ~ 40°C)	32°F ~ 140°F (0°C ~ 60°C)	32°F ~ 104°F (0°C ~ 40°C)	32°F ~ 104°F (0°C ~ 40°C)	32°F ~ 104°F (0°C ~ 40°C)		

CCTV Accessories

	Video Distribution Amplifiers	Video Looping Amplifier		RS-232 Data Port Expander		RS-485 Code Distributor
Model	2401	2403	Model	V2405A-4	Model	V2410
Product Picture			Product Picture		Product Picture	
Video Input	1.0 Vp-p composite signal, 75 Ohm BNC	1.0 Vp-p composite signal, 75 Ohm BNC	Port	RJ-45	RS-485 Input	1
Video Output	1.0 Vp-p composite signal, 75 Ohm BNC	1.0 Vp-p composite signal, 75 Ohm BNC	Protocol	RS-232	RS-485 Outputs	16
Video Input Number	1	16 or 8 or 4	Baud Rate(bps)	4800, 9600	RS-485 Connector	Plug-in terminal connector double shielded
Video Output Number	4 or 16 outputs	2 sets of 16; 4 sets of 8 8 sets of 4	Input Voltage	100~240VAC, 50/60Hz	Input Voltage	120VAC/60Hz; 230VAC/50Hz
Amplitude-Frequency Characteristics	±1.0dB (5.8 MHz)	±1.0dB (5.8 MHz)	Power Consumption	<3W	Power Consumption	2W
Bandwidth	5Hz to 7.5MHz	5Hz to 7.5MHz	Operating Temperature	32°F~104°F (0°C~40°C)	Operating Temperature	32°F~104°F (0°C~40°C)
Input Voltage	120VAC/60Hz; 230VAC/50Hz	100~240VAC	Function	Expand a single RS-232 data port into 4 RS-232 ports		
Power Consumption	<3W	<6W				
Operating Temperature	32°F~140°F (0°C~60°C)	32°F~122°F (0°C~50°C)				

	Code Converter/Distributor	Multiple-Protocol Data Merger/Code Distributor	Up-The-Coax Code Converter		Switch Follower	Alarm Follower	Auxiliary Follower
Model	V2411	V2413	V2414	Model	V2421A	V2422A	V2423A
Product Picture				Product Picture			
HSDL 1	Input/output BNC interface	Input/output BNC interface	Input/output BNC interface	Relay Output	Two groups, 16 relays for each group	Two groups, 16 relays for each group	Two groups, 16 relays for each group
HSDL 2	Input/output BNC interface	-	-	High-speed Data Line	BNC interface, input/output	BNC interface, input/output	BNC interface, input/output
Input Voltage	100~240VAC, 50/60Hz	100~240VAC, 50/60Hz	120VAC/60Hz; 230VAC/50Hz	Manchester	Screw terminal connectors, two wires	-	Screw terminal connectors, two wires
Power Consumption	2.8W	7W	8W	Input Voltage	100~240VAC, 50/60Hz	100~240VAC, 50/60Hz	100~240VAC, 50/60Hz
Operating Temperature	32°F~104°F (0°C~40°C)	32°F~104°F (0°C~40°C)	32°F~104°F (0°C~40°C)	Power Consumption	8W	8W	8W
Function	Generate up to sixteen RS-485 outputs from one high-speed data line (HSDL) input	Provide one multiple protocols input, 16 Manchester/Biphase, 16 RS-485 or 8 RS-422 code outputs	Provide one Manchester code ,one high-speed data line and one RS-485 code input, and 16 control signal outputs to control 16 up-the-coax protocol Infinova PTZ domes	Operating Temperature	32°F~104°F (0°C~40°C)	32°F~104°F (0°C~40°C)	32°F~104°F (0°C~40°C)

CCTV Accessories

	Alarm Interface		External CPU for V2040A Matrix Switcher		Matrix Hot Switch for Dual CPU Operation
Model	V2431	Model	V2923ACN	Model	V2924AHS
Product Picture		Product Picture		Product Picture	
Alarm Inputs	64 contact closures (Closures to ground or 0V to 5V logic levels), N/O or N/C; Programmable in blocks of 8	Communication Protocol	RS-232/Ethernet option	RS232 ports	27, 8-pin RJ-45 connectors
Address Range	16 blocks of 64 for maximum of 1,024	Number of RS-232 Ports	10 (expandable to 40)	CPU communication ports	2, 8-pin RJ-45 connectors
Alarm Outputs	RS-232, communicate with system CPU via RJ-45 connector	Connection Type	8-pin RJ-45 connectors	Ethernet connectors	3, 8-pin RJ-45 connectors, 10/100Mbps
Alarm Indication	LED & Form-C relay output	Data Interface	RJ-45	High Speed Data Line:	6, BNC interface
RS-232	RJ-45	Data Rate	10/100 Mbps	programmable monitor outputs	3, BNC interface
Alarm Inputs	Eleven 12-pin removable screw terminals	HSDL	2 BNC connectors	Alarm outputs	3, 3-pin "D" type sockets
Input Voltage	120VAC/60Hz; 230VAC/50Hz	Programming Monitor	1 BNC connectors	Input voltage	100~240VAC, 50/60Hz
Power Consumption	8W	Input Voltage	100~240VAC, 50/60Hz	Power consumption	5W
		Power Consumption	8W		
Operating Temperature	32°F~104°F (0°C~40°C)	Operating Temperature (indoor)	32°F~140°F (0°C~60°C)	Operating Temperature (indoor)	32°F~104°F (0°C~40°C)

Digital Video Recorders (DVRs)

	Embedded Digital Video Recorder	Embedded Digital Video Recorder	Embedded Network Digital Video Recorder
Model	V3060	V3061	V3062
Product Picture			
Operating System	Embedded Linux system	Embedded Linux system	Embedded Linux system
Video Compression	H.264	H.264	H.264
Video Input	8/16-ch BNC (1.0 Vp-p, 75Ω)	8/16-ch BNC (1.0 Vp-p, 75Ω)	4-ch BNC (1.0Vp-p, 75Ω)
Video Ouput	2-ch BNC (1.0 Vp-p, 75Ω); 1-ch VGA	2-ch BNC (1.0 Vp-p, 75Ω); 1-ch VGA	1-ch VGA (Resolutions: 800×600@60Hz, 1024×768@60Hz, 1280×1024@60Hz, 1440×900@60Hz); 2-ch BNC (1.0Vp-p, 75Ω), 1 main output and 1 auxilliary output
Video Looping Output	8/16-ch BNC (1.0 Vp-p, 75Ω)	8/16-ch BNC (1.0 Vp-p, 75Ω)	-
Format Supported	PAL, NTSC	PAL, NTSC	PAL, NTSC
Recording Resolution	PAL: 4CIF (704×576), 2CIF (704×288), CIF (352×288), QCIF (176×144); NTSC: 4CIF(704×480), 2CIF (704×240), CIF (352×240), QCIF (176×120)	PAL: 4CIF (704×576), 2CIF (704×288), CIF (352×288), QCIF (176×144); NTSC: 4CIF(704×480), 2CIF (704×240), CIF (352×240), QCIF (176×120)	PAL: 4CIF(704×576), 2CIF(704×288), CIF(352×288), QCIF(176×144); NTSC: 4CIF(704×480), 2CIF(704×240), CIF(352×240), QCIF(176×120)
Frame Rate	PAL:1~25 fps; NTSC:1~30 fps	PAL: 1~25 fps; NTSC: 1~30 fps	PAL:1~25fps, NTSC:1~30fps
Video Output Bit Rate	256Kbps~2.5Mbps, adjustable	256Kbps~2.5Mbps, adjustable	256kbps~2560kbps, adjustable
Audio Compression	G.711A	G.711A	G.711A
Audio Input	8/16-ch, DB15 port	8/16-ch, DB15 port	4-ch RCA (1.0Vp-p)
Audio Output	1-ch BNC (1.4Vp-p, 300Ω)	1-ch BNC (1.4Vp-p, 300Ω)	1-ch RCA, linear output
Intercom	1-ch BNC (1.0Vp-p, 75Ω) input, 1-ch BNC (1.0Vp-p, 75Ω) output	1-ch BNC (1.0Vp-p, 75Ω) input	1-ch RCA, linear input
Audio Output Bit Rate	16Kbps	16Kbps	-
Communication Port	1 RS-232 (RJ45); 1 RS-422 (4-pin terminal)	1 RS-232 (RJ45); 1 RS-422 (4-pin terminal)	1 RS-485 (4-PIN terminal, T+/T-/R+/R-)
Network Port	1* 10M/100M/1000M self-adaptive Ethernet port, RJ-45	2* 10M/100M/1000M self-adaptive Ethernet ports, RJ-45	1* 10M/100M/1000M self-adaptive, RJ-45
Alarm	16 inputs, 4 outputs (5VDC)	16 inputs, 4 outputs (5VDC)	4 inputs, 2 outputs
USB	1, on rear panel; 1, on front panel	2, on rear panel; 1, on front panel	2, on rear side
Hard Disk	V3060A: 8 SATA hard disks; V3060W: 4 SATA hard disks	V3061A: 8 SATA hard disks; V3061W: 4 SATA hard disks	2 SATA ports (built-in), 2T (maximum)
Backup	External USB; Internal SATA DVD writer (V3060W)	External USB; Internal SATA DVD writer (V3061W)	Record backup through USB port
Recording Mode	3 modes: manual, scheduled and alarm (including motion detection)	3 modes: manual, scheduled and alarm (including motion detection)	3 modes: manual, scheduled, alarm (including motion detection)
Protocol	TCP/IP, RTP, UDP, ICMP, DHCP, DNS, NTP, SNMP, etc.	TCP/IP, RTP, UDP, ICMP, DHCP, DNS, NTP, SNMP, etc.	TCP/IP, RTP, UDP, ICMP, DHCP, DNS, NTP, SNMP etc.
Users	Two-level user access management; three-level priority settings	Two-level user access management; three-level priority settings	Two-level user access management
Operation Methods	Front panel, remote controller, mouse and V2111 keyboard	Front panel, remote controller, mouse and V2111 keyboard	Front panel, remote controller, mouse
Power Supply	100~240VAC, self-adaptive	100~240VAC, self-adaptive	12VDC
Operating Temperature	14°F~122°F (-10°C~50°C)	14°F~122°F (-10°C~50°C)	32°F~122°F (0°C~50°C)
Notes	All channels support the maximum resolution of 4CIF, but only 2 channels can be set at 4CIF synchronously	Each channel can be set with the resolution up to 4CIF simultaneously	-

Fiber Optic Communications Product Family



Digital Fiber Optic

	Video Only				Video Only			
Function	V >		2V >		4V >		8V >	
Product Picture								
Model	N3510/N3511	N3710/N3711	N3542	N3742	N3544	N3744	N3548	N3748
Fiber Type	Multi-mode	Single-mode	Multi-mode	Single-mode	Multi-mode	Single-mode	Multi-mode	Single-mode
Output Power	-15dBm (typical)	-10dBm (typical)	-12dBm (typical)	-5dBm (typical)	-12dBm (typical)	-5dBm (typical)	-12dBm (typical)	-5dBm (typical)
Receiver Sensitivity	-27dBm (typical)	-30dBm (typical)	-19dBm (typical)	-22dBm (typical)	-19dBm (typical)	-22dBm (typical)	-19dBm (typical)	-22dBm (typical)
Wavelength	1310nm	1310nm	1310nm	1310nm	1310nm	1310nm	1310nm	1310nm
Connector	ST	FC	ST	FC	ST	FC	ST	FC
Video Channel	1		2		4		8	
Video Input Impedance	75 Ohm		75 Ohm		75 Ohm		75 Ohm	
Video Voltage	1.0 Vp-p		1.0 Vp-p		1.0 Vp-p		1.0 Vp-p	
Bandwidth	5Hz~6.5MHz		5Hz~6.5MHz		5Hz~6.5MHz		5Hz~6.5MHz	
Differential Gain	1% (typical)		1% (typical)		1% (typical)		1% (typical)	
Differential Phase	1° (typical)		1° (typical)		1° (typical)		1° (typical)	
Signal-to-Noise Ratio	67dB (weighted)		67dB (weighted)		67dB (weighted)		67dB (weighted)	
PCM Encoding	8 bits		10 bits		10 bits		10 bits	

Notes:

A = Audio: Duplex 600 ohm Balanced, 600/10k/47k ohm Unbalanced - Switch Selectable

B = Data: Duplex RS-232

D = Data: Duplex RS-422/RS-485 and Simplex Manchester/Biphase - Switch Selectable

E = Contact Closure: Duplex

V = Video > = Forward < = Return <> = Duplex

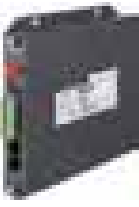
Digital Fiber Optic

	Data Only			
Function	D <> + B <>		4D <>	
Product Picture				
Model	N3571	N3771	N3572	N3772
Fiber Type	Multi-mode	Single-mode	Multi-mode	Single-mode
Output Power	-15dBm (typical)	-10dBm (typical)	-15dBm (typical)	-10dBm (typical)
Receiver Sensitivity	-27dBm (typical)	-30dBm (typical)	-27dBm (typical)	-30dBm (typical)
Wavelength	1310/1310nm	1310/1350nm	1310/1310nm	1310/1350nm
Connector	ST	FC	ST	FC
Data Channel	2		Up to 4 channel	
Data Format	RS-232/RS-422/RS-485/Manchester/Biphase		RS-232/RS-422/RS-485/Manchester/Biphase	
Data Rate	DC to 115.2kbps		DC to 115.2kbps	
Bit Error Rate	<10 ⁻⁹		<10 ⁻⁹	

