

VARTECHSYSTEMS.COM



VARTECH SYSTEMS INC.

QUALITY INDUSTRIAL LCD MONITORS & COMPUTERS
PERFORMING IN HARSH ENVIRONMENTS



VARTECH SYSTEMS INC.



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QUALITY INDUSTRIAL LCD MONITORS & COMPUTERS
PERFORMING IN HARSH ENVIRONMENTS



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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PANEL PCs, HAZARDOUS AREA SYSTEMS

POWERCUBE & SUPERCUBE

POWERFUL RUGGED SMALL FORM FACTOR

COMPUTERS



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ABOUT US

THE COMPANY

VarTech Systems is a worldwide leader of industrial and marine/military grade LCD flat panel rugged displays, panel PCs, industrial computer systems and hazardous area workstations. Ranked by Deloitte & Touche as one of the fastest growing technology companies, VarTech Systems leads the technological forefront for exceptional quality and very highly engineered products. In business since 1988, VarTech Systems supports customers from around the globe with industrial touch screen computers and LCD technology; systems designed to protect against excessive thermal conditions, as well as shock and vibration; and sealed enclosures engineered to survive the harshest environments or situations. With superior engineering, experience and innovation, we provide customers with high-quality, proven and reliable intelligent flat-panel display technology and rugged computing platforms. With three North American facilities, VarTech Systems also provides customized design and manufacturing services to many of its customers including mining companies, military forces, prime contractors and commercial sectors worldwide.



FABRICATION

VarTech controls all aspects of engineering design and metal fabrication, so we're dependant on no outside third-party production workshop. Our fully equipped 41,000 square feet state-of-the-art fabrication facility is located in Clemmons, North Carolina. Our production floor is outfitted with a precision cutting, high-volume laser system; various milling stations; a number of shears & press brakes; a water-jet system for gasket production and prototyping; and much, much more. Flexibility of operation enables us to manufacture anything from a unique fabrication to a volume run of standard products using computer aided manufacturing techniques.



MANUFACTURING AND ASSEMBLY

Located in Horsham, Pennsylvania, our fully-integrated 24,000 square foot facility is dedicated to systems production and provides top quality equipment. Also housed within this operation is our Class 1000 clean-room dedicated to LCD panel optical bonding. Quality management systems and detailed procedures coupled with skilled and experienced staff ensure the end product is manufactured to the highest standards.

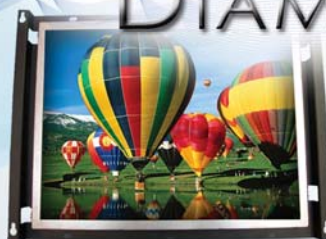


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DIAMOND VUE SERIES

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	NEMA 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		

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



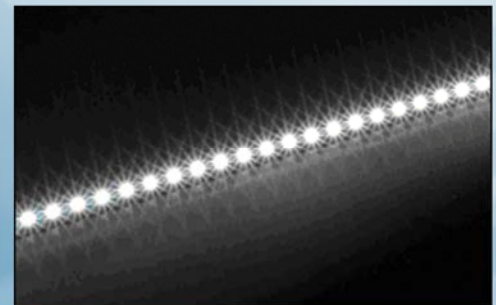
OVERVIEW

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 LCD's 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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CRYSTALVUE SERIES

SUNLIGHT
READABLE

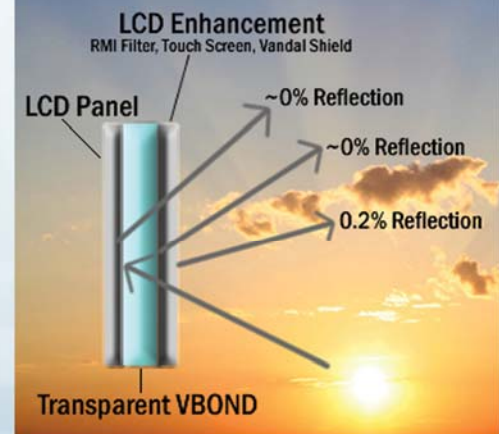


OPTICAL BONDING

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

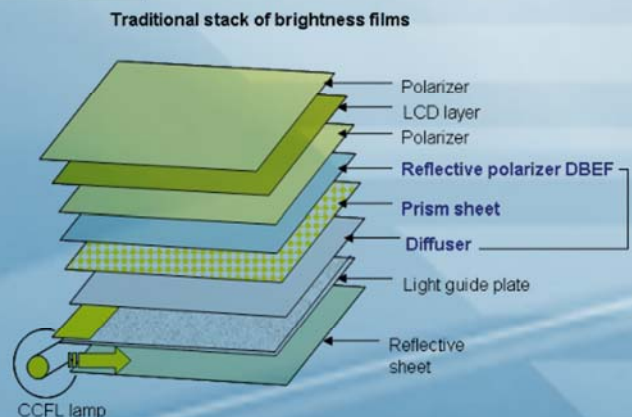
- (1) significantly improves reflective light loss
- (2) provides the best reduction of ambient light washout of any commercially available enhancement technology
- (3) enhances structural integrity by supporting the LCD assembly with the cover glass
- (4) offers superior ruggedization, including enhancing 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



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.



