VARTECH
SYSTEMS INC.

QUALITY INDUSTRIAL LCD MONITORS & COMPUTERS
PERFORMING IN HARSH ENVIRONMENTS

VARTECH SYSTEMS INC.

VARTECHSYSTEMS.COM

QUALITY INDUSTRIAL LCD MONITORS & COMPUTERS PERFORMING IN HARSH ENVIRONMENTS

Made in America · Microsoft CERTIFIED Partner · GSA Schedule Contract GS-35F-0060P · ISO 9001:2008 REGISTERED

Industrial Grade LCDs · Sunlight Readable LCDs · NEMA 6 (IP67) Military and Marine Monitors · Rugged LCDs and Workstations · High Definition Large Screen Indoor/Outdoor LCDs · All-Weather LCDs · Industrial Panel PCs Custom Designs

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TOLL-FREE: 800.223.8050 · PHONE: 001.225.298.0300 · FAX: 225.297.2440 · SALES@VARTECHSYSTEMS.COM

| 11529 SUN BELT CT. | 6399 AMP DR. | 275 GIBRALTAR RD. STE.100 |
| BATON ROUGE, LA 70809 USA | CLEMMONS, NC 27012 USA | HORSHAM, PA 19044 USA |

ABOUT US   CONTINUED

FABRICATION

Trumpf Laser Cutting Machine
High Volume Production &
Precision Cutting

Inside the Vertical
Milling Center

New Horizontal Machining
Center, high-speed, high volume
CNC mill

MANUFACTURING & ASSEMBLY

Class 1000 Clean Room

Cabling

Special Projects Area

WAREHOUSING, TECHNICAL SALES & SUPPORT

8000 sq. ft. Parts
Warehousing

Sales Consultant Offices
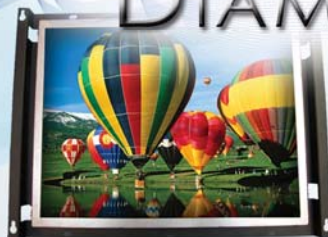

Friendly VarTech
Sales Consultant

Total Square Feet: 77,000

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DIAMONDVUE SERIES

OVERVIEW

Rugged LCD flat panel displays engineered for industrial applications where vibration, dust, dirt, water, high humidity and/or extended operational temperatures are present. Built to survive 24/7/365 constant usage in demanding operations, these robust systems are ideally suited for use throughout the factory floor and other rigorous real-world environments.

FEATURES INCLUDE

~ Industrial Grade LCD Cells (these are not repackaged consumer grade systems)
~ Exceptional Color Gamut & Image Quality
~ Bright, Crystal Clear, High Contrast Panels
~ RoHS compliant and Energy Efficient
~ Made in the USA, Quality Driven, Rugged & Reliable
~ Engineered for Demanding Applications
~ Marks of Conformity:

Screen Size	Open-Frame Chassis Mount	NEME 4 (IP65) Panel Mount	NEMA 4X (IP66) Panel Mount	Retma Rack Mount	VESA/RAM Mount	Option Low Scan 15 to 30 kHz, CGA/EGA	Native Resolution
6.4"	X	X	X				VGA
8.4"	X	X	X		X		SVGA, XGA
10.4"	X	X	X		X	Yes	SVGA, XGA
12.1"	X	X	X		X	Yes	SVGA, XGA
15"	X	X	X	X	X	Yes	XGA
17"	X	X	X	X	X	Yes	SXGA
19"	X	X	X	X	X	Yes	SXGA
20.1"	X	X	X	X	X		UXGA
21.3"	X	X	X	X	X		UXGA
24"		X			X		
32"					X		1366 x 768

ADDITIONAL FEATURES

~ Various Power Sources; 110/220 AC, 12 or 24 V DC, or 9 to 36 V DC
~ Optical Bonding for added LCD structural integrity and improved extrinsic contrast
~ Multitude of video input configurations; ARGB (15-pin), DVI, PAL/NTSC/SECAM, Composite, YCbCr, 3/4/5-wire BNC (SOG), S-Video
~ Touch Screens: Resistive, Capacitive or VarTech's Armor Touch
~ Extended operational temperature capabilities

