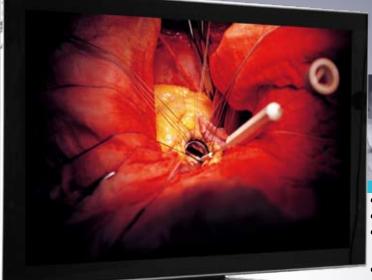
PACSmateTM





MP diagnostic color display

- 30" color TFT LCD
- 4MP-2560(H) x 1600(V)
- Max. luminance: 300cd/m²

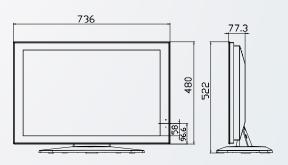
Max. calibrated luminance: 240cd/m²

- Built-in front sensor for calibration and auto-dimming function
- Out-of-box DICOM compliant
- Selectable Gamma 1.8,2.0,2.2 Calibration
- Single 4MP and dual 2MP viewing setups
- Intelligent display mode auto adjustment with graphic card auto detection
- Ready for Deep color and HDMI™ 1.3 with GrayEasy® technology and 30-bit color dithering
- Intelligent color-to-gray conversion for grayscale applications
- IPX2 compliance



ngle 4MP viewing mode &





Multiple Viewing Modes & Color to Grayscale Technology

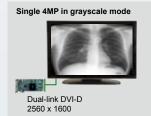
Single Viewing Mode

In single viewing mode, the MMD-4300C is displayed as a single 4MP monitor, either in color or in grayscale mode.

Scale Technology Dual Viewing Mode In dual viewing mode Mile

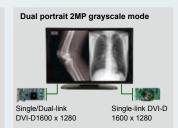
In dual viewing mode, MMD-4300C is configured to display as seamless dual 2MP monitor by two DVI signal inputs. With color to grayscale technology, MMD-4300C can viewed by multiple modes without change to your PACS configuration. The independent Look-Up-Table for DICOM and Gamma calibration ensures the best display quality for diagnostic applications.





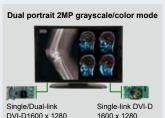
4MP **30**55

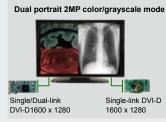
Single/Dual-link DVI-D1800 x 1280 Dual portrait 2MP color mode Single-link DVI-D 1600 x 1280



GrayEasy® 30-bit Deep Color

30-bit color image (10-bit for each RGB element) can be displayed on PACSmateTM monitors without any image loss. Through IEI's unique GrayEasy® technology, there's no need to replace the monitors for future HDMI 1.3 supported deep color display capabilities.





User Selectable Gamma Settings and Color Temperature Settings

IEI provides you with flexible Gamma settings and color temperature settings for side-by-side image comparison in dual-viewing modes. The independent Gamma settings (for Gamma 1.8,2.0,2.2) and color temperature settings (6500°K, 9300°K) consist of multiple user-selectable settings, providing flexible display modes for images from different modalities.









Gamma 2.2

Gamma 2.0 Gamma 1.8



Color Temperature Settings

IPX2 Compliance

The whole enclosure of MMD-4300C is compliant with IPX2 waterproof standard. The MMD-4300C can be used in the operating room where is humid and waterproof is considered important.

Auto-Dimming for Ambient Light Adjustment

The auto-dimming function helps create better diagnostic experience under proper light condition and extend backlight lifetime







Well-Lit Room

Built-in Front Sensor for Continuous DICOM Calibration

IEI has designed a built-in, front-mounted sensor which continually adjusts the luminance output to ensure consistent images over time.



