



VARTECH
SYSTEMS INC.



LARGE SCREEN INDUSTRIAL GRADE TFT DISPLAYS

LARGE SCREEN MONITOR SERIES



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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" <i>Sunlight Readable</i> | 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" | 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 |

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

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6399 AMP DR.
CLEMMONS, NC 27012 USA

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



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32" LARGE SCREEN INDUSTRIAL OUTDOOR DISPLAY

NEMA 4 (IP65) SUNLIGHT READABLE LCD

AVAILABLE IN 32" (OPTIONAL 46")

ALL-WEATHER 32" LARGE SCREEN OUTDOOR DISPLAY

Perfect for outdoor digital signage, walkway advertising, kiosks, etc. Vartech's All-Weather Ultra Rugged Widescreen 32" model is built for the rigors of outdoor use and harsh weather conditions. This unit offers various mounting options, vandal resistance, auto brightness control and an extremely wide temperature range. It also features wide viewing angles, 16:9 aspect ratio, high brightness levels and high contrast ratios.

Panel Type

TFT Active Matrix LCD

Resolution Capabilities

32.0" - VT320VHB- 1366 x 768
46.0" - VT460X - 1920 x 1080

Color Depth

24 bit/16.7 Million Colors

Pixel Pitch

.5107 mm

Viewing Angle

32.0" - VT320VHB - 176° v, 176° h
46.0" - VT460X - 170° v, 170° h

Aspect Ratio

16:9

Orientation

Portrait or Landscape

Environmental Protection

NEMA 4 (IP65)

Luminance

Sunlight Readable

Input Signal:

DVI, Composite, S-Video,
VGA

Supply Voltage:

120 VAC, 50/60 Hz 5A

International Supply Voltage:

220-240 VAC, 50/60 Hz 2.5A

Thermal Management System

Power Consumption

200 W (max) 32"
500 W (max) 42"

Operating Temperature

-40° to +60° C (-40° to 140° F)

Impact Resistant Glass

Yes

Warranty

1 year



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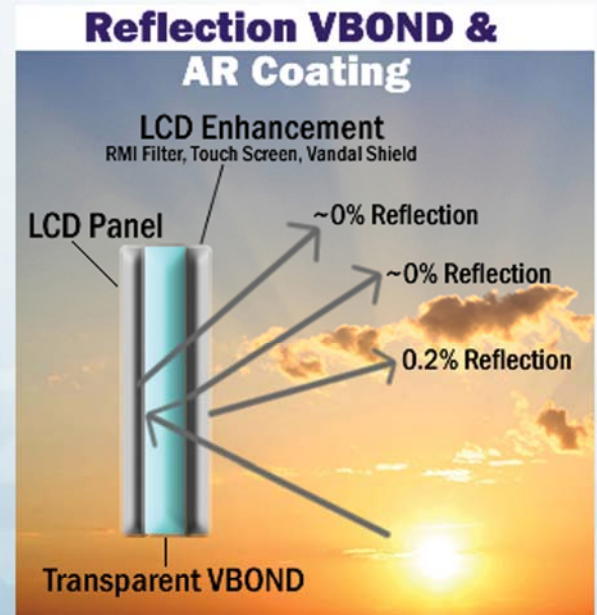
LARGE SCREEN MONITOR SERIES



C O N T I N U E D

Any VarTech monitor integrated with our VBOND process is equipped with a UV protected solid, transparent bond. VarTech's unique optical bond eliminates reflection from the two internal layers and utilizes an adhesive that matches the index of refraction of the flat panel and the overlay. As well, the outer surface of the protective window is chemically treated with antireflecting coatings which matches the front surface of the glass with the index of refraction of air. This combination reduces the total reflection of the display and front cover glass to less than 2% of the ambient light. A reduction of reflection of this level, all but eliminates reflective loss in most ambient lighting conditions. With reductions of this level, displays with 250 to 450 nits of brightness (cd/m²), traditionally not viewable in direct sunlight,

will now be readable in very high ambient brightness or indirect lighting conditions. This method also removes all air gaps, therefore reducing the number of internal reflecting surfaces which can lead to significant degradation of the LCD's optical performance plus eliminating screen contaminants. Since VarTech supports a number of industrial, marine and military markets there exists a number of add-on choices which can be integrated into the VBOND process to address our customer's specific environmental needs.



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OPTICAL TOUCH

VarTech's Optical Imaging touch screen technology, VOI, uses scanning optical cameras to sense a 2-dimensional 'field' which, when interrupted by a touch, uses sophisticated algorithms to return a point coordinate. VOI uses no surface coating so it doesn't degrade the image quality in any way. This also means surface scratches and contamination will not affect the touch screen performance. VOI provides touch sensitivity to the entire screen, corners included, and accuracy is guaranteed. VOI requires only one calibration because there is no drift with optical imaging technology.

VOI FEATURES

Plug-and-Play

VarTech's new touch solutions do not require special software drivers; they incorporate HID compliant USB plug-and-play interfaces.

High Clarity of Image

This technology uses optical components. No surface coatings are used on the screens - hence images are kept crystal clear.

Light Touch

Any method can be used to touch the screen: a finger, a gloved hand or any pointer. Only a light touch is required.

Whole Screen Coverage

Optical imaging technology provides touch sensitivity over the whole screen, including the corners. With over 400,000 touch points, accuracy is guaranteed.

Once-only Calibration

Optical imaging technology touchscreens are calibrated just once at commissioning time. The technology provides continuous operation with no drift, no need to recalibrate.

Robust

Because optical imaging technology solutions don't employ surface coatings, the customer-facing screen is not affected by scratches or contamination. Also, the products can be easily sealed for resistance to dirt, dust and moisture, making them ideal for demanding public environments. VOI's touchscreen system is modular so that component parts can be replaced in the event of failure or damage.

Additional Functionality

Provides two-touch capability (reading two touch points at one time), middle mouse-key scrolling and object size recognition. Diagnostic utilities are also available.

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CONTACT Us

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

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