

Intelligent Surveillance, Envision the Future

NViS Series Video Intelligent Surveillance Solutions



Intelligent Technology Solution



PoE Integrated

Reducing wiring complexity is the first priority for mobile surveillance. NVIS mobile solutions, which integrate IEEE802.3af (16.8Watt per port) and GbE-based PoE into rugged platforms, not only simplify installation and are ready for the rising adoption of high 5+ megapixel cameras.



Leading Computing Platform

To reinforce the trend of NVR applications and camera technologies, NVIS solutions offer the most advanced and scalable computing platforms ranging from low-power Intel® Atom™ to high-performance Intel® Core™ processors. Unlike video capture card solutions, NVIS hybrid solutions bring video decoder onboard and can render images without additional hardware.



Dual Local Displays for Multitasking

Two is better than one. Powered by leading computing platforms, NVIS solutions by default have dual local display interfaces, including VGA and digital display outputs which enable multitasking like local live view, video playback, search etc.



Dedicated for Mobile Surveillance

However challenged by harsh environmental conditions, reliability is the key to survive for mobile surveillance. NVIS mobile solutions has proofed it reliability and won the endorsement based on the standard of MIL-STD 810F,514.5, C3 (composite wheeled vehicle). They can meet duties in a wide temperature range from -20°C to 60°C.



Wide Vehicle Power Input

Random surge and transient power anomalies is only too common in vehicle. To adapt to different boost voltage of power input from vehicle batteries, NVIS mobile solutions support 9~36V wide voltage power input and can be used with common 12V and 24V vehicle batteries.



Power Ignition

Stable power input is essential to mobile surveillance. NVIS mobile solutions offer external power ignition that acts as a buffer between vehicle batteries and NVIS mobile solutions. With configurable timing delay setting, power ignition modules provide NVIS mobile solutions well protection from premature failure at boot/shutdown phase.

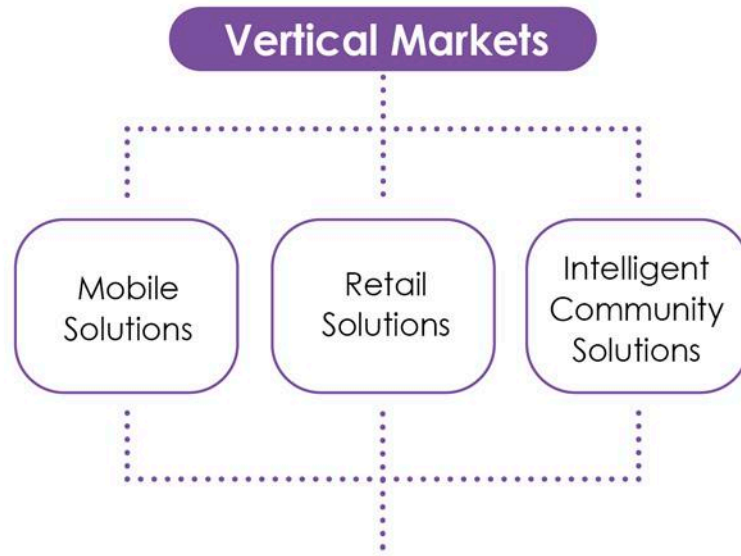
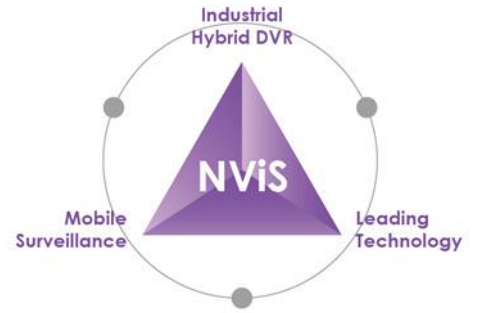


Communication Technology

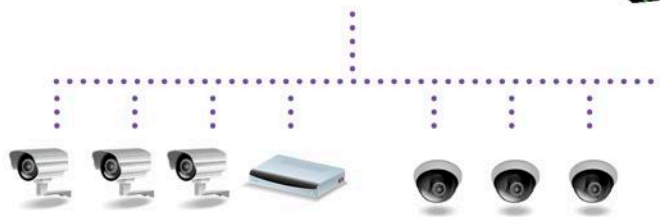
Without wireless communication, mobile surveillance is an isolated island. NVIS mobile solutions offer full suite of wireless communication technologies including 3G, 802.11n Wi-Fi, and GPS. Customers can choose from and install NVIS pre-validated communication modules per their own needs.