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CRYSTALVUE SERIES



SUNLIGHT
READABLE



FEATURES INCLUDE

CONTINUED

- ~ 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:

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

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.

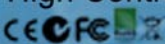
Housed in a milled aluminum enclosure, this advanced display system is watertight to IP67 (NEMA 6) standards with fully sealed connectors and is light weight. Equipped with front-mounted user controls and a wide array of video input configurations. A dynamic one-button video input select feature allows 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: 
- ~ 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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POWERVUE SERIES

MILITARY AND MARINE GRADE
17" AND 19" SIZES
COMING SOON



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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POWERVUE SERIES

MILITARY AND MARINE GRADE

COMING SOON

CONTINUED

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.

17" AND 19" SIZES



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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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:    



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TOUGHSTATION HAZARDOUS AREA



HAZARDOUS AREA







CLASSES 1, 2, 3
DIVISIONS 1 & 2



OVERVIEW

VarTech's rugged Hazardous Area industrial operator interface workstations and computer systems allow for the placement of totally enclosed computers into various Hazardous Location 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:    

VarTech offers full NEMA 4X (IP66) workstations and computers with HazLoc protection classifications:

- ~ Class 1, Division 1, Groups C, D, and optional A & B
- ~ Class 1, Division 2, Groups A, B, C, D
- ~ Class 2, Division 1, Groups E, F, and G
- ~ Class 2, Division 2, Groups E, F, and G
- ~ Call for Zone & ATEX Support

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 and II, Division 2, and Class III 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 and II, Division 2, and Class III 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



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POWERCUBE & SUPERCUBE

POWERFUL RUGGED SMALL FORM FACTOR COMPUTERS



OVERVIEW

Rugged, Efficient yet Powerful, Small-Form Factor Systems specially designed for long-term operation in extreme harsh environments such as Automation, Heavy Vehicle, etc.

POWERCUBE COMPUTER

Engineered with the latest technology including Intel's Powerful T4500 2.30 GHz 800MHz FSB Intel Dual Core, 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
- ~ Rugged Aluminum Enclosure
- ~ High-Performance 320GB 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:



SUPERCUBE COMPUTER

Engineered without cooling fans, the rugged extruded heat-exchanger and aluminum enclosure acts as a heat-sink to dissipate internal heat and provide ultra quiet continuous operation. The SuperCube offers advanced rugged design, compact dimensions (7.5" x 6.5" x 4.5"), and superior functionality. This fan-less embedded computer system is an excellent solution for demanding real-world environments such as Mobile Applications, Marine Navigation, Industrial Human/Machine Interface, Interactive Kiosks, Embedded Control, Digital Signage, and Thin-Clients applications. - Fanless, Rugged, Industrial, Versatile Mounting Options

FEATURES INCLUDE

- ~ Intel Atom N270 1.6GHz
- ~ 2GB DDR2 SDRAM SO-DIMM
- ~ High-Performance 320GB SATA Fast Access Disk Drive
- ~ Six USB; five serial; standard audio & video, two LAN
- ~ Fanless; external heat exchanger doubles as case lid
- ~ Ruggedized construction
- ~ Compact footprint for limited / restricted space
- ~ Various mounting options for shock and mobility
- ~ WINDOWS XP Pro (Other O/S Available)



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

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



VARTECH
SYSTEMS INC.



VARTECHSYSTEMS.COM

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, Cincinnati, 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.

FACILITY 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.

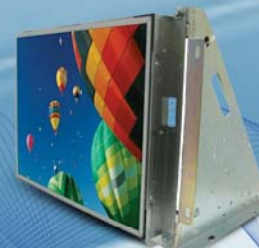
Our factory trained engineers and technicians service analog and digital boards, power supplies, and touch systems. Printed circuit board repairs include EXTENSIVE TESTING of all internal functions. To ensure product integrity, all boards are 100% system tested. We offer Free Evaluation...meaning there 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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CONTACT US

VarTech Systems Inc.

DUNS Number: 840912190

GSA Contract Number: GS-35F-060P

ISO
9001:2008
REGISTERED

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

11529 Sun Belt Ct.
Baton Rouge, Louisiana
70809 USA

MANUFACTURING FACILITY

275 Gibraltar Rd. Ste.100
Horsham, Pennsylvania
19044 USA

COMPUTER DESIGN & METAL FABRICATION FACILITY

6399 Amp Dr.
Clemmons, North Carolina
27012 USA



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