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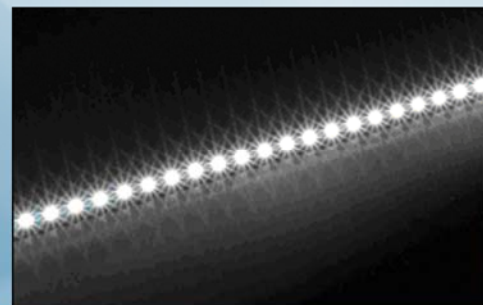
CRYSTALVUE SERIES

SUNLIGHT READABLE

OVERVIEW

Rugged LCD flat panel displays engineered specifically for use in direct sunlight or very high ambient light conditions. These robust systems are designed to survive 24/7/365 constant usage throughout demanding applications where rain, snow, high humidity, vibration, dust, dirt and/or extended operational temperatures are commonplace.

Competitors who merely add higher wattage bulbs to the backlight box certainly make the screen brighter. But the inherent contrast ratio between white and black will only 'washout' and make the video image unreadable once an LCDs brightness level is driven up beyond the panels designed capabilities. More 'nits' is simply a "selling point". The true sunlight readability of a display is equally dependant on the amount of light that is being reflected off the display. Increasing the luminance level is important, but definitely not the driving factory. VarTech meets this problem head-on with its proprietary Optical Bonding (VBOND) process. Additionally, boosting the intrinsic light utilization and efficiency of the backlight's light is crucial. Simply adding brighter bulbs doesn't address this situation. VarTech takes another step toward achieving the Most Sunlight Viewable systems on the market today; we incorporate a unique transmissive film enhancement technique to the optical stack (our OSFE).

LED BACKLIGHTING TECHNOLOGY

VarTech's LED (Light Emitting Diode) backlight design is an efficient alternative to typical CCFLs (Cold Cathode Fluorescent Lamps). Most CrystalVue models are integrated with the latest true high-brightness low-power, high reliability Solid State LED backlighting available. Luminance Levels range from 1000 to 1950 nits (cd/m2) depending on model.

This state-of-the-art technology offers several distinct and dynamic benefits:

(1) No risk of backlight hard failure and the LED array provides light-source redundancy

(2) Virtually instant warm-up and superior electrical to light efficiency

(3) LED backlights provide improved shock & vibration and improved brightness uniformity

(4) VarTech's thermally efficient designs enhance the long life characteristics of the high bright LEDs with a projected lifetime of exceeding 75,000 to 100,000 hours

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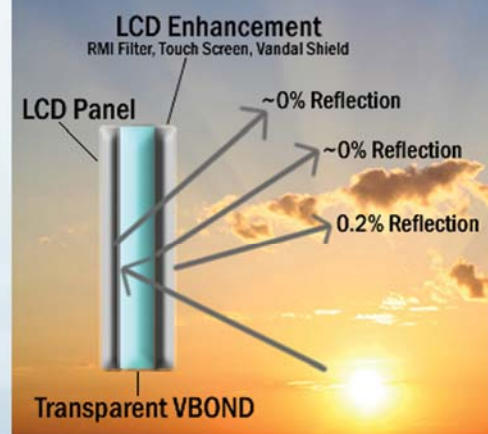
SUNLIGHT READABLE CONTINUED

OPTICAL BONDING

Now standard for ALL CrystalVue series models. VarTech's VBOND seals either a top cover glass or touch screen directly to the face of the LCD which
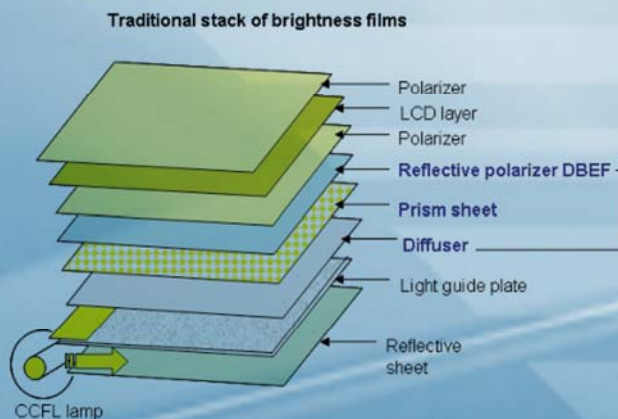
(1) significantly improves reflective light loss
(2) provides the best reduction of ambient light washout of any commercially available enhancement technology
(3) enhances structural integrity by supporting the LCD assembly with the cover glass
(4) offers superior ruggedization, including enhancing the display's durability under vibration, shock and other environmental extremes
(5) increases extrinsic contrast significantly
(6) eliminates the air-gap between LCD and touch screen overlay which (a) prevents the 'greenhouse' effect
  (b) prevents fogging and moisture build up, and
  (c) eliminates any contamination from dirt and/or other obstructive particles.