Leading NVR/ DVR Platform Solution

Hybrid, mobile, and intelligence are essential qualities of security surveillance as it becomes more and more integrated into every industry. NEXCOM NVIS video intelligent surveillance solutions include mobile DVR/ NVR, hybrid DVR/ NVR, and industrial surveillance server and therefore can fulfill assorted demands of various vertical markets. Such as transportation, retail, commercial, government, banking, education, robotics, hospitality, casinos, healthcare and residential markets.



NVIS Hybrid DVR/NVR

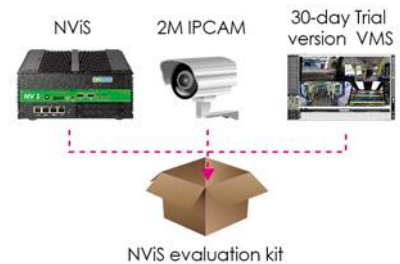


IP Camera and Video Server

Wired, Wireless or PTZ Analog Cameras

Evaluation Kit Ready to Go

NVIS Evaluation Kit Program provides a turnkey solution which only needs three easy steps to install. Under this program, users can get immediate grasp of NVIS's capabilities before enjoying customized service based on individual project.



City Map Scenario

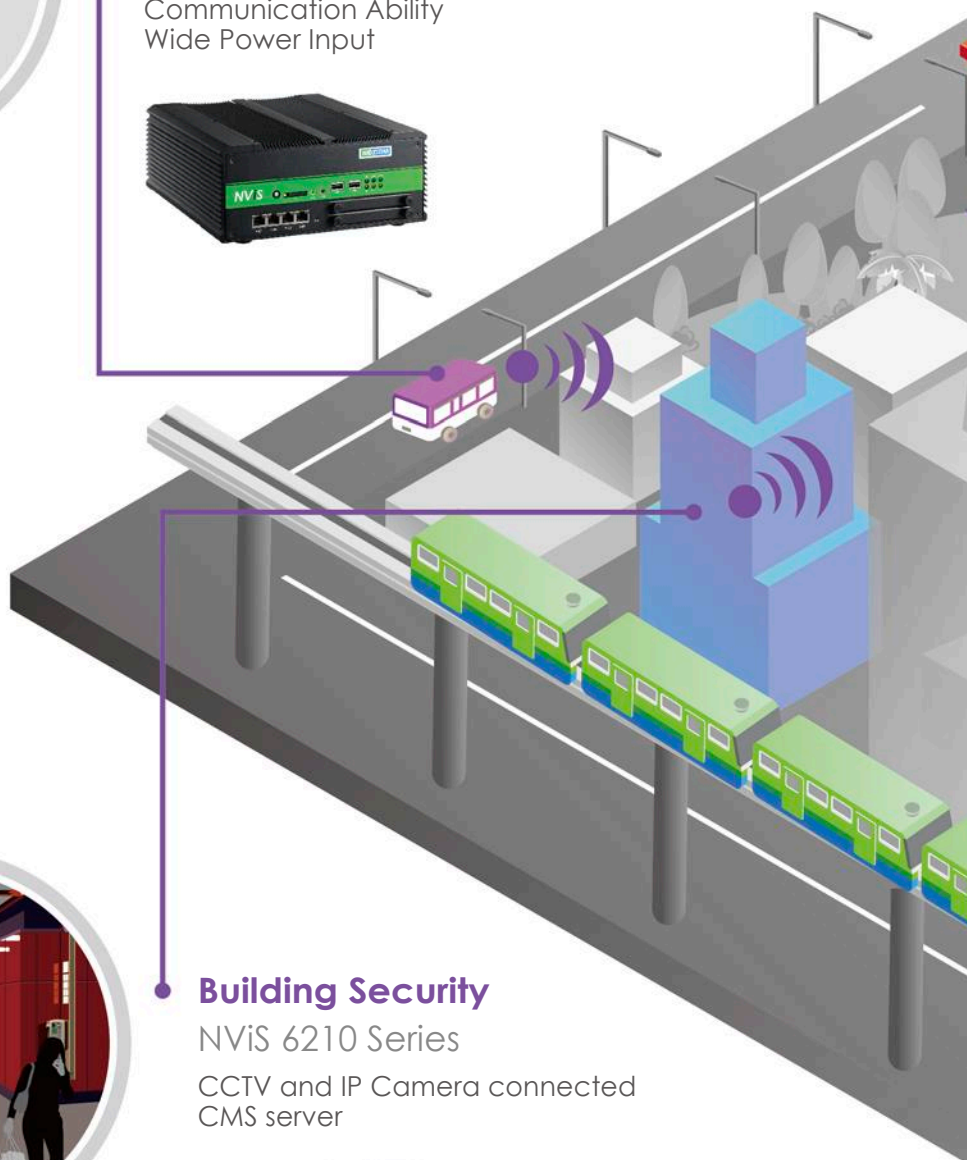
Intelligent Surveillance, Intelligent Life