	Audio Only		Audio Intercoms	
Function	A <>		Intercom <>	
Product Picture				
Model	N3574	N3774	N3576	N3776
Fiber Type	Multi-mode	Single-mode	Multi-mode	Single-mode
Output Power	-15dBm (typical)	-10dBm (typical)	-15dBm (typical)	-10dBm (typical)
Receiver Sensitivity	-27dBm (typical)	-30dBm (typical)	-27dBm (typical)	-30dBm (typical)
Wavelength	1310/1310nm	1310/1350nm	1310/1310nm	1310/1350nm
Connector	ST	FC	ST	FC
Audio Channel	1		Industrial terminal block	
Audio Format	600 ohm Balanced, 600/10k/47k ohm Unbalanced-Jumper Selectable		Compatible with Aiphone® intercom audio frequency	
Audio Level	-6~+6dBm		PCM compiling	
Frequency Response	10Hz~20kHz		DC to 115.2kbps	
Signal-to-Noise Ratio	75dB (Weighted)		<10 ⁻⁹	

Digital Fiber Optic

	Contact Closure		POTS or PBX	
Function	8 C.C.>		POTS TEL<>	
Product Picture				
Model	N3579	N3779	N3586	N3786
Fiber Type	Multi-mode	Single-mode	Multi-mode	Single-mode
Output Power	-15dBm (typical)	-10dBm (typical)	-15dBm (typical)	-10dBm (typical)
Receiver Sensitivity	-27dBm (typical)	-30dBm (typical)	-27dBm (typical)	-30dBm (typical)
Wavelength	1310 nm	1310 nm	1310/1310 nm	1310/1550 nm
Connector	ST	FC	ST	FC
Contact Closure Channels	8		-	
Data Format	-		RS-422/RS-485/Manchester/Biphase	
Data Rate	-		DC to 115.2 kbps	
Bit Error Rate	-		<10 ⁻⁹	

	Auto Sensing Ethernet	Auto Sensing Ethernet, Data	Auto Sensing Ethernet
Function	Ethernet<>	Ethernet<> + D<>	Ethernet<>
Product Picture			
Model	N3784	N3785	N3787
Fiber Type	Single-mode	Single-mode	Single-mode
Output Power	-10dBm (typical)	-10dBm (typical)	-10dBm (typical)
Receiver Sensitivity	-30dBm (typical)	-30dBm (typical)	-30dBm (typical)
Wavelength	1310/1550 nm	1310/1550 nm	1310/1550 nm
Connector	FC	FC	FC
Ethernet	10/100Mbps Auto Sensing	10/100Mbps Auto Sensing	10/100/1000Mbps Auto Sensing
Ethernet Ports	4	2	2 or 8
Baud Rate	-	0~115.2 kbps	-
Bit Error Rate	-	<10 ⁻⁹	-

Digital Fiber Optic

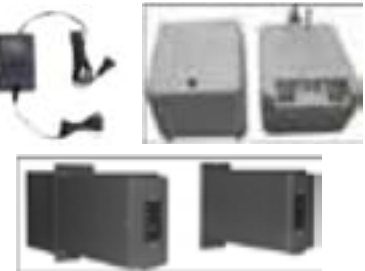
	Video and Data						Video and Data							
Function	V > + D <> + B <>		2V > + D <> + B <>		2V > + 4D <>		4V > + D <> + B <>		4V > + 4D <>		8V > + D <> + B <>		8V > + 4D <>	
Product Picture														
Model	N3531	N3731	N3551	N3751	N3553	N3753	N3554	N3754	N3556	N3756	N3557	N3757	N3559	N3759
Fiber Type	Multi-mode	Single-mode	Multi-mode	Single-mode	Multi-mode	Single-mode	Multi-mode	Single-mode	Multi-mode	Single-mode	Multi-mode	Single-mode	Multi-mode	Single-mode
Output Power	-15dBm (typical)	-10dBm (typical)	-12dBm (typical)	-5dBm (typical)	-12dBm (typical)	-5dBm (typical)	-12dBm (typical)	-5dBm (typical)	-12dBm (typical)	-5dBm (typical)	-12dBm (typical)	-5dBm (typical)	-12dBm (typical)	-5dBm (typical)
Receiver Sensitivity	-27dBm (typical)	-30dBm (typical)	-19dBm (typical)	-22dBm (typical)	-19dBm (typical)	-22dBm (typical)	-19dBm (typical)	-22dBm (typical)	-19dBm (typical)	-22dBm (typical)	-19dBm (typical)	-22dBm (typical)	-19dBm (typical)	-22dBm (typical)
Wavelength	1310/1310nm	1310/1550nm	1310/1310nm	1310/1550nm	1310/1310nm	1310/1550nm	1310/1310nm	1310/1550nm	1310/1310nm	1310/1550nm	1310/1310nm	1310/1550nm	1310/1310nm	1310/1550nm
Connector	ST	FC	ST	FC	ST	FC	ST	FC	ST	FC	ST	FC	ST	FC
Video Channel	1		2		2		4		4		8		8	
Video Input Impedance	75 Ohm		75 Ohm		75 Ohm		75 Ohm		75 Ohm		75 Ohm		75 Ohm	
Video Voltage	1.0 Vp-p		1.0 Vp-p		1.0 Vp-p		1.0 Vp-p		1.0 Vp-p		1.0 Vp-p		1.0 Vp-p	
Bandwidth	5Hz~6.5MHz		5Hz~6.5MHz		5Hz~6.5MHz		5Hz~6.5MHz		5Hz~6.5MHz		5Hz~6.5MHz		5Hz~6.5MHz	
Differential Gain	1% (typical)		1% (typical)		1% (typical)		1% (typical)		1% (typical)		1% (typical)		1% (typical)	
Differential Phase	1° (typical)		1° (typical)		1° (typical)		1° (typical)		1° (typical)		1° (typical)		1° (typical)	
Signal-to-Noise Ratio	67dB (weighted)		67dB (weighted)		67dB (weighted)		67dB (weighted)		67dB (weighted)		67dB (weighted)		67dB (weighted)	
PCM Encoding	10 bits		10 bits		10 bits		10 bits		10 bits		10 bits		10 bits	
Data Channel	2		2		4		2		4		2		4	
Data Format	RS-232/RS-422/RS-485/Manchester/Biphase		RS-232/RS-422/RS-485/Manchester/Biphase		RS-232/RS-422/RS-485/Manchester/Biphase		RS-232/RS-422/RS-485/Manchester/Biphase		RS-232/RS-422/RS-485/Manchester/Biphase		RS-232/RS-422/RS-485/Manchester/Biphase		RS-232/RS-422/RS-485/Manchester/Biphase	
Data Rate	DC to 115.2kbps		DC to 115.2kbps		DC to 115.2kbps		DC to 115.2kbps		DC to 115.2kbps		DC to 115.2kbps		DC to 115.2kbps	
Bit Error Rate	<10 ⁻⁹		<10 ⁻⁹		<10 ⁻⁹		<10 ⁻⁹		<10 ⁻⁹		<10 ⁻⁹		<10 ⁻⁹	

Digital Fiber Optic

	Video, Audio and Data				Video, Audio and Data			
Function	V > + A <> + D <> + B <> + E <>		2V > + 2A <> + 2D <>		4V > + 2A <> + 2D <>		8V > + 2A <> + 2D <>	
Product Picture								
Model	N3532	N3732	N3552	N3752	N3555	N3755	N3558	N3758
Fiber Type	Multi-mode	Single-mode	Multi-mode	Single-mode	Multi-mode	Single-mode	Multi-mode	Single-mode
Output Power	-15dBm (typical)	-10dBm (typical)	-12dBm (typical)	-5dBm (typical)	-12dBm (typical)	-5dBm (typical)	-12dBm (typical)	-5dBm (typical)
Receiver Sensitivity	-27dBm (typical)	-30dBm (typical)	-19dBm (typical)	-22dBm (typical)	-19dBm (typical)	-22dBm (typical)	-19dBm (typical)	-22dBm (typical)
Wavelength	1310/1310nm	1310/1550nm	1310/1310nm	1310/1550nm	1310/1310nm	1310/1550nm	1310/1310nm	1310/1550nm
Connector	ST	FC	ST	FC	ST	FC	ST	FC
Video Channel	1		2		4		8	
Video Input Impedance	75 Ohm		75 Ohm		75 Ohm		75 Ohm	
Video Voltage	1.0 Vp-p		1.0 Vp-p		1.0 Vp-p		1.0 Vp-p	
Bandwidth	5Hz~6.5MHz		5Hz~6.5MHz		5Hz~6.5MHz		5Hz~6.5MHz	
Differential Gain	1% (typical)		1% (typical)		1% (typical)		1% (typical)	
Differential Phase	1° (typical)		1° (typical)		1% (typical)		1% (typical)	
Video Signal-to-Noise Ratio	67dB (weighted)		67dB (weighted)		67dB (weighted)		67dB (weighted)	
PCM Encoding	10 bits		10 bits		10 bits		10 bits	
Audio Channel	1		2		2		2	
Audio Format	600 ohm Balanced, 600/10k/47k ohm Unbalanced-Jumper Selectable		600 ohm Balanced, 600/10k/47k ohm Unbalanced-Jumper Selectable		600 ohm Balanced, 600/10k/47k ohm Unbalanced-Jumper Selectable		600 ohm Balanced, 600/10k/47k ohm Unbalanced-Jumper Selectable	
Audio Level	-6~+6 dBm		-6~+6 dBm		-6~+6 dBm		-6~+6 dBm	
Frequency Response	10Hz ~ 20kHz		10Hz ~ 20kHz		10Hz ~ 20kHz		10Hz ~ 20kHz	
Audio Signal-to-Noise Ratio	75dB (Weighted)		75dB (Weighted)		75dB (Weighted)		75dB (Weighted)	
Data Channel	3		2		2		2	
Data Format	RS-232/RS-422/RS-485/Manchester/Biphase/Contact closure		RS-232/RS-422/RS-485/Manchester/Biphase		RS-232/RS-422/RS-485/Manchester/Biphase		RS-232/RS-422/RS-485/Manchester/Biphase	
Data Rate	DC to 115.2kbps		DC to 115.2kbps		DC to 115.2kbps		DC to 115.2kbps	
Bit Error Rate	<10 ⁻⁹		<10 ⁻⁹		<10 ⁻⁹		<10 ⁻⁹	

Fiber Optics Accessories

	Chassis and Power Supply			
	1-Slot Chassis	2-Slot Chassis	3-Slot Chassis	4-Slot Chassis
Model	N3910-1S	N3910-2S	N3910-3S	N3910-4S
Product Picture				

	Chassis and Power Supply		
	6-Slot Chassis	18-Slot Sub-Rack	Power Supply
Model	N3910-6W1	N3910-18S	N3920
Product Picture			

	Contact Closure Converter
Function	4 C.C.<> to D<>, 8 C.C.> to D<>
Model	N3952
Product Picture	
Number of Contact Closures Channels	4/8
Response Time	8ms (Active low)

Specialized Product Family



Specialized Product Family

	Explosion-proof PTZ Camera System	
Model	V1631-23A	V1631-36A
Product Picture		
Optical/Digital Zoom	23X optical and 12X digital	36X optical and 12X digital
Image Sensor	1/4" Progressive scanning CCD	1/4" Progressive scanning CCD
Scanning System	2:1 Interlace Scanning	2:1 Interlace Scanning
Effective Pixels (H x V)	PAL/440K:752x582	PAL/440K:752x582; NTSC/380K:768x494
Horizontal Resolution	540 TVL	550 TVL
Aperture/Focal Length	F1.6~F3.7; f=3.6~82.8mm	F1.6 ~ F4.5; f=3.4~122.4mm
Angle of View	54° (Wide)/2.5° (Tele)	57.8° (Wide)/1.7° (Tele)
Minimum Work Distance	0.01m (Wide) ~1.0m (Tele)	0.32 m (Wide) ~1.5m (Tele)
Sensitivity	Color Mode: 0.02 lux @F1.6 (30 IRE.AGC max.PAL: 1/50s, NTSC:1/60s) 0.01 lux @F1.6 (30 IRE.AGC max.PAL: 1/3s, NTSC:1/4s) B/W Mode: 0.01 lux @F1.6 (30 IRE.AGC max.PAL:1/50s, NTSC:1/60s) 0.01 lux @F1.6 (30 IRE.AGC max.PAL: 1/3s, NTSC:1/4s)	Color mode: 0.66 lux @F1.6 (30 IRE, PAL: 1/50s, NTSC:1/60s) 0.01 lux @F1.6 (30 IRE, PAL: 1/3s, NTSC:1/4s) B/W mode: 0.01 lux @F1.6 (30 IRE, PAL: 1/3s, NTSC:1/4s)
Day/Night Functionality	Yes	Yes
S/N Ratio	>50dB	>50dB
Video Output	1.0±0.2Vp-p	1.0±0.2Vp-p
Backlight Compensation	ON/OFF	ON/OFF
FNR	OFF/AUTO/MANU	Yes
White Balance	AUTO/MANU	AUTO/MANU
DSS	Yes	Yes
Sync System	Internal	Internal
WDR	OFF/WDR/AD WDR/WDR*/AD WDR*	ON/OFF
Iris	Auto/Manual/M/A	Auto/Manual/M/A
Shutter Speed	Auto: Default; Manual: 1/1.5~1/30000s	Auto: Default; Manual: PAL: 1/1~1/10000s; NTSC: 1/1~1/10000s
Programmable Presets	128	128
Programmable Tours	4	4
Preset Speed	Pan: 0.1°/s~25°/s; Tilt: 0.1°/s~25°/s	Pan: 0.1°/s~25°/s; Tilt: 0.1°/s~25°/s
Pan/Tilt Travel	360°	360°
Input Voltage and Power Consumption	100~240VAC, 60W	100~240VAC, 60W
Environmental	Outdoor: -40°F~140°F (-40°C~60°C), IP68	Outdoor: -40°F~140°F (-40°C~60°C), IP68
Others	316 stainless steel, corrosion-resistant	316 stainless steel, corrosion-resistant