Reflection VBOND & AR Coating

LCD Enhancement
RMI Filter, Touch Screen, Vandal Shield

LCD Panel

~0% Reflection
~0% Reflection
0.2% Reflection

Transparent VBOND

OPTICAL STACK FILM ENHANCEMENT

Many CrystalVue models include VarTech's proprietary Optical Stack Film Enhancement technology (OSFE); a unique optical design which boosts efficiency of the backlight's light utilization and minimizes the surface reflection of ambient light. The result is a transmissive enhancement that features higher contrast and a wider range of colors, even in bright outdoor light, than traditional reflective LCDs. This is accomplished by: (1) Recycling what would be wasted off axis light and then redirecting light towards the viewer; (2) Reflecting and recycling polarized light which under normal circumstances 50% of the backlight output would have been absorbed into the LCD and subsequently wasted; (3) Finally, the use of a mirror-like multi-layer optical enhancement film coupled with a cavity reflector ultimately yields a brighter more efficient display.

Traditional stack of brightness films

Polarizer
LCD layer
Polarizer
Reflective polarizer DBEF
Prism sheet
Diffuser
Light guide plate
Reflective sheet

CCFL lamp

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CRYSTAL VUE SERIES

SUNLIGHT READABLE

CONTINUED

FEATURES INCLUDE

~ Industrial Grade LCD Cells (these are not repackaged consumer grade systems)
~ Exceptional Color Gamut & Image Quality
~ Bright, Crystal Clear, High Contrast Panels
~ Wide Dimming Range, even down to true black
~ RoHS compliant and Energy Efficient
~ Made in the USA, Quality Driven, Rugged & Reliable
~ Engineered for Demanding Applications
~ Marks of Conformity: CE C FC RoHS

Screen Size	Luminance cd/m2 (nits)	Back-lighting	Open Frame	NEMA 4 (IP65) Panel Mount	NEMA 4X (IP66) Panel Mount	Rack Mount	VESA/ RAM	Native Resolution
6.4"	700	CCFL	X	X	X			VGA
8.4"	1500	LED	X	X	X		X	SVGA, XGA
10.4"	1000	LED	X	X	X		X	SVGA, XGA
12.1"	1000	LED	X	X	X		X	SVGA, XGA
15"	1950	LED	X	X	X	X	X	XGA
17"	1000	LED	X	X	X	X	X	SXGA
19"	1000	LED or CCFL	X	X	X	X	X	SXGA
21.3"	750	CCFL	X	X	X	X	X	UXGA
32"	850 (Indoors) 1400 (Outdoors)	CCFL		X			X	1366 x 768

AVAILABLE FEATURES

~ Various Power Sources; 110/220 AC, 12 or 24 V DC, or 9 to 36 V DC
~ Multitude of video input configurations; ARGB (15-pin), DVI, PAL/NTSC/SECAM, Composite, YCbCr, 3/4/5-wire BNC (SOG), S-Video
~ Touch Screens: Resistive, Capacitive or VarTech's Armor Touch
~ Extended operational temperature capabilities
~ Automatic dimming sensor or manual full-range dimming

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ALL-WEATHER ALL-TERRAIN SERIES

INDUSTRIAL, MILITARY,
MARINE, MINING

OVERVIEW

VarTech's very ruggedized, submersible (IP67 – NEMA 6), harsh-duty, All-Weather - All-Terrain LCD flat panel display is engineered to survive in the most demanding applications where rain, snow, temporary water submersion, high humidity, vibration, dust, dirt, and/or extended operational temperatures are commonplace. Designed as well to be a truly sunlight readable robust display system capable of handling a diverse range of extreme environments.

