

VividImage® Medical Grade Widescreen Monitor Series 42" & 55"



The new VividImage® 42" & 55" Widescreen Monitors are engineered with leading-edge LCD technology delivering exceptionally crisp, realistic images. The design of these medical grade monitors incorporates features and functions requested by healthcare professionals.

The new VividImage® Widescreen Monitors have all the same features and functionality as their predecessors yet with additional functionality that benefits the healthcare practitioner.

- **Protective Glass** – protective, anti-reflective glass layer enhances viewing, increases durability and complies with Cleaning, Disinfecting, and Sterilization (CDS) initiatives.
- **DICOM Calibration** – DICOM (Digital Imaging and Communications in Medicine) is a network protocol for the transmission of medical images, including PACS. DICOM calibration of the monitor is important to ensure that images are displayed consistently every time they are viewed. Preset gamma tables can be adjusted by the user within the DICOM curve.
- **High Contrast** produces vivid colors and high definition images
- **True color** reproduction for consistency and clarity
- **Multi-language displays** – on-screen menus can be displayed in English, Spanish, French, German, Italian, and Chinese
- **Store user profile** – store and recall up to 5 user profiles for quickly setting monitor to preferred picture and color settings.
- **Sophisticated, broadcast-quality signal processing** produces sharp, precise, bright images with minimized image lag. Images are displayed in near-real time.



VividImage® 42" Wide Screen Monitor

- **Complete support** for Analog and Digital HD at 1920 x 1080 resolution
- **DVI and 3G-SDI inputs** – ready for the latest in robotics, laparoscopy, endoscopy and other imaging technologies
- **Open architecture design** supporting multiple analog and digital video inputs
- **Advanced black-level and brightness controls** for procedure-specific adjustments
- **Embedded Auto Luminance Stabilizer (ALS)** – when enabled, monitor brightness automatically changes in response to ambient room lights
- **Wide viewing angle** of 176 degrees gives everyone in the room a clear, bright image view
- **Fan-less design** avoids the spread of contaminants and generates a noise level below the limit of hearing
- **Picture-and-Picture (PAP), Picture-in-Picture (PIP)** – PAP provides a view of two images side by side, in split screen. PIP provides a secondary image window inside the primary image window. Size and position of PIP is easily configured.

VividImage® Medical Grade Widescreen Monitors

Features

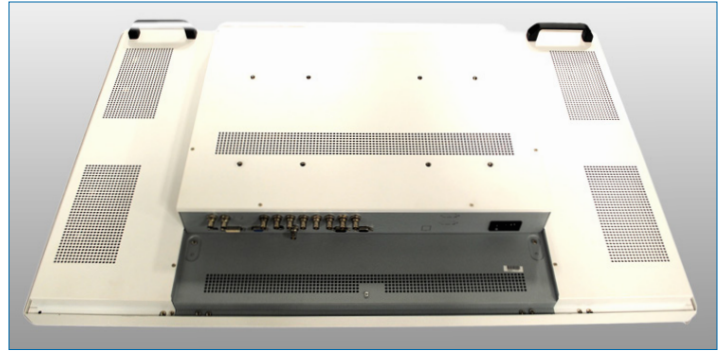
- Protective anti-reflective glass
- DICOM calibrated
- Aluminum case
- Fan-less design

Medical Compliance

- FDA registered & UL listed
- Meets medical, safety and emissions standards

Target Market – Healthcare

- Operating Rooms
- Procedure Rooms – including but not limited to:
 - ▶ Gastroenterology, ENT, Urology, Gynecology, ICU, Interventional Radiology
- Teaching Facilities
 - ▶ Simulation and Bio-skills labs
- Conference Rooms



Rear view of monitor (top) and close-up of ports

Technical Specifications

	42"	55"
LCD panel		
Technology	Active matrix LCD	
Native resolution (H x W)	1920 x 1080	
Active screen diagonal	42"	55"
Visual characteristics		
Brightness	450 cd/m ²	
Contrast ratio	5000:1	4000:1
Aspect ratio	16:9	
Viewing angle	176°	
Connectivity		
Inputs	Composite, 3G-SDI, VGA, HDMI, RGBS/YPbPr, S-Video, DVI	
Control	Serial RS232	
Output	RGsB/YPbPr, 3G-SDI	
Physical characteristics (in/mm)		
Width	40.3 / 1023	51.5 / 1307
Height	25.4 / 644	31.25 / 794
Depth	5.5 / 140	6 / 152
Weight (lb/kg)	70.5 / 32	134 / 61
Operating temperature	41° to 95° F / 5° to 35° C	
Storage temperature	-4° to 140° F / -20° to 60° C	
Power		
Power requirements	180 watts max	210 watts max
Voltage monitor input	100 - 240V AC	



VTS MEDICAL SYSTEMS®

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