Specialized Product Family

	Explosion-proof Camera Housing
Model	V1421
Product Picture	
Internal Usable Dimensions (L×W×H)	2.68"×3.15"×10.24" (68 mm×80 mm×260 mm)
Input Voltage	24VAC/110VAC/230VAC, 60/50 Hz
Power Consumption	30 W (Maximum)
Construction	316 Stainless Steel
Environmental	Outdoor: -4°F~140°F (-20°C~60°C), IP66

Part Number List

Megapixel & IP Product Family

Fixed Cameras

V6202-T Series HD 1MP and 2MP Low Light IP Camera	
V6202-T0220	HD Megapixel IP fixed camera, Day/night, 1/3 inch CMOS sensor, H.264/M-JPEG, 2.0Mpx, PoE/12VDC/24VAC
V6202-T0020	HD Megapixel IP fixed camera, Day/night, 1/3 inch CMOS sensor, H.264/M-JPEG, 1.0Mpx, PoE/12VDC/24VAC
V6202IR-T Series HD 2MP IR IP Camera	
V6202IR-TA220F	HD Megapixel IR IP camera, Day/night, 1/3 inch CMOS sensor, H.264/M-JPEG, 2.0Mpx, 30m IR range, PoE/12VDC/24VAC, 4-9mm motorized zoom lens
V6202IR-TA220H	HD Megapixel IR IP camera, Day/night, 1/3 inch CMOS sensor, H.264/M-JPEG, 2.0Mpx, 50m IR range, PoE/12VDC/24VAC, 9-22mm motorized zoom lens
V6202IR-TX224F	HD Megapixel IR IP camera, Day/night, 1/3 inch CMOS sensor, H.264/M-JPEG, 2.0Mpx, 30m IR range, w/heater, 12VDC/24VAC, 4-9mm motorized zoom lens
V6202IR-TX224H	HD Megapixel IR IP camera, Day/night, 1/3 inch CMOS sensor, H.264/M-JPEG, 2.0Mpx, 50m IR range, w/heater, 12VDC/24VAC, 9-22mm motorized zoom lens

Fixed Minidome Cameras

V6812-T Series HD 1MP IP Minidome Camera	
V6812-T0020SP	HD Megapixel IP minidome camera, 3-axis, Day/night, 1/3 inch CMOS sensor, H.264/M-JPEG, 1.0Mpx, PoE, Surface mount, 2.8-12mm vari-focal lens
V6812-T0020PP	HD Megapixel IP minidome camera, 3-axis, Day/night, 1/3 inch CMOS sensor, H.264/M-JPEG, 1.0Mpx, PoE, Bracket mount, 2.8-12mm vari-focal lens
V6812-T0020RP	HD Megapixel IP minidome camera, 3-axis, Day/night, 1/3 inch CMOS sensor, H.264/M-JPEG, 1.0Mpx, PoE, Recessed ceiling mount, 2.8-12mm vari-focal lens
V6822-T Series HD 1MP and 2MP Vandal Resistant Low Light IP Minidome Camera	
V6822-T0220SF	HD Megapixel IP minidome camera, Vandal-resistant, 3-axis, Day/night, 1/3 inch CMOS sensor, H.264/M-JPEG, 2.0 Mpx, PoE/12VDC/24VAC, Surface mount, 3.0-9.0mm vari-focal lens
V6822-T0020SF	HD Megapixel IP minidome camera, Vandal-resistant, 3-axis, Day/night, 1/3 inch CMOS sensor, H.264/M-JPEG, 1.0 Mpx, PoE/12VDC/24VAC, Surface mount, 3.0-9.0mm vari-focal lens
V6822-TA Series HD 1MP and 2MP Vandal Resistant Low Light IP Minidome Camera	
V6822-TA220SF	HD Megapixel IP minidome camera, Vandal-resistant, 3-axis, Day/night, 1/3 inch CMOS sensor, H.264/M-JPEG, 2.0Mpx, PoE/12VDC/24VAC, Surface mount, 3.0-9.0mm motorized zoom lens
V6822-TA020SF	HD Megapixel IP minidome camera, Vandal-resistant, 3-axis, Day/night, 1/3 inch CMOS sensor, H.264/M-JPEG, 1.0Mpx, PoE/12VDC/24VAC, Surface mount, 3.0-9.0mm motorized zoom lens
V6822IR-TA Series HD 2MP Vandal Resistant IR IP Minidome Camera	
V6822IR-TA220SF	HD Megapixel IR IP minidome camera, Vandal-resistant, 3-axis, Day/night, 1/3 inch CMOS sensor, H.264/M-JPEG, 2.0 Mpx, 20m IR range, PoE/12VDC/24VAC, Surface mount, 3.0-9.0mm motorized zoom lens

V1772N-20T2N4C3H	Megapixel IP PTZ dome, 20X optical zoom, Day/night, 1/2.8 inch CMOS, H.264/M-JPEG, NTSC/PAL, 2.0Mpx, Vandal-resistant, Smoked bubble, Indoor recessed ceiling mount, 24VDC/24VAC
V1772N-30T0N3B3H	Megapixel IP PTZ dome, 30X optical zoom, Day/night, 1/3 inch CCD, H.264/M-JPEG, NTSC/PAL, 1.0Mpx, Vandal-resistant, Clear bubble, Indoor bracket mount, 24VDC/24VAC
V1772N-30T0N4B3H	Megapixel IP PTZ dome, 30X optical zoom, Day/night, 1/3 inch CCD, H.264/M-JPEG, NTSC/PAL, 1.0Mpx, Vandal-resistant, Smoked bubble, Indoor bracket mount, 24VDC/24VAC
V1772N-30T0U3B3H	Megapixel IP PTZ dome, 30X optical zoom, Day/night, 1/3 inch CCD, H.264/M-JPEG, NTSC/PAL, 1.0Mpx, Vandal-resistant, Clear bubble, Outdoor bracket mount, 24VDC/24VAC
V1772N-30T0U4B3H	Megapixel IP PTZ dome, 30X optical zoom, Day/night, 1/3 inch CCD, H.264/M-JPEG, NTSC/PAL, 1.0Mpx, Vandal-resistant, Smoked bubble, Outdoor bracket mount, 24VDC/24VAC
V1772N-30T0N3C3H	Megapixel IP PTZ dome, 30X optical zoom, Day/night, 1/3 inch CCD, H.264/M-JPEG, NTSC/PAL, 1.0Mpx, Vandal-resistant, Clear bubble, Indoor recessed ceiling mount, 24VDC/24VAC
V1772N-30T0N4C3H	Megapixel IP PTZ dome, 30X optical zoom, Day/night, 1/3 inch CCD, H.264/M-JPEG, NTSC/PAL, 1.0Mpx, Vandal-resistant, Smoked bubble, Indoor recessed ceiling mount, 24VDC/24VAC
V1772N-30T2N3B3S	Megapixel IP PTZ dome, 30X optical zoom, Day/night, 1/2.8 inch CMOS, H.264/M-JPEG, NTSC/PAL, 2.0Mpx, Vandal-resistant, Clear bubble, Indoor bracket mount, 24VDC/24VAC
V1772N-30T2N4B3S	Megapixel IP PTZ dome, 30X optical zoom, Day/night, 1/2.8 inch CMOS, H.264/M-JPEG, NTSC/PAL, 2.0Mpx, Vandal-resistant, Smoked bubble, Indoor bracket mount, 24VDC/24VAC
V1772N-30T2U3B3S	Megapixel IP PTZ dome, 30X optical zoom, Day/night, 1/2.8 inch CMOS, H.264/M-JPEG, NTSC/PAL, 2.0Mpx, Vandal-resistant, Clear bubble, Outdoor bracket mount, 24VDC/24VAC
V1772N-30T2U4B3S	Megapixel IP PTZ dome, 30X optical zoom, Day/night, 1/2.8 inch CMOS, H.264/M-JPEG, NTSC/PAL, 2.0Mpx, Vandal-resistant, Smoked bubble, Outdoor bracket mount, 24VDC/24VAC
V1772N-30T2N3C3S	Megapixel IP PTZ dome, 30X optical zoom, Day/night, 1/2.8 inch CMOS, H.264/M-JPEG, NTSC/PAL, 2.0Mpx, Vandal-resistant, Clear bubble, Indoor recessed ceiling mount, 24VDC/24VAC
V1772N-30T2N4C3S	Megapixel IP PTZ dome, 30X optical zoom, Day/night, 1/2.8 inch CMOS, H.264/M-JPEG, NTSC/PAL, 2.0Mpx, Vandal-resistant, Smoked bubble, Indoor recessed ceiling mount, 24VDC/24VAC

Integrated PTZ Camera System

V1492N-N Series Integrated High-speed IP PTZ Camera System

V1492N-36N05	Integrated High-speed IP PTZ Camera System (H.264/M-JPEG Format, NTSC, 36X, 24VDC)
V1492N-36N06	Integrated High-speed IP PTZ Camera System (H.264/M-JPEG Format, NTSC, 36X, 24VAC)
V1492N-36N15	Integrated High-speed IP PTZ Camera System (H.264/M-JPEG Format, PAL, 36X, 24VDC)
V1492N-36N16	Integrated High-speed IP PTZ Camera System (H.264/M-JPEG Format, PAL, 36X, 24VAC)

V1492MP-T Series HD 1MP and 2MP Integrated High-speed IP PTZ Camera System

V1492MP-18T05HE	HD 1MP Integrated high-speed IP PTZ Camera System (18X optical zoom, day/night, 1/3-inch progressive scan CCD, H.264/MJPEG, NTSC/PAL, 24VDC)
V1492MP-30T05HE	HD 1MP Integrated high-speed IP PTZ Camera System (30X optical zoom, day/night, 1/3-inch progressive scan CCD, H.264/MJPEG, NTSC/PAL, 24VDC)
V1492MP-20T25HE	HD 2MP Integrated high-speed IP PTZ Camera System (20X optical zoom, day/night, 1/2.8-inch progressive scan CMOS, H.264/MJPEG, NTSC/PAL, 24VDC)
V1492MP-30T25SE	HD 2MP Integrated high-speed IP PTZ Camera System (30X optical zoom, day/night, 1/2.8-inch progressive scan CMOS, H.264/MJPEG, NTSC/PAL, 24VDC)

V1492MR-G Series HD 1MP and 2MP Integrated IP PTZ Camera with IR Illuminator

V1492MR-18G05HE	HD 1MP IP Integrated PTZ Camera System with IR Illuminator, 18X optical zoom, Day/night, 1/3-inch CCD, H.264/M-JPEG, NTSC/PAL, 24VDC
V1492MR-20G25HE	HD 2MP IP Integrated PTZ Camera System with IR Illuminator, 20X optical zoom, Day/night, 1/2.8-inch CMOS, H.264/M-JPEG, NTSC/PAL, 24VDC

Video Encoders and Decoders

V2511-K Series IP Video Encoder

V2511-K4D0	IP video encoder module, H.264/MJPEG, 4 video in, 4CIF resolution, PoE/12VDC/24VAC
V2511-K4D	IP video encoder card, H.264/MJPEG, 4 video in, 4CIF

V2521-N Series IP Video Decoder

V2521-N1D0	IP video decoder module, MPEG-4/H.264, 1 video output, D1 resolution, PoE/12VDC/24VAC
V2521-N1D	IP video decoder card, MPEG-4/H.264, 1 video output, D1 resolution

V2524-X Series HD Video Decoder

V2524-X1H4	Embedded Video Decoder, 1V out; 12VDC/24VAC
V2524-X1H	Embedded Video Decoding Card

Network Video Management Software

V2216 Series Network Video Management Software

V2216-P	V2216 Professional version, supports up to 128 video inputs
V2216-E	V2216 Enterprise version, supports up to 9999 video inputs

Analog Product Family

Fixed Cameras

V5111-A2 & V5112-A2 Series Electronic Day/Night & Day/Night Camera

V5111-A2004	Analog fixed camera, 1/3 inch CCD, Electronic day/night, 480TVL, NTSC, 12VDC/24VAC
V5111-A2014	Analog fixed camera, 1/3 inch CCD, Electronic day/night, 480TVL, PAL, 12VDC/24VAC
V5112-A2004	Analog fixed camera, 1/3 inch CCD, Day/night, 480TVL, NTSC, 12VDC/24VAC
V5112-A2014	Analog fixed camera, 1/3 inch CCD, Day/night, 480TVL, PAL, 12VDC/24VAC

V5121-A7 & V5122-A7 Series High-performance Electronic Day/Night & Day/Night Camera

V5121-A7104	Analog fixed camera, 1/3 inch CCD, Electronic day/night, OSD, 700TVL, NTSC, 12VDC/24VAC
V5121-A7114	Analog fixed camera, 1/3 inch CCD, Electronic day/night, OSD, 700TVL, PAL, 12VDC/24VAC
V5122-A7104	Analog fixed camera, 1/3 inch CCD, Day/night, OSD, 700TVL, NTSC, 12VDC/24VAC
V5122-A7114	Analog fixed camera, 1/3 inch CCD, Day/night, OSD, 700TVL, PAL, 12VDC/24VAC