Housed in a milled aluminum enclosure, this advanced display system is watertight to IP67 (NEMA 6) standards with fully sealed connectors and is light weight. Equipped with front-mounted user controls and a wide array of video input configurations. A dynamic one-button video input select feature allows the user to 'toggle' select which video input is needed at any given moment on demand.

This product family incorporates the latest optical engineering enhancements to achieve optimal "viewability" in all lighting conditions, including direct sunlight. This is accomplished by incorporating solid-state LED backlighting, augmentation to the LCDs internal film stack, and finally the optical bonding of either the outer protective overlay or touch-screen to the face of the LCD (VBOND). See the prior 'CrystalVue' section for more information.

Built to survive 24/7/365 constant usage in demanding operations, these robust systems are power-efficient, have a low heat design resulting in increased reliability and longevity required for very harsh applications and mission critical deployment.

FEATURES INCLUDE

~ Harsh Duty Industrial Grade LCD Cells (these are not repackaged consumer grade systems)
~ Rugged IP67 (NEMA 6) Submersible Machined & Milled 6061 T6 Aluminum Enclosure
~ All of the same 'Sunlight Readable' enhancements featured throughout the CrystalVue series
~ Extended Operational Temperature Capabilities: -20 to +70 C (optional -40C available)
~ Advanced Deep Dimming to True Black
~ Wide Viewing Angles
~ Exceptional Color Gamut & Image Quality
~ Bright, Crystal Clear, High Contrast Panels
~ Marks of Conformity: CE C CFC
~ Made in the USA, Quality Driven, Rugged & Reliable
~ Engineered for VERY Demanding Applications

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ALL-WEATHER ALL-TERRAIN SERIES

AVAILABLE ADD-ON OPTIONS   CONTINUED

~ Various Power Sources; 110/220 AC or 9 to 36 V DC
~ Multitude of video input configurations; Computer and Video (See Below)
~ Touch Screens: Resistive or VarTech's Armor Touch
~ Extended operational temperature capabilities
~ D38999 Military Grade Connectors
~ Night Vision (NVIS) per MIL-STD-3009 Class B Gen 3
~ EMI/EMC Per MIL-STD-461E/F
~ Programmable Function Keys

Screen Size	Luminance cd/m2 (nits)	Backlighting	RAM Mount	VESA Mount	Flush Mount	Native Resolution
8.4"	1500	LED	X	X	X	SVGA or XGA
10.4"	1000	LED	X	X	X	SVGA or XGA
12.1"	1000	LED	X	X	X	SVGA or XGA
15"	1950	LED	X	X	X	XGA

VIDEO INPUT CONFIGURATION CHOICES

STANDARD:
~ IP67 Sealed Single VGA Connector with/without Optional Touch Interface
OPTIONAL:
~ IP67 Sealed Single VGA Connector, Single Composite BNC Video Feed, with/without Optional Touch Interface
~ IP67 Sealed Single VGA Connector, Dual Composite BNC Video Feeds, with/without Optional Touch Interface
~ IP67 Sealed Single Composite BNC Video Feed
~ IP67 Sealed Dual Separate Composite BNC Video Feeds
~ IP67 Sealed Three Separate Composite BNC Video Feeds
~ IP67 Sealed Four Separate Composite BNC Video Feeds
~ IP67 Sealed Dual VGA Connectors with/without Optional Touch Interface
~ IP67 Sealed Dual VGA Connectors, Single Composite BNC Video Feed, with/without Optional Touch Interface
~ IP67 Sealed Dual VGA Connectors, Dual Composite BNC Video Feeds, with/without Optional Touch Interface
~ IP67 Sealed DVI Input Only or with Various Combinations Including VGA and BNC Video Feeds

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Phantom
MILITARY GRADE SERIES

17" AND 19" SIZES

MILITARY GRADE

Rugged Military grade LCD display systems designed to operate under the most extreme environments found in high performance jet aircraft, off-road and tracked vehicles, UAV applications, and marine and submarine environments. Engineered to be light-weight and water-tight (IP67 / NEMA 6P Sealed) and designed to withstand extreme battlefield environments with extended temperature options (MIL-STD-810F Various Methods), extreme shock and vibration, NVIS, high altitude avionics. This series is designed to meet (MIL-STD-461E). Tactile OSD button user-interfaces (MIL-PRF-22885), various mounting options, enhanced sunlight readability and MIL-STD-3009 compliance, various input and output configurations make the mil grade display operable within any military platform.