Graphic Card Compatibility





nVIDIA QUADRO FX560/FX1500 nVidia GeForce 8600GT

Matrox MED series





RealVision SMD PCI-X series RealVision SMD Advance series

ATI V7100/V3400

Packing List

PACSmate™ Series medical LCD monitor
Monitor stand
Power Cord (US x 1, EU x 1)
DVI-D Signal Cable
USB Cable
GeniSPOT® USB Calibrator
Utility CD-ROM (for user's manual, software utility, and GeniPASS® QC software)

Ordering information

Part No.	Description
MMD-4300C 4MP	4 megapixel, 30" color LCD monitor with IPX2 housing
MMD-4300Cx 4MP	4 megapixel, 30" color LCD monitor with IPXX housing

Specifications

Drive System a-Si TFT active matrix Display area (H x V) 641.3mm x 400.8 mm Diagonal size of display 75.6cm (30.0 inches) Resolution (H x V) 2560 x 1600 Pixel pitch (H x V) 0.2505mm x 0.2505 mm Sub-pixel pitch (H x V) 0.0835mm x 0.2505 mm Pixel format RGB (Red dot, Green dot, Blue dot) vertical stripe Luminace-max. 300cd/m² Max. Luminance (calibrated) 240cd/m² Contrast ratio 1000:1 (typical) Viewing angle Right: 178°, Left: 178°, Up: 178° , Down: 178° Response time (Ton + Toff) 12ms (typical) Polarizer surface/ hardness Antiglare/ 3H Backlight 16 CCFL Default gamma Gamma 2.2 LUT 10-bit for each RGB Signal input Dual link DVI-D (digital) USB 2.0 hub 1 upstream/ 2 downstream Membrane keypad Yes Power adapter Input voltage range 100VAC-240VAC Power adapter Input frequency range 2.0A max. at 90VAC Power adapter Power output 24VDC, 6.25A, 150W (max) <t< th=""><th>PACSmate®</th><th>MMD-4300C</th></t<>	PACSmate®	MMD-4300C
Diagonal size of display Resolution (H x V) 2560 x 1600 Pixel pitch (H x V) 0.2505mm x 0.2505 mm Sub-pixel pitch (H x V) 0.835mm x 0.2505 mm Pixel format RGB (Red dot, Green dot, Blue dot) vertical stripe Luminace-max. 300cd/m² Axa. Luminance (calibrated) Contrast ratio 1000:1 (typical) Viewing angle Right: 178°, Left: 178°, Up: 178°, Down: 178° Response time (Ton + Toff) Polarizer surface/ hardness Antiglare/ 3H Backlight 16 CCFL Default gamma Gamma 2.2 LUT 10-bit for each RGB Signal input USB 2.0 hub 1 upstream/ 2 downstream Membrane keypad Power adapter Input voltage range Power adapter Input voltage range Power adapter Input frequency range Power adapter Input AC current Power adapter Power adapter Input AC current Power adapter Power adapter Power adapter Power adapter Power adapter Input AC current Power adapter Power	Drive System	a-Si TFT active matrix
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Pixel pitch (H x V) Sub-pixel pitch (H x V) O.0835mm x 0.2505 mm RGB (Red dot, Green dot, Blue dot) vertical stripe Luminace-max. 300cd/m² Max. Luminance (calibrated) Contrast ratio Viewing angle Response time (Ton + Toff) Polarizer surface/ hardness Backlight Default gamma Gamma 2.2 LUT 10-bit for each RGB Signal input Dual link DVI-D (digital) USB 2.0 hub 1 upstream/ 2 downstream Membrane keypad Power adapter Input voltage range Power adapter Input frequency range Power adapter Input RG current Power adapter Power output Physical dimensions (H x W x D) Operation relative humidity Storage/ Transportation 1000.8505mm x 0.2505 mm 0.0835mm x 0.2505 mm 0.0835mm x 0.2505 mm 0.0835mm x 0.2505 mm RGB (Red dot, Green dot, Blue dot) vertical stripe 1000.11(x)pical dot) 1000.11(typical) 1000.11(x)pical) 1000.11(x)pical(maxical) 1000.11(x)pical(maxical) 1000.11(x)pical(maxical) 1000.11(x)	Diagonal size of display	75.6cm (30.0 inches)