V5131-A7 & V5132-A7 Series Mini High-resolution Electronic Day/Night & Day/Night Camera

V5131-A7104	Mini analog fixed camera, 1/3 inch CCD, Electronic day/night, OSD, 700TVL, NTSC, 12VDC/24VAC
V5131-A7114	Mini analog fixed camera, 1/3 inch CCD, Electronic day/night, OSD, 700TVL, PAL, 12VDC/24VAC
V5132-A7104	Mini analog fixed camera, 1/3 inch CCD, Day/night, OSD, 700TVL, NTSC, 12VDC/24VAC
V5132-A7114	Mini analog fixed camera, 1/3 inch CCD, Day/night, OSD, 700TVL, PAL, 12VDC/24VAC

V5134-A7 Series Mini High-resolution WDR Day/Night Camera

V5134-A7104	Mini analog WDR fixed camera, 1/3 inch CCD, Day/night, OSD, 700TVL, NTSC, 12VDC/24VAC
V5134-A7114	Mini analog WDR fixed camera, 1/3 inch CCD, Day/night, OSD, 700TVL, PAL, 12VDC/24VAC

Fixed Minidome Cameras

V5410-A2 Series Indoor Electronic Day/Night Fixed Minidome Camera

V5410-A2014SK	Analog minidome camera, 2-axis, Indoor, 1/3 inch CCD, Electronic day/night, 480TVL, PAL, 12VDC/24VAC, Surface mount, 4.0~9.0mm vari-focal lens
---------------	--

V5411-A2 Series Indoor Color Fixed Minidome Camera

V5411-A2004ST	Analog minidome camera, 2-axis, Indoor, 1/3 inch CCD, Color only, 480TVL, NTSC, 12VDC/24VAC, Surface mount, 2.8mm fixed lens
V5411-A2004SU	Analog minidome camera, 2-axis, Indoor, 1/3 inch CCD, Color only, 480TVL, NTSC, 12VDC/24VAC, Surface mount, 3.6mm fixed lens
V5411-A2004SW	Analog minidome camera, 2-axis, Indoor, 1/3 inch CCD, Color only, 480TVL, NTSC, 12VDC/24VAC, Surface mount, 6mm fixed lens
V5411-A2004SX	Analog minidome camera, 2-axis, Indoor, 1/3 inch CCD, Color only, 480TVL, NTSC, 12VDC/24VAC, Surface mount, 8mm fixed lens
V5411-A2004SB	Analog minidome camera, 2-axis, Indoor, 1/3 inch CCD, Color only, 480TVL, NTSC, 12VDC/24VAC, Surface mount, 2.5-6mm vari-focal lens
V5411-A2014ST	Analog minidome camera, 2-axis, Indoor, 1/3 inch CCD, Color only, 480TVL, PAL, 12VDC/24VAC, Surface mount, 2.8mm fixed lens
V5411-A2014SU	Analog minidome camera, 2-axis, Indoor, 1/3 inch CCD, Color only, 480TVL, PAL, 12VDC/24VAC, Surface mount, 3.6mm fixed lens
V5411-A2014SW	Analog minidome camera, 2-axis, Indoor, 1/3 inch CCD, Color only, 480TVL, PAL, 12VDC/24VAC, Surface mount, 6mm fixed lens
V5411-A2014SX	Analog minidome camera, 2-axis, Indoor, 1/3 inch CCD, Color only, 480TVL, PAL, 12VDC/24VAC, Surface mount, 8mm fixed lens
V5411-A2014SB	Analog minidome camera, 2-axis, Indoor, 1/3 inch CCD, Color only, 480TVL, PAL, 12VDC/24VAC, Surface mount, 2.5-6mm vari-focal lens

V5412-A7 Series Indoor Day/Night Fixed Minidome Camera

V5412-A7004SB	Analog minidome camera, 2-axis, Indoor, 1/3 inch CCD, Day/night, 700TVL, NTSC, 12VDC/24VAC, Surface mount, 2.5-6mm vari-focal lens
V5412-A7014SB	Analog minidome camera, 2-axis, Indoor, 1/3 inch CCD, Day/night, 700TVL, PAL, 12VDC/24VAC, Surface mount, 2.5-6mm vari-focal lens
V5412-A7004SE	Analog minidome camera, 2-axis, Indoor, 1/3 inch CCD, Day/night, 700TVL, NTSC, 12VDC/24VAC, Surface mount, 3.3-12mm vari-focal lens
V5412-A7014SE	Analog minidome camera, 2-axis, Indoor, 1/3 inch CCD, Day/night, 700TVL, PAL, 12VDC/24VAC, Surface mount, 3.3-12mm vari-focal lens

V5412-A7 Series Indoor Day/Night Fixed Minidome Camera

V5412-A7004SB	Analog minidome camera, 2-axis, Indoor, 1/3 inch CCD, Day/night, 700TVL, NTSC, 12VDC/24VAC, Surface mount, 2.5-6mm vari-focal lens
V5412-A7014SB	Analog minidome camera, 2-axis, Indoor, 1/3 inch CCD, Day/night, 700TVL, PAL, 12VDC/24VAC, Surface mount, 2.5-6mm vari-focal lens
V5412-A7004SE	Analog minidome camera, 2-axis, Indoor, 1/3 inch CCD, Day/night, 700TVL, NTSC, 12VDC/24VAC, Surface mount, 3.3-12mm vari-focal lens
V5412-A7014SE	Analog minidome camera, 2-axis, Indoor, 1/3 inch CCD, Day/night, 700TVL, PAL, 12VDC/24VAC, Surface mount, 3.3-12mm vari-focal lens

V5821-A7 & V5822-A7 Series Vandal Resistant Electronic Day/Night & Day/Night Fixed Minidome Camera

V5821-A7004SE	Analog minidome camera, 1/3 inch CCD, Vandal-resistant, 3-axis, Electronic day/night, 700TVL, NTSC, 12VDC/24VAC, Surface mount, 3.3-12mm vari-focal lens
V5821-A7014SE	Analog minidome camera, 1/3 inch CCD, Vandal-resistant, 3-axis, Electronic day/night, 700TVL, PAL, 12VDC/24VAC, Surface mount, 3.3-12mm vari-focal lens
V5822-A7004SB	Analog minidome camera, 1/3 inch CCD, Vandal-resistant, 3-axis, Day/night, 700TVL, NTSC, 12VDC/24VAC, Surface mount, 2.5-6mm vari-focal lens
V5822-A7004SE	Analog minidome camera, 1/3 inch CCD, Vandal-resistant, 3-axis, Day/night, 700TVL, NTSC, 12VDC/24VAC, Surface mount, 3.3-12mm vari-focal lens
V5822-A7004RB	Analog minidome camera, 1/3 inch CCD, Vandal-resistant, 3-axis, Day/night, 700TVL, NTSC, 12VDC/24VAC, Recessed mount, 2.5-6mm vari-focal lens
V5822-A7004RE	Analog minidome camera, 1/3 inch CCD, Vandal-resistant, 3-axis, Day/night, 700TVL, NTSC, 12VDC/24VAC, Recessed mount, 3.3-12mm vari-focal lens
V5822-A7014SB	Analog minidome camera, 1/3 inch CCD, Vandal-resistant, 3-axis, Day/night, 700TVL, PAL, 12VDC/24VAC, Surface mount, 2.5-6mm vari-focal lens
V5822-A7014SE	Analog minidome camera, 1/3 inch CCD, Vandal-resistant, 3-axis, Day/night, 700TVL, PAL, 12VDC/24VAC, Surface mount, 3.3-12mm vari-focal lens
V5822-A7014RB	Analog minidome camera, 1/3 inch CCD, Vandal-resistant, 3-axis, Day/night, 700TVL, PAL, 12VDC/24VAC, Recessed mount, 2.5-6mm vari-focal lens
V5822-A7014RE	Analog minidome camera, 1/3 inch CCD, Vandal-resistant, 3-axis, Day/night, 700TVL, PAL, 12VDC/24VAC, Recessed mount, 3.3-12mm vari-focal lens

V5822IR-A3 Series Vandal Resistant IR Minidome Camera

V5822IR-A3004SE	IR minidome camera, 1/3 inch CCD, Vandal-resistant, 3-axis, Day/night, 520TVL, NTSC, 12VDC/24VAC, Surface mount, 3.3-12mm vari-focal lens
V5822IR-A3014SE	IR minidome camera, 1/3 inch CCD, Vandal-resistant, 3-axis, Day/night, 520TVL, PAL, 12VDC/24VAC, Surface mount, 3.3-12mm vari-focal lens

Integrated PTZ Camera System

V1492 Series Integrated High-speed PTZ Camera System

V1492-23A05	Integrated High-speed PTZ Camera System (23X, Day/night, NTSC, 24VDC)
V1492-36A05	Integrated High-speed PTZ Camera System (36X, Day/night, NTSC, 24VDC)
V1492-23A06	Integrated High-speed PTZ Camera System (23X, Day/night, NTSC, 24VAC)
V1492-36A06	Integrated High-speed PTZ Camera System (36X, Day/night, NTSC, 24VAC)
V1492-23A07	Integrated High-speed PTZ Camera System (23X, Day/night, NTSC, 110VAC)
V1492-36A07	Integrated High-speed PTZ Camera System (36X, Day/night, NTSC, 110VAC)
V1492-23A15	Integrated High-speed PTZ Camera System (23X, Day/night, PAL, 24VDC)
V1492-36A15	Integrated High-speed PTZ Camera System (36X, Day/night, PAL, 24VDC)
V1492-23A16	Integrated High-speed PTZ Camera System (23X, Day/night, PAL, 24VAC)
V1492-36A16	Integrated High-speed PTZ Camera System (36X, Day/night, PAL, 24VAC)
V1492-23A18	Integrated High-speed PTZ Camera System (23X, Day/night, PAL, 230VAC)
V1492-36A18	Integrated High-speed PTZ Camera System (36X, Day/night, PAL, 230VAC)

V1492IR-1 Series Integrated High-speed PTZ Camera System with IR Illuminator

V1492IR-23A05-1	Analog Integrated High-speed PTZ Camera System with IR Illuminator, 23X optical zoom, Day/night, NTSC, 24VDC
V1492IR-36A05-1	Analog Integrated High-speed PTZ Camera System with IR Illuminator, 36X optical zoom, Day/night, NTSC, 24VDC
V1492IR-23A06-1	Analog Integrated High-speed PTZ Camera System with IR Illuminator, 23X optical zoom, Day/night, NTSC, 24VAC
V1492IR-36A06-1	Analog Integrated High-speed PTZ Camera System with IR Illuminator, 36X optical zoom, Day/night, NTSC, 24VAC
V1492IR-23A07-1	Analog Integrated High-speed PTZ Camera System with IR Illuminator, 23X optical zoom, Day/night, NTSC, 110VAC
V1492IR-36A07-1	Analog Integrated High-speed PTZ Camera System with IR Illuminator, 36X optical zoom, Day/night, NTSC, 110VAC
V1492IR-23A15-1	Analog Integrated High-speed PTZ Camera System with IR Illuminator, 23X optical zoom, Day/night, PAL, 24VDC
V1492IR-36A15-1	Analog Integrated High-speed PTZ Camera System with IR Illuminator, 36X optical zoom, Day/night, PAL, 24VDC
V1492IR-23A16-1	Analog Integrated High-speed PTZ Camera System with IR Illuminator, 23X optical zoom, Day/night, PAL, 24VAC
V1492IR-36A16-1	Analog Integrated High-speed PTZ Camera System with IR Illuminator, 36X optical zoom, Day/night, PAL, 24VAC
V1492IR-23A18-1	Analog Integrated High-speed PTZ Camera System with IR Illuminator, 23X optical zoom, Day/night, PAL, 230VAC
V1492IR-36A18-1	Analog Integrated High-speed PTZ Camera System with IR Illuminator, 36X optical zoom, Day/night, PAL, 230VAC

PTZ Dome Cameras

V1730A Series Indoor/Outdoor Mini PTZ Dome Camera

V1731A-C0C3B3	Bracket Mount, 24VAC/24VDC, Indoor, Vandal-Resistant Clear, 10X Optical Zoom, NTSC, 530TVL, Color Only
V1731A-C0S3B3	Bracket Mount, 24VAC/24VDC, Indoor, Vandal-Resistant Smoked, 10X Optical Zoom, NTSC, 530TVL, Color Only
V1731A-C0C3C3	Ceiling Mount, 24VAC/24VDC, Indoor, Vandal-Resistant Clear, 10X Optical Zoom, NTSC, 530TVL, Color Only
V1731A-C0S3C3	Ceiling Mount, 24VAC/24VDC, Indoor, Vandal-Resistant Smoked, 10X Optical Zoom, NTSC, 530TVL, Color Only
V1731A-C0C3S3	Surface Mount, 24VAC/24VDC, Indoor, Vandal-Resistant Clear, 10X Optical Zoom, NTSC, 530TVL, Color Only
V1731A-C0S3S3	Surface Mount, 24VAC/24VDC, Indoor, Vandal-Resistant Smoked, 10X Optical Zoom, NTSC, 530TVL, Color Only
V1731A-C0C3B5	Bracket Mount, 12VDC, Indoor, Vandal-Resistant Clear, 10X Optical Zoom, NTSC, 530TVL, Color Only
V1731A-C0S3B5	Bracket Mount, 12VDC, Indoor, Vandal-Resistant Smoked, 10X Optical Zoom, NTSC, 530TVL, Color Only
V1731A-C0C3C5	Ceiling Mount, 12VDC, Indoor, Vandal-Resistant Clear, 10X Optical Zoom, NTSC, 530TVL, Color Only
V1731A-C0S3C5	Ceiling Mount, 12VDC, Indoor, Vandal-Resistant Smoked, 10X Optical Zoom, NTSC, 530TVL, Color Only
V1731A-C0C3S5	Surface Mount, 12VDC, Indoor, Vandal-Resistant Clear, 10X Optical Zoom, NTSC, 530TVL, Color Only
V1731A-C0S3S5	Surface Mount, 12VDC, Indoor, Vandal-Resistant Smoked, 10X Optical Zoom, NTSC, 530TVL, Color Only