In-Vehicle

NViS 2280/ 3542P

Anti-Vibration
Communication Ability
Wide Power Input



Building Security

NViS 6210 Series

CCTV and IP Camera connected
CMS server



ANPR/ LPR

NViS 2140H

ANPR camera connected
Video analysis



Retail Store

NViS 5240

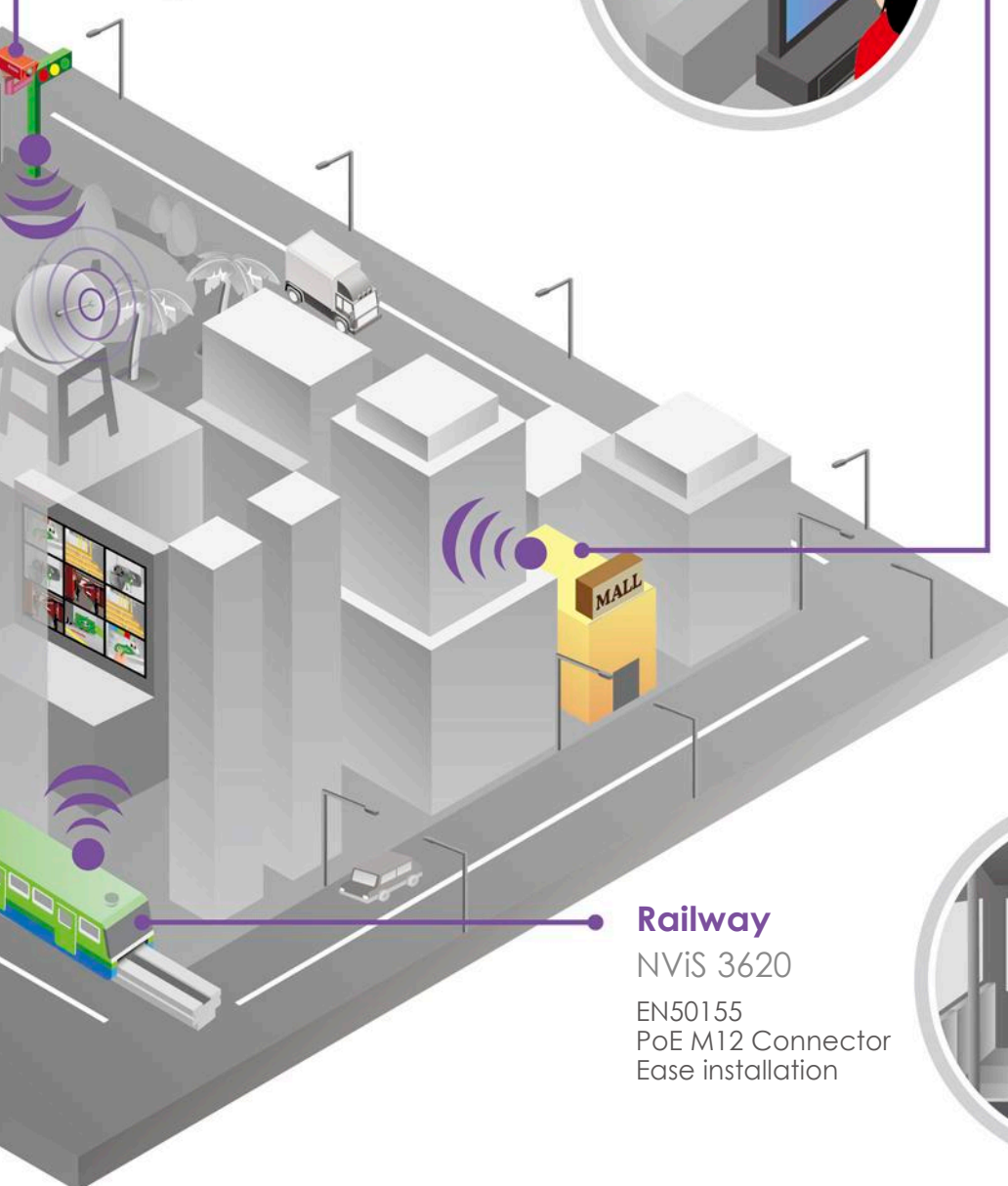
IP Camera connected
PoS Integrated
Data forward to HQ