FEATURES

- ~ Milled NEMA 4 (IP65) Rated Black Powder Coated Beveled
- ~ Aluminum Gasket Sealed Front Bezel
- ~ User interface selectable inputs
- ~ Wide Viewing Angles
- ~ Deep Dimming - 0 to 100% via "Potentiometer"
- ~ Regulated 12/24 V DC, 9-36 V DC or 110/230 V AC inputs
- ~ Optically enhanced bonded glass
- ~ Superior Image
- ~ User Controlled 'Toggle' Video Input Select
- ~ VarTech's Harsh Environment Controller Board - Shock & Vibration Tolerant, Wide Operational Temperature Range
- ~ Shock: MIL-S-901D
- ~ Vibration: MIL-STD-167
- ~ EMI/EMC: FCC Class B (optional 461E)
- ~ Environmental Design: MIL-STD-810F
- ~ MIL-STD-1275 - wide range DC power input 9-36 VDC (12 VDC, 24 VDC, 28 VDC nominal)
- ~ MIL-DLT-38999 Series connectors.

Also check out our All-Weather All-Terrain series for smaller sized Military & Marine grade display systems.

AVAILABLE OPTIONS INCLUDE:

- ~ Sunlight Readable - Ready for all environments (1000 cd/m2, nits)
- ~ Various Touch Screens
- ~ Extended Operational Temperature Capabilities
- ~ NVIS per MIL-STD-3009 Class B Gen 3
- ~ Avionics Optical Bonding for High-Altitude use

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POWERVUE SERIES
MARINE GRADE
17" AND 19" SIZES

MARINE GRADE

Marine Bridge System LCD Displays suitable for bridge control display, navigation, monitoring & Surveillance, and Ship Automation. Our Marine Bridge System Displays comply with anti-shock, anti-vibration, and can be customized to include options such as integrated touch screens and Sunlight Readability Technology.

FEATURES

~ Milled NEMA 4 (IP65) Rated Black Powder Coated Beveled
~ Aluminum Gasket Sealed Front Bezel
~ User interface selectable inputs
~ Wide Viewing Angles
~ Deep Dimming - 0 to 100% via "Potentiometer"
~ Regulated 12/24 V DC, 9-36 V DC or 110/230 V AC inputs
~ Optically enhanced bonded glass
~ Superior Image
~ User Controlled 'Toggle' Video Input Select
~ Designed to comply with 60950 & 60945
~ Type Approval pending

AVAILABLE OPTIONS
INCLUDE:

~ Sunlight Readable - Ready for all environments (1000 cd/m2, nits)

~ Various Touch Screens

~ Extended Operational Temperature Capabilities

FRONT VIEW

REAR VIEW
(HIGH-BRIGHT TYPE)

REAR VIEW
(STANDARD TYPE)

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VARTECH SYSTEMS INC.

ToughStation
INDUSTRIAL NEMA 4(IP65) & NEMA 4X(IP66) HMI SYSTEMS

NEMA 4 (IP65) AND NEMA 4X (IP66)
ENCLOSED INDUSTRIAL COMPUTERS, INDUSTRIAL WORKSTATIONS, & RUGGED PANEL PC COMPUTERS

OVERVIEW

VarTech's NEMA 4 or 4X (IP65 / IP66) rugged industrial workstations, fully-enclosed all-in-one LCD touch screen computers and Panel PCs are designed to be placed in a variety of industrial, food processing or other process control environments requiring extra protection from extensive corrosive environments where the intrusion of dust, rain, hose directed water, applications where corrosive materials (for example saltwater) and caustic cleaners are used, sanitary poultry processing facilities (where total wash-down with disinfectants occur repeatedly), petro-chemical refineries and offshore drilling platforms for oil and natural gas. All NEMA 4X (IP66) models are gasket sealed and constructed from 316 stainless steel.