Camera Accessories

Lenses

V1112 Series IR Fixed-Focal 1/3" Lenses w/DC Auto Iris

V1112-4	Lens, IR correction, f=4.0mm, F/1.2, DC auto iris, 1/3 inch, CS
V1112-8	Lens, IR correction, f=8.0mm, F/1.2, DC auto iris, 1/3 inch, CS

V1122 Series Vari-Focal 1/3" Lenses w/DC Auto Iris

V1122-308	Lens, f=3.0-8mm, F/1.0, DC auto iris, 1/3 inch, CS
V1122-2812	Lens, f=2.8-12mm, F/1.4, DC auto iris, 1/3 inch, CS
V1122-550	Lens, f=5-50mm, F/1.4, DC auto iris, 1/3 inch, CS

V1132 Series IR Vari-Focal 1/3" Lenses w/DC Auto Iris

V1132-3085	Lens, IR correction, f=3.0-8.5mm, F/1.0, DC auto iris, 1/3 inch, CS, Aspherical
V1132-2812	Lens, IR correction, f=2.8-12mm, F/1.2, DC auto iris, 1/3 inch, CS, Aspherical
V1132-7550	Lens, IR correction, f=7.5-50mm, F/1.3, DC auto iris, 1/3 inch, CS, Aspherical

V1162 Series Motorized Zoom 1/3" Lenses w/DC Auto Iris

V1162-6x10	Motorized zoom Lens, f=6-60mm, F/1.4, DC auto iris, 1/3 inch, CS
------------	--

V1182-3108R Series HD 3MP IR Vari-Focal 1/2.7" Lenses w/DC Auto Iris

V1182-3108R	Lens, 3 Mega pixels, IR correction f=3.1-8mm, F/1.2, DC auto iris, 1/2.7 inch, CS, Aspherical
-------------	---

V1182-1250R Series HD 3MP IR Vari-Focal 1/2.7" Lenses w/DC Auto Iris

V1182-1250R	Lens, 3 Mega pixels, IR correction, f=12.5-50mm, F/1.4, DC auto iris, 1/2.7 inch, CS, Aspherical
-------------	--

IR Illuminators

V1283 Series IR Illuminators

V1283-100-1	IR Illuminator, 100 m (328 feet), LED, 18 deg., 850 nm, 12 VDC
-------------	--

Camera Housings & Mounts

V1405 Series Indoor/Outdoor Mini Camera Housing

V1405-7	Camera housing, indoor/outdoor, 7 inch internal
V1405-7S	Camera housing, indoor/outdoor, 7 inch internal, w/ sun shield
V1405-7SH	Camera housing, indoor/outdoor, 7 inch internal, w/ sun shield & heater, 24VAC
V1405-10	Camera housing, indoor/outdoor, 10 inch internal
V1405-10S	Camera housing, indoor/outdoor, 10 inch internal, w/ sun shield
V1405-10SH	Camera housing, indoor/outdoor, 10 inch internal, w/ sun shield & heater, 24VAC

V1406 Series Indoor/Outdoor Medium Camera Housing

V1406-11	Camera housing, indoor/outdoor, 11 inch internal, pneumatic supporting lid
V1406-11S	Camera housing, indoor/outdoor, 11 inch internal, pneumatic supporting lid, w/ sun shield
V1406-11SHB	Camera housing, indoor/outdoor, 11 inch internal, pneumatic supporting lid, w/ sun shield, heater & blower, 24VAC
V1406W	Wiper for V1406 camera housing, 24VAC

V1407 Series Indoor/Outdoor Large Camera Housing

V1407-16	Camera housing, indoor/outdoor, 16 inch internal, pneumatic supporting lid
V1407-16S	Camera housing, indoor/outdoor, 16 inch internal, pneumatic supporting lid, w/ sun shield
V1407-16SHB	Camera housing, indoor/outdoor, 16 inch internal, pneumatic supporting lid, w/ sun shield, heater & blower, 24VAC
V1407-22	Camera housing, indoor/outdoor, 22 inch internal, pneumatic supporting lid
V1407-22S	Camera housing, indoor/outdoor, 22 inch internal, pneumatic supporting lid, w/ sun shield
V1407-22SHB	Camera housing, indoor/outdoor, 22 inch internal, pneumatic supporting lid, w/ sun shield, heater & blower, 24VAC
V1407W	Wiper for V1407 camera housing, 24VAC

V1570 Series Housing Mounts

V1571-W	Wall Mount, H/V adjustable for housing (V1405), 33.07 lbs. (15 kg) load
V1572-W	Wall Mount, Non-Adjustable for housing (V1405, V1406, V1407), 121.25 lbs. (55 kg) load
V1573	Mount Adapter, Adds H/V adjustability to V1572-W Wall Mount for housing (V1405, V1406, V1407), 44.09 lbs (20 kg) load
V1574A	Pole Mount adapter for V1571-W
V1574B	Pole Mount adapter for V1572-W

V1760 Series Indoor/Outdoor Dome Mounts

V1761	Wall Mount, 10" horizontal, 1.5" NPT
V1761L	Wall Mount, 17" horizontal, 1.5" NPT
V1762	Corner Mount, 10" horizontal, 1.5" NPT
V1763	Pole Mount, 10" horizontal, 1.5" NPT
V1764	Pendant Mount, 15" long vertical, 1.5" NPT, Indoor mount
V1764A	Pendant Mount, 15" long vertical, 1.5" NPT, outdoor mount, side opening for wiring
V1764B	Pendant Mount, 15" long vertical, 1.5" NPT, outdoor mount, top opening for wiring
V1765	Parapet Mount, 12" horizontal, vertical attachment, 1.5" NPT
V1765A	Parapet Mount, V1765 horizontal attachment adapter
V1766	Indoor Drop Ceiling Panel, 2' x 2', pre-cut
V1760D	Desktop Demo Stand, 1.5" NPT
V1761S	Wall Mount, Stainless Steel (only for V1750A pressurized domes)
V1762S	Corner Mount, Stainless Steel (only for V1750A pressurized domes)
V1763S	Pole Mount, Stainless Steel (only for V1750A pressurized domes)
V1761MS	Wall Mount, 6" horizontal (only for mini domes)
V1762MS	Corner Mount, 6" horizontal (only for mini domes)
V1763MS	Pole Mount, 6" horizontal (only for mini domes)

Control Room Product Family

Monitors

V1362 Series LCD Monitors

V1362S-17E-2	LCD Monitor, 17 inch, 600TVL, VGA/HDMI/BNC input, BNC output
V1362S-19E-2	LCD Monitor, 19 inch, 600TVL, VGA/HDMI/BNC input, BNC output
V1362S-17	LCD Monitor, 17 inch, 1280×1024, NTSC/PAL/SXGA
V1362S-19	LCD Monitor, 19 inch, 1280×1024, NTSC/PAL/SXGA

TCP/IP Networkable Video Matrix Switchers

V2011A Series Small Matrix Switching/Control System

V2011A-16x5	Small matrix switching/control system, 16 video inputs and 5 video outputs, English menu, 100~240VAC self-adaptive, Ethernet networkable, NTSC
V2011A-16Lx5	Small matrix switching/control system, 16 video inputs and 5 video outputs, video looping output, English menu, 100~240VAC self-adaptive, Ethernet networkable, NTSC
V2011A-32x8	Small matrix switching/control system, 32 video inputs and 8 video outputs, English menu, 100~240VAC self-adaptive, Ethernet networkable, NTSC
V2011A-32Lx8	Small matrix switching/control system, 32 video inputs and 8 video outputs, video looping output, English menu, 100~240VAC self- adaptive, Ethernet networkable, NTSC

V2015A Series Small Matrix Switching/Control System

V2015A-YY×ZZ	Small matrix switching/control system, English menu, 100~240VAC self-adaptive, Ethernet networkable, NTSC
V2015AX-YY×ZZ	Small matrix switching/control system, English menu, 100~240VAC self-adaptive, Ethernet networkable, PAL

V2020A Series Medium Matrix Switching/Control System

V2020A-YYY×ZZ	Medium matrix switching/control system, English menu, 100~240VAC self-adaptive, Ethernet networkable, NTSC
V2020AX-YYY×ZZ	Medium matrix switching/control system, English menu, 100~240VAC self-adaptive, Ethernet networkable, PAL

V2040A Series Large Matrix Switching/Control System

V2040A-YYYY×ZZZ	Large matrix switching/control system, English menu, 100~240VAC self-adaptive, Ethernet networkable, NTSC
V2040AX- YYYY×ZZZ	Large matrix switching/control system, English menu, 100~240VAC self-adaptive, Ethernet networkable, PAL

V2923ACN Series External CPU for V2040A Matrix Switcher

V2923ACN	External CPU module, ARM9 microprocessor technology, 100~240VAC self adaptive
----------	---

V2924AHS Series Matrix Hot Switch for Dual CPU Operation

V2924AHS	Stand alone hot switch for dual CPU operation, 100~240VAC self adaptive (The CPUs should be purchased otherwise)
----------	--

Keyboards/Controllers

V2125 Series Multi-purpose, Programmable System Keyboard with Touchable LCD

V2125	System keyboard, 7.0" LCD screen, 3-D joystick, DVR control by shuttle keys, RS-422/485/Manchester code output, Ethernet/RS-232 communication, 12VDC
-------	--

V2117 Series Multi-purpose, Programmable System Keyboard

V2117	Keyboard, Matrix / Dome / DVR control, LCD display, 3-D Joystick, RS-485 / Manchester / Ethernet / RS-232 ports, 120 VAC/ 60 Hz
V2117X	Keyboard, Matrix / Dome / DVR control, LCD display, 3-D Joystick, RS-485 / Manchester / Ethernet / RS-232 ports, 230 VAC/ 50 Hz

V2111 Series PTZ Dome/DVR Controller Keyboard

V2111	Keyboard, Dome/DVR Controller, LCD display, Joystick, RS-485 / Manchester ports, 120VAC/60Hz
V2111X	Keyboard, Dome/DVR Controller, LCD display, Joystick, RS-485 / Manchester ports, 230VAC/50Hz

V2110 Series Operator Control Keyboard

V2110	Keyboard, Matrix Operator, Joystick, RS-232 port, 120VAC
V2110X	Keyboard, Matrix Operator, Joystick, RS-232 port, 230VAC

V2109 Series Dome Controller Keyboard

V2109	Keyboard, Dome Controller with LCD display, 3-D joystick and RS-485/Manchester code output, 120V/60Hz
V2109X	Keyboard, Dome Controller with LCD display, 3-D joystick and RS-485/Manchester code output, 230V/50Hz

V2215-J1 Series USB Desktop Controller

V2215-J1	USB Desktop Controller for Infinova PTZ and IP PTZ dome cameras
----------	---

CCTV Accessories

V2401 Series Video Distribution Amplifier

V2401-4	Video distribution amplifier, 1 V In, 4 V Out, 120VAC/60Hz
V2401-16	Video distribution amplifier, 1 V In, 16 V Out, 120VAC/60Hz
V2401-4X	Video distribution amplifier, 1 V In, 4 V Out, 230VAC/50Hz
V2401-16X	Video distribution amplifier, 1 V In, 16 V Out, 230VAC/50Hz

V2403 Series Video Looping Amplifier

2403-4	Video looping panel with amplifier, 1 set of 4V In, 8 sets of 4V Out, 100~240 VAC
2403-8	Video looping panel with amplifier, 1 set of 8V In, 4 sets of 8V Out, 100~240 VAC
V2403-16	Video looping panel with amplifier, 1 set of 16 V In, 2 sets of 16 V Out, 100~240 VAC

V2405A-4 Series RS-232 Data Port Expander

V2405A-4	Communication port expander, 1 RS-232 In, 4 RS-232 Out, 100~240VAC self-adoptive
----------	--

V2410 Series RS-485 Code Distributor

V2410	Code Distributor, RS-422 / RS-485, 1 V In, 16 V Out, uni-directional, 120VAC/60Hz
V2410X	Code Distributor, RS-422 / RS-485, 1 V In, 16 V Out, uni-directional, 230VAC/50Hz

V2411 Series Code Converter/Distributor

V2411	Code converter/distributor, high speed data line (HSDL) input, 16 Infinova RS-485 outputs, 100~240VAC, 60/50Hz
V2411U	Code converter/distributor, high speed data line (HSDL) input, 16 Multi-protocol RS-485 outputs, 100~240VAC, 60/50Hz

V2413 Series Multi-protocol Data Merger/Code Distributor

V2413A	Code/data merger/distributor, multiple protocols input, 16 RS-485 or 8 RS-422 outputs, 100~240VAC self-adaptive
V2413MA	Code/data merger/distributor, multiple protocols input, 16 Manchester/Biphase outputs, 100~240VAC self-adaptive

V2414 Series Up-The-Coax Code Converter

V2414	Code converter/distributor, Manchester, HSDL and RS-485 Input, 16 Up-The-Coax protocol outputs (compatible with Coaxitron), 120VAC
V2414X	Code converter/distributor, Manchester, HSDL and RS-485 Input, 16 Up-The-Coax protocol outputs (compatible with Coaxitron), 230VAC