Railway






NViS 3620

EN50155
PoE M12 Connector
Ease installation



▶ Mobile Hybrid DVR






▶ Rack DVR

Model	 NVIS 2140H (4-channel hybrid DVR)	 NVIS 3540H (4-channel hybrid DVR)	 NVIS 3542	 NViS 6210H16 (16-channel hybrid DVR)	 NViS 6210H32 (32-channel hybrid DVR)
Video Input	Default 4 channels (Mixed IP and/or CCTV camera)	Default 4 channels (Mixed IP and/or CCTV camera)	Reserved 1x PCI slot (Mixed IP and/or CCTV camera)	Default 16 channels BNC connector (Mixed IP and/or CCTV camera)	Default 32 channels BNC connector (Mixed IP and/or CCTV camera)
Display Rate	120 FPS (NTSC), 100 FPS (PAL) @ D1 (720x480) Real-time	120 FPS (NTSC), 100 FPS (PAL) @ D1 (720x480) Real-time	Depends on capture add-on card	Up to 16CH 960/900FPS @ D1	Up to 32CH 960/900FPS @ D1
Recording Rate	120 FPS (NTSC)/ 100 FPS (PAL) @ D1(720x480) Real-time	120 FPS (NTSC)/ 100 FPS (PAL) @ D1(720x480) Real-time	Depends on capture add-on card	Up to 16CH 960/900FPS @ D1	Up to 32CH 960/900FPS @ D1
Resolution Format	720x480/ 720x576, 720x240/ 720x288, 320x240	720x480/ 720x576, 720x240/ 720x288, 320x240	Depends on capture add-on card	720x480/ 720x576, 640x480/ 640x576, 720x240/ 720x288, 640x240/ 640x288, 320x240/ 320x288	720x480/ 720x576, 640x480/ 640x576, 720x240/ 720x288, 640x240/ 640x288, 320x240/ 320x288
TV-out Support	2 x BNC connector	2 x BNC connector	Depends on capture add-on card	-	-
Codec	H.264/ Mpeg 4/ Mjpeg	H.264/ Mpeg 4/ Mjpeg	Depends on capture add-on card	H.264/ Mpeg 4	H.264/ Mpeg 4
Audio Compression Format	ADPCM Codec	ADPCM Codec	Depends on capture add-on card	Mono/ 8-16Bits/ 8000-48000Hz	Mono/ 8-16Bits/ 8000-48000Hz
Hardware Watchdog	Yes	Yes	Yes	Yes	Yes
S/W	NVIS 1.53 S/W	NVIS 1.53 S/W	-	-	-
SDK	-	-	-	Yes	Yes