FEATURES INCLUDE

~ NEMA 4 (IP65) or NEMA 4X (IP66) Environmental Protection
~ Water Proof and Dust Proof
~ Flexible Mounting options
~ Direct or KVM cabling to host
~ Powered by Intel Dual-Core or Atom Processors
~ SATA Fast Access Disk Drive or Solid State Media
~ Various Windows Operating Systems
~ Expansion Capabilities
~ Extended Operational Temperature options
~ Bottom or rear located input connectors, customer's choice
~ Marks of Conformity: ⒨ ℂℰ ℂ FC RoHS ⊠

TOUGHSTATION HAZARDOUS AREA

HAZARDOUS AREA

CLASS 1
DIVISION 2

OVERVIEW

VarTech's rugged Hazardous Area industrial operator interface workstations and computer systems allow for the placement of totally enclosed computers into various areas classified as hazardous (explosive or flammable).

FEATURES INCLUDE

~ NEMA 4X (IP66) Environmental Protection

~ Water Proof and Dust Proof

~ Flexible Mounting options

~ Powered by Intel Dual-Core or Atom Processors

~ SATA Fast Access Disk Drive or Solid State Media

~ Various Windows Operating Systems

~ Integrated Purge System for C1D1 Applications

~ Non-Purged C1D2 Designs

~ Marks of Conformity: (MET) CE C FC RoHS

All Class 1 Division 2 products have been tested, examined, and found to comply with the applicable requirements of UL60950-1/CSA C22.2 No. 60950-1, First Edition: Safety of Information Technology Equipment, Rev. July 7, 2006, UL1604, Third Edition, Rev. February 3, 2004: Electrical Equipment for Use in Class I, Division 2 Hazardous (Classified) Locations, CSA C22.2 No. 213- M1987, First Edition, Reaffirmed 1999: Non-incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations.

These products have been tested and found to comply with the requirements of UL60950-1/CSA C22.2 No. 60950-1, UL1604, Electrical Equipment for Use in Class I Hazardous (Classified) Locations, CSA C22.2 No. 213- M1987.

EN 60950-1: 2006, IEC 60950-1: 2005
FCC47 CFR part 15, subpart B
EMC: EN 55022:2006, EN 55024:1998, CISPR 22:2005, CISPR 24:1997
Canada: ICES-003
Australia/New Zealand: AS/NZS CISPR 22
CE
RoHS
WEEE
(MET) CE C FC RoHS

EXPLOSIVE

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POWERCUBE2, POWERCUBE MOBILE & SUPERCUBE2
POWERFUL RUGGED SMALL FORM FACTOR COMPUTERS

POWERCUBE2 COMPUTER

The PowerCube delivers the ultimate in high performance, continuous use, rugged embedded computing. - Rugged, Industrial, Versatile Mounting Options

FEATURES INCLUDE

~ Powerful T4500 2.30 GHz 800MHz FSB Intel Dual Core
~ Small Mechanical Footprint
~ Intel ®GME965 GMCH Gen4 integrated graphics engine
~ High-Performance SATA Fast Access Disk Drive
~ Various Optional Mounting Brackets
~ WINDOWS XP Pro (Other O/S Available)
~ 3RS-232 Com Ports, 2LAN Ports, 6 USB 2.0, 2x IEEE 1394a
~ Optional Dual PCI Expansion Available

Marks of Conformity:

SUPERCUBE2 COMPUTER

This fan-less embedded computer system is an excellent solution for demanding real-world environments such as Mobile, Marine and Transportation - Fanless, Versatile Mounting Options

FEATURES INCLUDE

~ Intel Atom N270 1.6GHz
~ 2GB DDR2 SDRAM SO-DIMM
~ High-Performance SATA Fast Access Disk Drive
~ 2 Network, 4 USB, 4 RS-232, 1 VGA, 1 PS/2
~ Fanless; external heat exchanger
~ Compact footprint for limited / restricted space
~ Windows XP Professional SP3 (Other O/S Available)

POWERCUBE MOBILE COMPUTER

The PowerCube Mobile is a rugged, small-form factor, high performance, mobile computer ideal for demanding applications such as mobile environments.