V3061A-16-1000	InfiNet DVR, full 4CIF, No DVD writer,16 Ch. analog video IN w/looping OUT,16 Ch audio IN, RCS, 1TB
V3061A-16-2000	InfiNet DVR, full 4CIF, No DVD writer,16 Ch. analog video IN w/looping OUT,16 Ch audio IN, RCS, 2TB
V3061A-16-3000	InfiNet DVR, full 4CIF, No DVD writer,16 Ch. analog video IN w/looping OUT,16 Ch audio IN, RCS, 3TB
V3061A-16-4000	InfiNet DVR, full 4CIF, No DVD writer,16 Ch. analog video IN w/looping OUT,16 Ch audio IN, RCS, 4TB
V3061A-16-5000	InfiNet DVR, full 4CIF, No DVD writer,16 Ch. analog video IN w/looping OUT,16 Ch audio IN, RCS, 5TB
V3061A-16-6000	InfiNet DVR, full 4CIF, No DVD writer,16 Ch. analog video IN w/looping OUT,16 Ch audio IN, RCS, 6TB
V3061A-16-7000	InfiNet DVR, full 4CIF, No DVD writer,16 Ch. analog video IN w/looping OUT,16 Ch audio IN, RCS, 7TB
V3061A-16-8000	InfiNet DVR, full 4CIF, No DVD writer,16 Ch. analog video IN w/looping OUT,16 Ch audio IN, RCS, 8TB
V3061A-16-9000	InfiNet DVR, full 4CIF, No DVD writer,16 Ch. analog video IN w/looping OUT,16 Ch audio IN, RCS, 9TB
V3061A-16-10000	InfiNet DVR, full 4CIF, No DVD writer,16 Ch. analog video IN w/looping OUT,16 Ch audio IN, RCS, 10TB
V3061A-16-11000	InfiNet DVR, full 4CIF, No DVD writer,16 Ch. analog video IN w/looping OUT,16 Ch audio IN, RCS, 11TB
V3061A-16-12000	InfiNet DVR, full 4CIF, No DVD writer,16 Ch. analog video IN w/looping OUT,16 Ch audio IN, RCS, 12TB
V3061A-16-13000	InfiNet DVR, full 4CIF, No DVD writer,16 Ch. analog video IN w/looping OUT,16 Ch audio IN, RCS, 13TB
V3061A-16-14000	InfiNet DVR, full 4CIF, No DVD writer,16 Ch. analog video IN w/looping OUT,16 Ch audio IN, RCS, 14TB
V3061A-16-15000	InfiNet DVR, full 4CIF, No DVD writer,16 Ch. analog video IN w/looping OUT,16 Ch audio IN, RCS, 15TB
V3061A-16-16000	InfiNet DVR, full 4CIF, No DVD writer,16 Ch. analog video IN w/looping OUT,16 Ch audio IN, RCS, 16TB
V3061W-08	InfiNet DVR, full 4CIF,w/ DVD writer,8 Ch. analog video IN w/ looping OUT,8 CH audio IN, RCS, No Hard Disks
V3061W-16	InfiNet DVR, full 4CIF,w/ DVD writer,16 Ch. analog video IN w/ looping OUT,16 CH audio IN, RCS, No Hard Disks
V3061A-08	InfiNet DVR, full 4CIF, No DVD writer,8 Ch. analog video IN w/ looping OUT,8 Ch audio IN, RCS, No Hard Disks
V3061A-16	InfiNet DVR, full 4CIF, No DVD writer,16 Ch. analog video IN w/ looping OUT,16 Ch audio IN, RCS, No Hard Disks

V3062 Embedded Network Digital Video Recorder

V3062-4	InfiNet DVR, full 4CIF, No DVD writer,4 Ch. analog video IN ,4 CH audio IN, RCS, No Hard Disks
V3062-4-1000	InfiNet DVR, full 4CIF, No DVD writer,4 Ch. analog video IN ,4 CH audio IN, RCS, 1TB
V3062-4-2000	InfiNet DVR, full 4CIF, No DVD writer,4 Ch. analog video IN ,4 CH audio IN, RCS, 2TB
V3062-4-3000	InfiNet DVR, full 4CIF, No DVD writer,4 Ch. analog video IN ,4 CH audio IN, RCS, 3TB
V3062-4-4000	InfiNet DVR, full 4CIF, No DVD writer,4 Ch. analog video IN ,4 CH audio IN, RCS, 4TB

Fiber Optic Communications Product Family

Digital Fiber Optics

N3510, N3511, N3710 & N3711 Series Digital Video Transmission System

N3510TA-M	FO MM TX, 1V In, Mini Module, 12VDC/24VAC
N3511TA-M	FO MM TX, 1V In, Module, 12VDC/24VAC
N3511TA-R	FO MM TX, 1V In, Card, 1-Slot
N3511RA-M	FO MM RX, 1V Out, Module, 12VDC/24VAC
N3511RA-R	FO MM RX, 1V Out, Card, 1-Slot
N3710TA-M	FO SM TX, 1V In, Mini Module, 12VDC/24VAC
N3711TA-M	FO SM TX, 1V In, Module, 12VDC/24VAC
N3711TA-R	FO SM TX, 1V In, Card, 1-Slot
N3711RA-M	FO SM RX, 1V Out, Module, 12VDC/24VAC
N3711RA-R	FO SM RX, 1V Out, Card, 1-Slot

N3531 & N3731 Series Single Channel Digital Video with Multi-protocol DIP Selectable Data

N3531TA-1D1B-M	FO MM TRX, 1V In, 1D IO +1 RS-232 IO, Module, 12VDC/24VAC
N3531TA-1D1B-R	FO MM TRX, 1V In, 1D IO +1 RS-232 IO, Card, 1-Slot
N3531RA-1D1B-M	FO MM TRX, 1V Out, 1D IO +1 RS-232 IO, Module, 12VDC/24VAC
N3531RA-1D1B-R	FO MM TRX, 1V Out, 1D IO +1 RS-232 IO, Card, 1-Slot
N3731TA-1D1B-M	FO SM TRX, 1V In, 1D IO +1 RS-232 IO, Module, 12VDC/24VAC
N3731TA-1D1B-R	FO SM TRX, 1V In, 1D IO +1 RS-232 IO, Card, 1-Slot
N3731RA-1D1B-M	FO SM TRX, 1V Out, 1D IO +1 RS-232 IO, Module, 12VDC/24VAC
N3731RA-1D1B-R	FO SM TRX, 1V Out, 1D IO +1 RS-232 IO, Card, 1-Slot

N3532 & N3732 Series Digital Video with Audio, Data and Contact Closure

N3532TA-ADBE-M	FO MM TRX, 1V In, 1D IO +1 RS-232 IO, 1A IO, 1CC IO, Module, 12VDC/24VAC
N3532TA-ADBE-R	FO MM TRX, 1V In, 1D IO +1 RS-232 IO, 1A IO, 1CC IO, Card,1-Slot
N3532RA-ADBE-M	FO MM TRX, 1V Out, 1D IO +1 RS-232 IO, 1A IO, 1CC IO, Module, 12VDC/24VAC
N3532RA-ADBE-R	FO MM TRX, 1V Out, 1D IO +1 RS-232 IO, 1A IO, 1CC IO, Card, 1-Slot
N3732TA-ADBE-M	FO SM TRX,1V In, 1D IO +1 RS-232 IO, 1A IO, 1CC IO, Module, 12VDC/24VAC
N3732TA-ADBE-R	FO SM TRX, 1V In, 1D IO +1 RS-232 IO, 1A IO, 1CC IO, Card, 1-Slot
N3732RA-ADBE-M	FO SM TRX, 1V Out,1D IO +1 RS-232 IO, 1A IO, 1CC IO, Module, 12VDC/24VAC
N3732RA-ADBE-R	FO SM TRX, 1V Out, 1D IO +1 RS-232 IO, 1A IO, 1CC IO, Card, 1-Slot

N3542 & N3742 Series Dual Channel Digital Video Transmission System

N3542TA-M	FO MM TX, 2V In, Module, 12VDC/24VAC
N3542TA-R	FO MM TX, 2V In, Card, 1-Slot
N3542RA-M	FO MM RX, 2V Out, Module, 12VDC/24VAC
N3542RA-R	FO MM RX, 2V Out, Card, 1-Slot
N3742TA-M	FO SM TX, 2V In, Module, 12VDC/24VAC
N3742TA-R	FO SM TX, 2V In, Card, 1-Slot
N3742RA-M	FO SM RX, 2V Out, Module, 12VDC/24VAC
N3742RA-R	FO SM RX, 2V Out, Card, 1-Slot

N3544 & N3744 Series Four Channel Digital Video Transmission System		N3752TA-2A2D-R	FO SM TRX, 2V In, 2D IO, 2A IO, Card, 2-Slot
N3544TA-M	FO MM TX, 4V In, Module, 12VDC/24VAC		
N3544TA-R	FO MM TX, 4V In, Card, 1-Slot	N3752RA-2A2D-M	FO SM TRX, 2V Out, 2D IO, 2A IO, Module, 12VDC/24VAC
N3544RA-M	FO MM RX, 4V Out, Module, 12VDC/24VAC		
N3544RA-R	FO MM RX, 4V Out, Card, 1-Slot	N3752RA-2A2D-R	FO SM TRX, 2V Out, 2D IO, 2A IO, Card, 2-Slot
N3744TA-M	FO SM TX, 4V In, Module, 12VDC/24VAC	N3553 & N3753 Series Dual Channel Digital Video with Four Multi-protocol DIP Selectable data	
N3744TA-R	FO SM TX, 4V In, Card, 1-Slot		
N3744RA-M	FO SM RX, 4V Out, Module, 12VDC/24VAC		
N3744RA-R	FO SM RX, 4V Out, Card, 1-Slot	N3553TA-2D2B-M	FO MM TRX, 2V In, 2D IO +2 RS-232, Module, 12VDC/24VAC
		N3553TA-2D2B-R	FO MM TRX, 2V In, 2D IO +2 RS-232, Card, 2-Slot
N3548 & N3748 Series Eight Channel Digital Video Transmission System		N3553RA-2D2B-M	FO MM TRX, 2V Out, 2D IO +2 RS-232, Module, 12VDC/24VAC
N3548TA-M	FO MM TX, 8V In, Module, 12VDC/24VAC		
N3548TA-R	FO MM TX, 8V In, Card, 2-Slot	N3553RA-2D2B-R	FO MM TRX, 2V Out, 2D IO +2 RS-232, Card, 2-Slot
N3548RA-M	FO MM RX, 8V Out, Module, 12VDC/24VAC		
N3548RA-R	FO MM RX, 8V Out, Card, 2-Slot		
N3748TA-M	FO SM TX, 8V In, Module, 12VDC/24VAC	N3553TA-4D-M	FO MM TRX, 2V In, 4D IO, Module, 12VDC/24VAC
N3748TA-R	FO SM TX, 8V In, Card, 2-Slot	N3553TA-4D-R	FO MM TRX, 2V In, 4D IO, Card, 2-Slot
N3748RA-M	FO SM RX, 8V Out, Module, 12VDC/24VAC	N3553RA-4D-M	FO MM TRX, 2V Out, 4D IO, Module, 12VDC/24VAC
N3748RA-R	FO SM RX, 8V Out, Card, 2-Slot	N3553RA-4D-R	FO MM TRX, 2V Out, 4D IO, Card, 2-Slot
N3551 & N3751 Series Dual Channel Digital Video with Multi-protocol DIP Selectable Data		N3553TA-4B-M	FO MM TRX, 2V In, 4 RS-232 IO, Module, 12VDC/24VAC
N3551TA-1D1B-M	FO MM TRX, 2V In, 1D IO +1 RS-232 IO, Module, 12VDC/24VAC	N3553TA-4B-R	FO MM TRX, 2V In, 4 RS-232 IO, Card, 2-Slot
N3551TA-1D1B-R	FO MM TRX, 2V In, 1D IO +1 RS-232 IO, Card, 2-Slot	N3553RA-4B-M	FO MM TRX, 2V Out, 4 RS-232 IO, Module, 12VDC/24VAC
N3551RA-1D1B-M	FO MM TRX, 2V Out, 1D IO +1 RS-232 IO, Module, 12VDC/24VAC	N3553RA-4B-R	FO MM TRX, 2V Out, 4 RS-232 IO, Card, 2-Slot
N3551RA-1D1B-R	FO MM TRX, 2V Out, 1D IO +1 RS-232 IO, Card, 2-Slot	N3753TA-2D2B-M	FO SM TRX, 2V In, 2D IO +2 RS-232, Module, 12VDC/24VAC
		N3753TA-2D2B-R	FO SM TRX, 2V In, 2D IO +2 RS-232, Card, 2-Slot
N3751TA-1D1B-M	FO SM TRX, 2V In,1D IO +1 RS-232 IO, Module, 12VDC/24VAC	N3753RA-2D2B-M	FO SM TRX, 2V Out, 2D IO +2 RS-232, Module, 12VDC/24VAC
N3751TA-1D1B-R	FO SM TRX, 2V In, 1D IO +1 RS-232 IO, Card, 2-Slot	N3753RA-2D2B-R	FO SM TRX, 2V Out, 2D IO +2 RS-232, Card, 2-Slot
N3751RA-1D1B-M	FO SM TRX, 2V Out, 1D IO +1 RS-232 IO, Module, 12VDC/24VAC		
N3751RA-1D1B-R	FO SM TRX, 2V Out, 1D IO +1 RS-232 IO, Card, 2-Slot	N3753TA-4D-M	FO SM TRX, 2V In, 4D IO, Module, 12VDC/24VAC
		N3753TA-4D-R	FO SM TRX, 2V In, 4D IO, Card, 2-Slot
		N3753RA-4D-M	FO SM TRX, 2V Out, 4D IO, Module, 12VDC/24VAC
		N3753RA-4D-R	FO SM TRX, 2V Out, 4D IO, Card, 2-Slot
N3552 & N3752 Series Dual Channel Digital Video with 2-ch Audio and 2-ch Data		N3753TA-4B-M	FO SM TRX, 2V In, 4 RS-232 IO, Module, 12VDC/24VAC
N3552TA-2A2D-M	FO MM TRX, 2V In, 2D IO, 2A IO, Module, 12VDC/24VAC	N3753TA-4B-R	FO SM TRX, 2V In, 4 RS-232 IO, Card, 2-Slot
N3552TA-2A2D-R	FO MM TRX, 2V In, 2D IO, 2A IO, Card, 2-Slot		
N3552RA-2A2D-M	FO MM TRX, 2V Out, 2D IO, 2A IO, Module, 12VDC/24VAC		
N3552RA-2A2D-R	FO MM TRX, 2V Out, 2D IO, 2A IO, Card, 2-Slot	N3753RA-4B-M	FO SM TRX, 2V Out, 4 RS-232 IO, Module, 12VDC/24VAC
N3752TA-2A2D-M	FO SM TRX, 2V In, 2D IO, 2A IO, Module, 12VDC/24VAC	N3753RA-4B-R	FO SM TRX, 2V Out, 4 RS-232 IO, Card, 2-Slot