CPU	On board Intel® Atom™ D525 Dual Core 1.8GHZ	Support Intel® Core™ i7/i5 processor up to 2.66GHz	Support Intel® Core™ i7/i5 processor up to 2.66GHz	Support Intel® Core™ i3/i5/i7 desktop processor	Support Intel® Core™ i3/i5/i7 desktop processor
Memory	1x DDR3 SO-DIMM socket, up to 2GB memory	2x 240 pin DDR3 sockets, up to 4GB memory	2x 240 pin DDR3 sockets, up to 4GB memory	4x 240-pin DDR3 sockets, up to 16GB memory	4x 240-pin DDR3 sockets, up to 16GB memory
Graphics	ICH8M	QM57	QM57	Q67	Q67
Storage	1x 2.5" HDD drive bay	2x 2.5" HDD drive bay (Support Hot-swappable HDD x1)	2x 2.5" HDD drive bay (Support Hot-swappable HDD x1)	8x 3.5" HDD drive bay (Support Hot-swappable)	8x 3.5" HDD drive bay (Support Hot-swappable)
eSATA	-	2	2	-	-
RAID	-	Yes (SW Raid 0,1)	Yes (SW Raid 0,1)	Yes (SW Raid 0,1,5,10)	Yes (SW Raid 0,1,5,10)
Display Port	VGA	VGA/ DVI	VGA/ DVI	VGA/ HDMI or VGA/ DVI or DVI/ HDMI	VGA/ HDMI or VGA/ DVI or DVI/ HDMI
Gigabit Ethernet	2	2	2	2	2
COM Port (edge)	6	4	4	-	-
USB (edge)	4	6	6	6	6
Expansion	1x mPCIe for wireless communication 2x Antenna holes, 1x external accessible SIM card holder	N/A	1x PCI	N/A	N/A
Power Input	DC 9~36V	DC 9~30V	DC 9~30V	AC 100~240V	AC 100~240V
Power Ignition Module	Optional NISKIG 120	Optional NISKIG 120	Optional NISKIG 120	N/A	N/A
Operation System	Windows XP/ Win7/ WES 2009	Windows XP/ Win7/ WES 2009	Windows XP/ Win7/ WES 2009	Windows 7/ WES 7	Windows 7/ WES 7
Operation Temperature	Ambient with airflow: -20°C ~ 70°C (with industrial CF & SSD condition)	Ambient with airflow: -5°C ~ 55°C	Ambient with airflow: -5°C ~ 55°C	Ambient with airflow: 0°C ~ 45°C	Ambient with airflow: 0°C ~ 45°C
Certification	e13 Mark/ CE/ FCC	e13 Mark/ CE/ FCC	e13 Mark/ CE/ FCC	CE/ FCC	CE/ FCC
Dimension	195 mm (W) x 200 mm (D) x 90 mm (H)	195mm (W) x 268 mm (D) x 101mm (H)	235mm (W) x 268 mm (D) x 101mm (H)	437mm (W) x 534mm (D) x 89mm (H)	437mm (W) x 534mm (D) x 89mm (H)