FEATURES INCLUDE

~ Powerful i5 Intel Processor (Optional i3 and i7)
~ Ultra-Slim Low Profile
~ High-Performance SATA Fast Access Disk Drive
~ Optional Shock Mount Configuration
~ Windows 7 Professional 32 bit (Other O/S Available)
~ 2 Ethernet, 4 RS-232, 1 PS/2 keyboard, 1 PS/2 mouse, 1 VGA,
   1 HDMI, 1 Display Port, 1 MIC-in/Line-in/Line-out or Speaker-out

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VARTECH
SYSTEMS INC.

LARGE SCREEN INDUSTRIAL GRADE TFT DISPLAYS
LARGE SCREEN MONITOR SERIES

AVAILABLE IN 32" - 55" SIZES

OVERVIEW

You can count on our Large Screen Display Systems to perform above expectations. They are constructed with a heavy-duty durable frame, require low maintenance, produce exceptionally high contrast ratios and offer multiple video input connectors including, RGB, D-sub 15pins, DVID 24pin, Component, S-video, Composite and RS-232. The large screen systems are also compatible with a variety of video input signals such as, 0.7Vp-p / 75 ohm, Digital NTSC/PAL.

IDEAL LARGE SCREEN MONITOR APPLICATIONS
Control Rooms ~ Manufacturing ~ Advertising ~ TV Walls ~ Hotels ~ Theaters ~ Casinos
Flight and Public Information Displays (FIDS, PIDS) ~ Sports Venues ~ Restaurants and Bars
Government and Public Spaces ~ Conference and Training Facilities

	32"	42"	32" & 46" Sunlight Readable	55"
TFT Active Display	Yes	Yes	Yes	Yes
Resolution	1366 x 768 (WXGA)	1920 x 1080 **HD 1080p**	32" - 1366 x 768 (WXGA) 42" - 1920 x 1080	1920 x 1080 **HD 1080p**
Luminance	480 nits (cd/m2)	450 - 650 nits (cd/m2)	850 nits cd/m2 to 1400 nits cd/m2	450 nits (cd/m2)
16.7 M (8-bit color)	Yes	Yes	Yes	Yes
Viewing Angle	176°	176°	176°	176°
Contrast Ratio	3000:1	5000:1	1000:1	4000:1
Temperature	Operating: 0° to 35°C (32° to 95°F)	Operating: 0° to 35°C (32°F to 95°F)	Operating: - 40°C to 60°C (- 40°F to 140°F)	Operating: 0°C to 35°C (32°F to 95°F)
Aspect Ratio	16:9	16:9	16:9	16:9
Humidity	85% operating	85% operating	85% operating	85% operating
PIP, PBP, Zoom	Yes	Yes	46" (32" - Call)	Yes
Power Source	100 - 240 VAC Universal	100-240 VAC Universal	220-240 VAC, 50/60 Hz 2.5A	100 - 240 VAC Universal
Power Consumption	<230W (max) Normal Operation	Normal Operation ≦ 231 W (Max.) Stand By ≦ 1 W	200 W (max) 32" / 500 W (max) 42"	≦ 273W
Touch Screen	optional	optional	optional	optional
Optical Bonding	optional	optional	standard	optional

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11529 SUN BELT CT.
BATON ROUGE, LA 70809 USA

6399 AMP DR.
CLEMMONS, NC 27012 USA

275 GIBRALTAR RD. STE.100
HORSHAM, PA 19044 USA

SPECIAL OEM REPLACEMENT & PROCESS CONTROLS DISPLAYS

CNC MACHINE TOOL

We have built monitors directly for machine tool manufacturers such as GE Fanuc, GE, Allen Bradley, Cincinatti, Sodick. VarTech understands the market, and the harsh industrial environments of the production floor. Our monitors are built to withstand these demanding conditions. No matter the screen size, video pin-out configuration, video standard or mechanical fit, we have a solution.

FACTORY AUTOMATION

Managing costs is key to success. A failed monitor results in stalled production creating a stressful situation. VarTech can help minimize your down time and manage costs by providing OEM quality LCD displays to replace obsolete CRT based monitors with cost-effective LCD kits that you can afford. With a history rich in designing and building industrial displays for manufacturers such as Xycom, Rockwell Automation and GE Fanuc, we can provide monitors that surpass even OEM quality at a very competitive price points.