N3554 & N3754 Series Four Channel Digital Video with Multi-protocol DIP Selectable Data		N3555 & N3755 Series Four Channel Digital Video with 2-ch Audio and 2-ch Data	
N3554TA-1D1B-M	FO MM TRX, 4V In, 1D IO +1 RS-232 IO, Module, 12VDC/24VAC	N3555TA-2A2D-M	FO MM TRX, 4V In, 2D IO, 2A IO, Module, 12VDC/24VAC
N3554TA-1D1B-R	FO MM TRX, 4V In, 1D IO +1 RS-232 IO, Card, 2-Slot	N3555TA-2A2D-R	FO MM TRX, 4V In, 2D IO, 2A IO, Card, 2-Slot
N3554RA-1D1B-M	FO MM TRX, 4V Out, 1D IO +1 RS-232 IO, Module, 12VDC/24VAC		
		N3555RA-2A2D-M	FO MM TRX, 4V Out, 2D IO, 2A IO, Module,12VDC/24VAC
		N3555RA-2A2D-R	FO MM TRX, 4V Out, 2D IO, 2A IO, Card, 2-Slot
N3554RA-1D1B-R	FO MM TRX, 4V Out, 1D IO +1 RS-232 IO, Card, 2-Slot	N3755TA-2A2D-M	FO SM TRX, 4V In, 2D IO, 2A IO, Module, 12VDC/24VAC
N3754TA-1D1B-M	FO SM TRX, 4V In, 1D IO +1 RS-232 IO, Module, 12VDC/24VAC	N3755TA-2A2D-R	FO SM TRX, 4V In, 2D IO, 2A IO, Card, 2-Slot
N3754TA-1D1B-R	FO SM TRX, 4V In, 1D IO +1 RS-232 IO, Card, 2-Slot	N3755RA-2A2D-M	FO SM TRX, 4V Out, 2D IO, 2A IO, Module, 12VDC/24VAC
N3754RA-1D1B-M	FO SM TRX, 4V Out,1D IO+1 RS-232 IO,Module, 12VDC/24VAC	N3755RA-2A2D-R	FO SM TRX, 4V Out, 2D IO, 2A IO, Card, 2-Slot
N3754RA-1D1B-R	FO SM TRX, 4V Out,1D IO+1 RS-232 IO, Card, 2-Slot		
N3556 & N3756 Series Four Channel Digital Video with 4-ch Multi-protocol Data		N3557 & N3757 Series Eight Channel Digital Video with Multi-protocol DIP Selectable Data	
N3556TA-2D2B-M	FO MM TRX, 4V In, 2D IO +2 RS-232 IO, Module, 12VDC/24VAC	N3557TA-1D1B-M	FO MM TRX, 8V In, 1D IO +1 RS-232 IO, Module, 12VDC/24VAC
N3556TA-2D2B-R	FO MM TRX, 4V In, 2D IO +2 RS-232 IO, Card, 2-Slot	N3557TA-1D1B-R	FO MM TRX, 8V In, 1D IO +1 RS-232 IO, Card, 3-Slot
N3556RA-2D2B-M	FO MM TRX, 4V Out, 2D IO +2 RS-232 IO, Module, 12VDC/24VAC		
N3556RA-2D2B-R	FO MM TRX, 4V Out, 2D IO+2 RS-232 IO,Card, 2-Slot	N3557RA-1D1B-M	FO MM TRX, 8V Out, 1D IO +1 RS-232 IO, Module, 12VDC/24VAC
		N3557RA-1D1B-R	FO MM TRX, 8V Out, 1D IO +1 RS-232 IO, Card, 3-Slot
N3556TA-4D-M	FO MM TRX, 4V In, 4D IO, Module, 12VDC/24VAC	N3757TA-1D1B-M	FO SM TRX, 8V In, 1D IO +1 RS-232 IO, Module, 12VDC/24VAC
N3556TA-4D-R	FO MM TRX, 4V In, 4D IO, Card, 2-Slot	N3757TA-1D1B-R	FO SM TRX, 8V In, 1D IO +1 RS-232 IO, Card, 3-Slot
N3556RA-4D-M	FO MM TRX, 4V Out, 4D IO, Module, 12VDC/24VAC		
N3556RA-4D-R	FO MM TRX, 4V Out, 4D IO, Card, 2-Slot	N3757RA-1D1B-M	FO SM TRX, 8V Out, 1D IO +1 RS-232 IO, Module, 12VDC/24VAC
		N3757RA-1D1B-R	FO SM TRX, 8V Out, 1D IO +1 RS-232 IO, Card, 3-Slot
N3556TA-4B-M	FO MM TRX, 4V In,4 RS-232 IO, Module,12VDC/24VAC	N3558 & N3758 Series Eight Channel Digital Video with 2-ch Audio and 2-ch Data	
N3556TA-4B-R	FO MM TRX, 4V In, 4 RS-232 IO, Card, 2-Slot	N3558TA-2A2D-M	FO MM TRX, 8V In, 2D IO, 2A IO, Module, 12VDC/24VAC
N3556RA-4B-M	FO MM TRX, 4V Out, 4 RS-232 IO, Module, 12VDC/24VAC	N3558TA-2A2D-R	FO MM TRX, 8V In, 2D IO, 2A IO, Card, 3-Slot
N3556RA-4B-R	FO MM TRX, 4V Out, 4 RS-232 IO, Card, 2-Slot		
		N3558RA-2A2D-M	FO MM TRX, 8V Out, 2D IO,2A IO,Module,12VDC/24VAC
		N3558RA-2A2D-R	FO MM TRX, 8V Out, 2D IO, 2A IO, Card, 3-Slot
N3756TA-2D2B-M	FO SM TRX, 4V In, 2D IO+2 RS-232 IO,Module, 12VDC/24VAC	N3758TA-2A2D-M	FO SM TRX, 8V In, 2D IO, 2A IO, Module,12VDC/24VAC
N3756TA-2D2B-R	FO SM TRX, 4V In, 2D IO +2 RS-232 IO, Card, 2-Slot	N3758TA-2A2D-R	FO SM TRX, 8V In, 2D IO, 2A IO, Card, 3-Slot
N3756RA-2D2B-M	FO SM TRX, 4V Out, 2D IO +2 RS-232 IO, Module, 12VDC/24VAC		
N3756RA-2D2B-R	FO SM TRX, 4V Out, 2D IO +2 RS-232 IO, Card, 2-Slot		
N3756TA-4D-M	FO SM TRX, 4V In, 4D IO, Module, 12VDC/24VAC	N3758RA-2A2D-M	FO SM TRX, 8V Out,2D IO,2A IO,Module,12VDC/24VAC
N3756TA-4D-R	FO SM TRX, 4V In, 4D IO, Card, 2-Slot	N3758RA-2A2D-R	FO SM TRX, 8V Out, 2D IO, 2A IO, Card, 3-Slot
N3756RA-4D-M	FO SM TRX, 4V Out, 4D IO, Module, 12VDC/24VAC		
N3756RA-4D-R	FO SM TRX, 4V Out, 4D IO, Card, 2-Slot		
N3756TA-4B-M	FO SM TRX, 4V In, 4 RS-232 IO, Module, 12VDC/24VAC		
N3756TA-4B-R	FO SM TRX, 4V In, 4 RS-232 IO, Card, 2-Slot		
N3756RA-4B-M	FO SM TRX, 4V Out, 4 RS-232 IO, Module, 12VDC/24VAC		
N3756RA-4B-R	FO SM TRX, 4V Out, 4 RS-232 IO, Card, 2-Slot		

N3559 & N3759 Series Eight Channel Digital Video with 4-ch Multi-protocol DIP Selectable Data		N3572 & N3772 Series Up to Four Channel DIP Selectable Duplex RS-232/RS-422/RS-485 Data	
N3559TA-2D2B-M	FO MM TRX, 8V In, 2D IO +2 RS-232 IO, Module, 12VDC/24VAC	N3572XA-2D2B-M	FO MM TRX, 2D IO +2 RS-232 IO, Module, 12VDC/24VAC
N3559TA-2D2B-R	FO MM TRX, 8V In, 2D IO +2 RS-232 IO, Card, 3-Slot	N3572XA-2D2B-R	FO MM TRX, 2D IO +2 RS-232 IO, Card, 1-slot
N3559RA-2D2B-M	FO MM TRX, 8V Out, 2D IO +2RS-232 IO, Module, 12VDC/24VAC	N3572XA-4D-M	FO MM TRX, 4D IO, Module, 12VDC/24VAC
N3559RA-2D2B-R	FO MM TRX, 8V Out, 2D IO +2 RS-232 IO, Card, 3-Slot	N3572XA-4D-R	FO MM TRX, 4D IO, Card, 1-slot
N3559TA-4D-M	FO MM TRX, 8V In, 4D IO, Module, 12VDC/24VAC	N3572XA-4B-M	FO MM TRX, 4 RS-232 IO, Module, 12VDC/24VAC
N3559TA-4D-R	FO MM TRX, 8V In, 4D IO, Card, 3-Slot	N3572XA-4B-R	FO MM TRX, 4 RS-232 IO, Card, 1-slot
N3559RA-4D-M	FO MM TRX, 8V Out, 4D IO, Module, 12VDC/24VAC	N3572XB-2D2B-M	FO MM TRX, 2D IO +2 RS-232 IO, Module, 12VDC/24VAC
N3559RA-4D-R	FO MM TRX, 8V Out, 4D IO, Card, 3-Slot	N3572XB-2D2B-R	FO MM TRX, 2D IO +2 RS-232 IO, Card, 1-slot
N3559TA-4B-M	FO MM TRX, 8V In, 4 RS-232 IO, Module, 12VDC/24VAC	N3572XB-4D-M	FO MM TRX, 4 D IO, Module, 12VDC/24VAC
N3559TA-4B-R	FO MM TRX, 8V In, 4 RS-232 IO, Card, 3-Slot	N3572XB-4D-R	FO MM TRX, 4 D IO, Card, 1-slot
N3559RA-4B-M	FO MM TRX, 8V Out, 4 RS-232 IO, Module, 12VDC/24VAC	N3572XB-4B-M	FO MM TRX, 4 RS-232 IO, Module, 12VDC/24VAC
N3559RA-4B-R	FO MM TRX, 8V Out, 4 RS-232 IO, Card, 3-Slot	N3572XB-4B-R	FO MM TRX, 4 RS-232 IO, Card, 1-slot
N3759TA-2D2B-M	FO SM TRX, 8V In, 2D IO +2 RS-232 IO, Module, 12VDC/24VAC	N3772XA-2D2B-M	FO SM TRX, 2D IO +2 RS-232 IO, Module, 12VDC/24VAC
N3759TA-2D2B-R	FO SM TRX, 8V In, 2D IO +2 RS-232 IO, Card, 3-Slot	N3772XA-2D2B-R	FO SM TRX, 2D IO +2 RS-232 IO, Card, 1-slot
N3759RA-2D2B-M	FO SM TRX, 8V Out, 2D IO +2 RS-232 IO, Module, 12VDC/24VAC	N3772XA-4D-M	FO SM TRX, 4D IO, Module, 12VDC/24VAC
N3759RA-2D2B-R	FO SM TRX, 8V Out, 2D IO +2 RS-232 IO, Card, 3-Slot	N3772XA-4D-R	FO SM TRX, 4D IO, Card, 1-slot
N3759TA-4D-M	FO SM TRX, 8V In, 4D IO, Module, 12VDC/24VAC	N3772XA-4B-M	FO SM TRX,4 RS-232 IO,Module,12VDC/24VAC
N3759TA-4D-R	FO SM TRX, 8V In, 4D IO, Card, 3-Slot	N3772XA-4B-R	FO SM TRX, 4 RS-232 IO, Card, 1-slot
N3759RA-4D-M	FO SM TRX, 8V Out, 4D IO, Module, 12VDC/24VAC	N3772XB-2D2B-M	FO SM TRX, 2D IO +2 RS-232 IO, Module, 12VDC/24VAC
N3759RA-4D-R	FO SM TRX, 8V Out, 4D IO, Card, 3-Slot	N3772XB-2D2B-R	FO SM TRX, 2D IO +2 RS-232 IO, Card, 1-slot
N3759TA-4B-M	FO SM TRX, 8V In, 4 RS-232 IO, Module, 12VDC/24VAC	N3772XB-4D-M	FO SM TRX, 4 D IO, Module, 12VDC/24VAC
N3759TA-4B-R	FO SM TRX, 8V In, 4 RS-232 IO, Card, 3-Slot	N3772XB-4D-R	FO SM TRX, 4 D IO, Card, 1-slot
N3759RA-4B-M	FO SM TRX, 8V Out, 4 RS-232 IO, Module, 12VDC/24VAC	N3772XB-4B-M	FO SM TRX,4 RS-232 IO,Module,12VDC/24VAC
N3759RA-4B-R	FO SM TRX, 8V Out, 4 RS-232 IO, Card, 3-Slot	N3772XB-4B-R	FO SM TRX, 4 RS-232 IO, Card, 1-slot
N3571 & N3771 Series Bi-directional RS-232 and Multi-protocol DIP Selectable Data		N3574 & N3774 Series Duplex Audio Transmission System	
N3571XA-1D1B-M	FO MM TRX, 1D IO+1 RS-232, Module, 12VDC/24VAC	N3574XA-1A-M	FO MM TRX, 1A IO, Module, 12VDC/24VAC
N3571XA-1D1B-R	FO MM TRX, 1D IO +1 RS-232, Card, 1-Slot	N3574XA-1A-R	FO MM TRX, 1A IO, Card, 1-slot
N3571XB-1D1B-M	FO MM TRX, 1D IO+1 RS-232, Module, 12VDC/24VAC	N3574XB-1A-M	FO MM TRX, 1A IO, Module, 12VDC/24VAC
N3571XB-1D1B-R	FO MM TRX, 1D IO +1 RS-232, Card, 1-Slot	N3574XB-1A-R	FO MM TRX, 1A IO, Card, 1-slot
N3771XA-1D1B-M	FO SM TRX, 1D IO+1 RS-232, Module, 12VDC/24VAC	N3774XA-1A-M	FO SM TRX, 1A IO, Module, 12VDC/24VAC
N3771XA-1D1B-R	FO SM TRX, 1D IO+1 RS-232, Card, 1-Slot	N3774XA-1A-R	FO SM TRX, 1A IO, Card, 1-slot
N3771XB-1D1B-M	FO SM TRX, 1D IO+1 RS-232, Module, 12VDC/24VAC	N3774XB-1A-M	FO SM TRX, 1A IO, Module, 12VDC/24VAC
N3771XB-1D1B-R	FO SM TRX, 1D IO+1 RS-232, Card, 1-Slot	N3774XB-1A-R	FO SM TRX, 1A IO, Card, 1-slot