▶ Mobile NVR

▶ Tower NVR

▶ Rack NVR

Model	 NVIS 3542P4/P8 (4/ 8-channel PoE base mobile NVR)	 NVIS 2280	 NVIS 3220	 NVIS 5240	 NVIS 6220
# of 2M Recording	support up to 32 channels	support up to 16 channels	support up to 16 channels	support up to 16 channels	support up to 32 channels
# of 2M Live View	support up to 4 channels	1 channel recommend	1 channel recommend	1 channel recommend	support up to 8 channels
Power Over Ethernet (PoE)	4/ 8x 10/100 PoE, IEEE 802.3af, 15.4W per port	4 port Gigabit PoE, 16.8W per port	8 port Gigabit PoE, 16.8W per port	-	-
CPU	Support Intel® Core™ i7/i5 processor up to 2.66GHz*	Built-in Intel® Atom™ D2700 Dual Core 2.13GHz Processor	Built-in Intel® Atom™ D2700 Dual Core 2.13GHz Processor	Built-in Intel® Atom™ D2700 Dual Core 2.13GHz Processor	Support Intel® Core™ i3/i5/i7 desktop processor
Memory	2x 240 pin DDR3 sockets, up to 4GB memory	2x DDR3 1066MHz SO-DIMM sockets, up to 4GB memory	2x DDR3 1066MHz SO-DIMM sockets, up to 4GB memory	2x DDR3 1066MHz SO-DIMM sockets, up to 4GB memory	4x 240-pin DDR3 sockets, up to 16GB memory
Graphics	QM57	ICH10R	ICH10R	ICH10R	Q67
Storage	2x 2.5" HDD drive bay (NVIS 3542P4: Support one Hot-Swappable HDD)	2x 2.5" HDD drive bay (Support Hot-wappable)	2x 3.5" HDD drive bay (Support Hot-swappable) 1x 2.5" Internal HDD bay	4x 3.5" HDD drive bay (Support Hot-wappable)	8x 3.5" HDD drive bay (Support Hot-wappable)
eSATA	2	1	1	1	0
RAID	Yes (SW Raid 0,1)	Yes (SW Raid 0, 1)	Yes (SW Raid 0,1)	Yes (SW Raid 0, 1, 5, 10)	Yes (SW Raid 0, 1, 5, 10)
Display Port	VGA/ DVI-D	VGA/ HDMI	VGA/ HDMI	VGA/ HDMI	VGA/ DVI or DVI/ HDMI or VGA/ HDMI
Gigabit Ethernet	2	2	2	2	2
COM Port (edge)	4	1	1	1	0
USB (edge)	6	2 + 2	2 + 2	2 + 4	2 + 4
Expansion Slot	-	2x mPCIe for WLAN/ WWAN communication	2x mPCIe	1x mPCIe for wireless communication	1x mPCIe and 1xPCIe X16
Power Input	DC 9~30V	DC 9~36V	DC 24V	AC 100~240V	AC 100~240V
Power Ignition Module	Optional NISKIG 120	Optional NISKIG 120	-	-	-
Operation System	Windows XP/ Win7/ WES 2009/ Linux	Windows 7 Pro/ WES7	Windows 7 Pro/ WES7	Windows 7 Pro/ WES7	Windows 7 Pro/ WES7
Operation Temperature	Ambient with air flow: -5°C ~ 55°C	Ambient with air flow: -20°C ~ 60°C	Ambient with air flow: 0°C ~ 45°C	Ambient with air flow: 0°C ~ 45°C	Ambient with air flow: 0°C ~ 45°C
Operation Vibration	MIL-STD-810F 514.5C-3 (SSD)	MIL-STD-810F 514.5C-3 (SSD)	MIL-STD-810F 514.5C-1 (HDD)	-	-
Certification	e13 Mark/ CE/ FCC	e13 Mark/ CE/ FCC	EN50155/e13 Mark/ CE/ FCC	CE/ FCC	CE/ FCC
Dimension	235mm (W) x 268 mm (D) x 101mm (H)	235mm (W) x 268mm (D) x 101mm (H)	430mm (W) x 397mm (D) x 44mm (H)	200mm (W) x 303mm (D) x 250mm (H)	437mm (W) x 648mm (D) x 89mm (H)

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