PROCESS CONTROL

VarTech recognizes the unique requirements for the process control marketplace. Maintaining existing equipment is key to managing costs. Replacing large, old obsolete CRT based monitors is easy and cost-effective with our Legacy Pixel Controller. By special development of our own Signal Recognition and Scaling software, and access to an extensive library of older signal timings gained from 25 plus years of CRT monitor manufacturing, VarTech has created a Multiscan ("Universal:) flat panel monitor with unique 15kHz to 64kHz display capabilities.

Many models accept a wide range of specialty non-VESA standard video formats such as Honeywell TDC3000, ABB MOD300, Bailey Infi90, Fisher ProVox, and many many others. These industrial-grade RGB monitors employ a state-of-the-art multi-sync design featuring on-screen display and digital controls with horizontal scan frequencies ranging from 15-50kHz for slow scan applications and 30-121kHz for fast scan high flicker-free refresh rates such as VGA, SVGA, XGA. SXGA and UXGA computer display formats.

Manufacturers Supported:
- ABB
- Advanced Controls
- Allen-Bradley
- Bailey
- Cutler Hammer
- Encore / Gould
- Ferranti
- Fisher Rosemount
- Forney Engineering
- Foxboro
- GE Industrial Systems
- Harris
- Honeywell
- Johnson Controls
- Landis & Gyr
- Leeds & Northrup
- Max Controls
- Measurex
- Modicon
- Modcomp
- Moore
- NDC
- Nematron
- Rockwell Automation
- Siemens Automation
- Valmet
- Westinghouse
- Xycom
- Yokogawa

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REPAIR / REFURBISHMENT / RETROFIT SERVICES

INDUSTRIAL MONITOR REPAIR PROGRAMS FOR LCD, CRT AND OEM DISPLAYS

OVERVIEW

VarTech Systems Inc. provides LOW COST, RAPID INDUSTRIAL MONITOR REPAIR (usually 1-3 day turnaround time) or total refurbishment of industrial grade CRT monitors and LCD flat panel displays from low-resolution monochrome to high-resolution color. Our repair capabilities include picture tube or LCD replacement, integrated CRT high voltage flyback replacement, LCD inverter & driver boards, and component level repairs, as well as comprehensive factory remanufacturing.
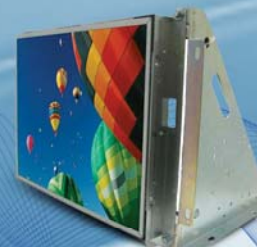
Our factory trained engineers and technicians service analog and digital boards, power supplies, and touch systems. Printed circuit board repairs include EXTENSIVE TESTING of all internal functions. To ensure product integrity, all boards are 100% system tested. We offer Free Evaluation...meaning there is no charge for initial bench-time. If we are unable to fix the monitor or should you elect not to go forward with the repair process...you owe us nothing. VarTech is committed to providing the highest level of industrial monitor repair service in the industry.

We offer basic repair services as well as total remanufacturing refurbishment programs for just about any CRT or LCD model ever built.

RETROFIT PROGRAM

Our TFT LCD Retrofit Kits revitalize your aging CRT-based displays with a brand new, state-of-the-art TFT color LCD and video kit. The LCD system interfaces at the digital level, producing a crisp, clear picture. Our interface is transparent to the existing electronics, and all features and capabilities of the old CRT display are preserved, including unique mechanical fit.
We can also retrofit convert any CRT based monitor to LCD technology, no matter the brand. Call us today to find out how we can help you keep your equipment running for the best return on investment.

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VarTech Systems Inc.

ISO 9001:2008 REGISTERED

DUNS Number: 840912190
GSA Contract Number: GS-35F-060P

Products and Services Overview:

Industrial Flat Panel Displays
Stainless Steel NEMA 4X (IP66) Flat Panels
NEMA 4/4X (IP65/66) Computers and Workstations
High Bright Sunlight Readable Flat Panels
Hazardous Area Certified Products
Ruggedized CRT Monitors
Military / Marine Flat Panel Displays
Small Form-Factor PCs
OEM Special Displays
CRT Replacements
Custom Design Products
Repair and Remanufacture Services of CRT and LCD Displays

Business Size:
Small

Geographic Scope of Contract:
Worldwide

CORPORATE OFFICE	MANUFACTURING FACILITY	COMPUTER DESIGN & METAL FABRICATION FACILITY
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