N3576 & N3776 Series Aiphone® Audio Intercom System			
N3576XM-4AI-4D-L-M	FO MM TRX for Aiphone® LEF/LEM Intercoms, Master, 4AI, 4D IO, Module, 12VDC/24VAC		
N3576XM-4AI-4D-L-R	FO MM TRX for Aiphone® LEF/LEM Intercoms, Master, 4AI, 4D IO, Card, 2-Slot		
N3576XS-4AI-4D-L-M	FO MM TRX for Aiphone® LEF/LEM Intercoms, Slave, 4AI, 4D IO, Module, 12VDC/24VAC		
N3576XS-4AI-4D-L-R	FO MM TRX for Aiphone® LEF/LEM Intercoms, Slave, 4AI, 4D IO, Card, 2-Slot		
N3576XM-8AI-4D-L-M	FO MM TRX for Aiphone® LEF/LEM Intercoms, Master, 8AI, 4D IO, Module, 12VDC/24VAC		
N3576XM-8AI-4D-L-R	FO MM TRX for Aiphone® LEF/LEM Intercoms, Master, 8AI, 4D IO, Card, 3-Slot		
N3576XS-8AI-4D-L-M	FO MM TRX for Aiphone® LEF/LEM Intercoms, Slave, 8AI, 4D IO, Module, 12VDC/24VAC		
N3576XS-8AI-4D-L-R	FO MM TRX for Aiphone® LEF/LEM Intercoms, Slave, 8AI, 4D IO, Card, 3-Slot		
N3776XM-4AI-4D-L-M	FO SM TRX for Aiphone® LEF/LEM Intercoms, Master, 4AI, 4D IO, Module, 12VDC/24VAC		
N3776XM-4AI-4D-L-R	FO SM TRX for Aiphone® LEF/LEM Intercoms, Master, 4AI, 4D IO, Card, 2-Slot		
N3776XS-4AI-4D-L-M	FO SM TRX for Aiphone® LEF/LEM Intercoms, Slave, 4AI, 4D IO, Module, 12VDC/24VAC		
N3776XS-4AI-4D-L-R	FO SM TRX for Aiphone® LEF/LEM Intercoms, Slave, 4AI, 4D IO, Card, 2-Slot		
N3776XM-8AI-4D-L-M	FO SM TRX for Aiphone® LEF/LEM Intercoms, Master, 8AI, 4D IO, Module, 12VDC/24VAC		
N3776XM-8AI-4D-L-R	FO SM TRX for Aiphone® LEF/LEM Intercoms, Master, 8AI, 4D IO, Card, 3-Slot		
N3776XS-8AI-4D-L-M	FO SM TRX for Aiphone® LEF/LEM Intercoms, Slave, 8AI, 4D IO, Module, 12VDC/24VAC		
N3776XS-8AI-4D-L-R	FO SM TRX for Aiphone® LEF/LEM Intercoms, Slave, 8AI, 4D IO, Card, 3-Slot		
N3579 & N3779 Series Eight Contact Closures Transmission		N3586 & N3786 Series Single Channel POTS or PBX Telephone Capability	
N3579TA-8C-M	FO MM TX 8 Contact Closure In, Module, 12VDC/24VAC	N3586XA-M	FO MM POTS Line Transceiver, Module, 24VAC
N3579TA-8C-R	FO MM TX 8 Contact Closure In, Card, 1-Slot	N3586XA-R	FO MM POTS Line Transceiver, Card, 1-Slot
N3579RA-8C-M	FO MM RX 8 Contact Closure Out, Module, 12VDC/24VAC	N3586XB-M	FO MM POTS Line Transceiver, Module, 24VAC
N3579RA-8C-R	FO MM RX 8 Contact Closure Out, Card, 1-Slot	N3586XB-R	FO MM POTS Line Transceiver, Card, 1-Slot
N3779TA-8C-M	FO SM TX 8 Contact Closure In, Module, 12VDC/24VAC	N3786XA-M	FO SM POTS Line Transceiver, Module, 24VAC
N3779TA-8C-R	FO SM TX 8 Contact Closure In, Card, 1-Slot	N3786XA-R	FO SM POTS Line Transceiver, Card, 1-Slot
N3779RA-8C-M	FO SM RX 8 Contact Closure Out, Module, 12VDC/24VAC	N3786XB-M	FO SM POTS Line Transceiver, Module, 24VAC
N3779RA-8C-R	FO SM RX 8 Contact Closure Out, Card, 1-Slot	N3786XB-R	FO SM POTS Line Transceiver, Card, 1-Slot
N3784 Series 10/100M Auto Sensing Ethernet			
N3784XA-4FE-M	FO SM Ethernet 4-Port Transceiver 10/100 BASE-T, Module, 12VDC/24VAC		
N3784XA-4FE-R	FO SM Ethernet 4-Port Transceiver 10/100 BASE-T, Card, 1-Slot		
N3784XB-4FE-M	FO SM Ethernet 4-Port Transceiver 10/100 BASE-T, Module, 12VDC/24VAC		
N3784XB-4FE-R	FO SM Ethernet 4-Port Transceiver 10/100 BASE-T, Card, 1-Slot		
N3785 Series 10/100M Ethernet Transceiver with DIP Selectable Duplex Data			
N3785XA-M	FO SM, digital, Ethernet Transceiver 10/100BASE-T, 2 RJ45, 2 Half duplex RS485 IO+1 RS-422 IO, Module, 12VDC/24VAC		
N3785XA-R	FO SM, digital, Ethernet Transceiver 10/100BASE-T, 2 RJ45, 2 Half duplex RS485 IO+1 RS-422 IO, Card, 1-Slot		
N3785XB-M	FO SM, digital, Ethernet Transceiver 10/100BASE-T, 2 RJ45, 2 Half duplex RS485 IO+1 RS-422 IO, Module, 12VDC/24VAC		
N3785XB-R	FO SM, digital, Ethernet Transceiver 10/100BASE-T, 2 RJ45, 2 Half duplex RS485 IO+1 RS-422 IO, Card, 1-Slot		
N3787 Series 10/100/1000M Ethernet Transmission System			
N3787XA-GE-20-M	FO SM, digital, Ethernet 2-Port Transceiver 10/100/1000BASE-T, Module, 12VDC/24VAC, 20km		
N3787XA-GE-20-R	FO SM, digital, Ethernet 2-Port Transceiver 10/100/1000BASE-T, Card, 1-Slot, 20km		
N3787XB-GE-20-M	FO SM, digital, Ethernet 2-Port Transceiver 10/100/1000BASE-T, Module, 12VDC/24VAC, 20km		
N3787XB-GE-20-R	FO SM, digital, Ethernet 2-Port Transceiver 10/100/1000BASE-T, Card, 1-Slot, 20km		
N3787XA-8FE-20-M	FO SM, digital, Ethernet 8-Port Transceiver 10/100BASE-T, Module, 12VDC/24VAC, 20km (work together with N3787XB-GE)		
N3787XA-8FE-20-R	FO SM, digital, Ethernet 8-Port Transceiver 10/100BASE-T, Card, 1-Slot, 20km, (work together with N3787XB-GE)		

Fiber Optics Accessories

N3910 and N3920 Series Chassis and Power Supply		N3921-12D-1	Power Supply, 12VDC, 10VA, Plug-In, 120VAC
N3910-1S	FO Module Card Chassis, 1-Slot, 12VDC/24VAC	N3921-24A-1	Power Supply, 24VAC, 20VA, Plug-In, 120VAC
N3910-2S	FO Module Card Chassis, 2-Slot, 12VDC/24VAC	N3922-24A-1	Power Supply, 24VAC, 50VA, Plug-In, 120VAC
N3910-3S	FO Module Card Chassis, 3-Slot, 12VDC/24VAC	N3921-12D-2	Power Supply, 12VDC, 10VA, Plug-In, 230VAC
N3910-4S	FO Module Card Chassis, 4-Slot, 12VDC/24VAC	N3921-24A-2	Power Supply, 24VAC, 20VA, Plug-In, 230VAC
		N3922-24A-2	Power Supply, 24VAC, 50VA, Plug-In, 230VAC
N3910-6W1	FO Card Chassis, 6-Slot, 9 inch x 3U, w/100W p.s., 120VAC/230VAC	N3952 Series Contact Closure Converter	
N3910-15R1	FO Card Chassis, 15-Slot, 19 inch x 3U Sub-Rack, w/2 100W p.s., 120VAC/230VAC	N3952X-4-M	TRX, 4 Contact Closure IO, Module, 12VDC/24VAC
N3910-15R2	FO Card Chassis, 15-Slot, 19 inch x 3U Sub-Rack, w/2 250W p.s., 120VAC/230VAC	N3952X-4-R	TRX, 4 Contact Closure IO, Card, 1-Slot
N3910-18S1	FO Card Chassis, 18-Slot, 19 inch x 3U Sub-Rack, w/100W p.s., 120VAC/230VAC	N3952T-8-M	TX, 8 Contact Closure In, Module, 12VDC/24VAC
N3910-18S2	FO Card Chassis, 18-Slot, 19 inch x 3U Sub-Rack, w/250W p.s., 120VAC/230VAC	N3952T-8-R	TX, 8 Contact Closure In, Card, 1-Slot
		N3952R-8-M	RX, 8 Contact Closure Out, Module, 12VDC/24VAC
		N3952R-8-R	RX, 8 Contact Closure Out, Card, 1-Slot

Specialized Product Family

V1631 Series Explosion-proof PTZ Camera System

V1631-23A19-2	Explosion-proof PTZ camera system, 23X, PAL, 100~240VAC, 316 Stainless Steel
V1631-36A09-2	Explosion-proof PTZ camera system, 36X, NTSC, 100~240VAC, 316 Stainless Steel
V1631-36A19-2	Explosion-proof PTZ camera system, 36X, PAL, 100~240VAC, 316 Stainless Steel

V1421 Series Explosion-proof Camera Housing

V1421-15SHB6-2	Camera housing, explosion-proof, 15 inch, w/ sunshield, wiper, heater, blower, 316 Stainless Steel, outdoor, 24VAC
V1421-15SHB7-2	Camera housing, explosion-proof, 15 inch, w/ sunshield, wiper, heater, blower, 316 Stainless Steel, outdoor, 110VAC
V1421-15SHB8-2	Camera housing, explosion-proof, 15 inch, w/ sunshield, wiper, heater, blower, 316 Stainless Steel, outdoor, 230VAC
V1421-15A6-2	Camera housing, explosion-proof, 15 inch, 316 Stainless Steel, indoor, 24VAC
V1421-15A7-2	Camera housing, explosion-proof, 15 inch, 316 Stainless Steel, indoor, 110VAC
V1421-15A8-2	Camera housing, explosion-proof, 15 inch, 316 Stainless Steel, indoor, 230VAC