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Pixel format Luminace-max. 300cd/m2 Max. Luminance (calibrated) Contrast ratio 1000:1 (typical) Viewing angle Response time (Ton + Toff) Polarizer surface/ hardness Backlight Default gamma LUT 10-bit for each RGB Signal input USB 2.0 hub 1 upstream/ 2 downstream Membrane keypad Power adapter Input voltage range Power adapter Input AC current Power adapter Power adapter Power output Physical dimensions (H x W x D) Operating temperature 10°C~40°C Storage temperature Power calepter Coperation relative humidity Storage/ Transportation 1000:1 (typical) 1000	Pixel pitch (H x V)	0.2505mm x 0.2505 mm
Luminace-max. Max. Luminance (calibrated) Contrast ratio 1000:1 (typical) Viewing angle Right: 178°, Left: 178°, Up: 178°, Down: 178° Response time (Ton + Toff) Polarizer surface/ hardness Backlight Default gamma Gamma 2.2 LUT 10-bit for each RGB Signal input USB 2.0 hub 1 upstream/ 2 downstream Membrane keypad Power adapter Input voltage range Power adapter Input voltage range Power adapter Input frequency range Power adapter Input frequency range Power adapter Input AC current Power adapter Power output Physical dimensions (H × W × D) Viewing and Very Value (100 × 200 × 10	Sub-pixel pitch (H x V)	0.0835mm x 0.2505 mm
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(calibrated) Contrast ratio 1000:1 (typical) Viewing angle Right: 178°, Left: 178°, Up: 178°, Down: 178° Response time (Ton + Toff) Polarizer surface/ hardness Backlight 16 CCFL Default gamma Gamma 2.2 LUT 10-bit for each RGB Signal input USB 2.0 hub 1 upstream/ 2 downstream Membrane keypad Yes Power adapter Input voltage range Power adapter Input frequency range Power adapter Input AC current Power adapter Power output Physical dimensions (H x W x D) With stand: 522mmx 736mm x 266 mm (landscape) Without stand: 480mm x 736mm x 76 mm (landscape) Operation relative humidity 30% ~75% Non-condensing Storage/ Transportation 100% ~95% Non-condensing	Luminace-max.	300cd/m ²
Viewing angle Right: 178°, Left: 178°, Up: 178°, Down: 178° Response time (Ton + Toff) Polarizer surface/ hardness Antiglare/ 3H Backlight Default gamma Gamma 2.2 LUT 10-bit for each RGB Signal input USB 2.0 hub 1 upstream/ 2 downstream Membrane keypad Power adapter Input voltage range Power adapter Input frequency range Power adapter Input AC current Power output Physical dimensions (H x W x D) Operating temperature 10°C~40°C Storage temperature 100% ~95% Non-condensing Storage/ Transportation		240cd/m ²
Response time (Ton + Toff) Polarizer surface/ hardness Backlight Default gamma Gamma 2.2 LUT 10-bit for each RGB Signal input USB 2.0 hub 1 upstream/ 2 downstream Membrane keypad Power adapter Input voltage range Power adapter Input frequency range Power adapter Input AC current Power output Physical dimensions (H x W x D) Operating temperature 100°C~40°C Storage / Transportation 12ms (typical) 10put AC 10put AC 10put AC 2 downstream 47Hz-63Hz 100VAC-240VAC 47Hz-63Hz 2.0A max. at 90VAC 2.0A max. at 90VAC With stand: 522mmx 736mm x 266 mm (landscape) Without stand: 480mm x 736mm x 76 mm (landscape) Without condensing Storage/ Transportation	Contrast ratio	1000:1 (typical)
T2ms (typical)	Viewing angle	Right: 178°, Left: 178°, Up: 178°, Down: 178°
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Membrane keypad Power adapter Input voltage range Power adapter Input frequency range Power adapter Input frequency range Power adapter Input AC current	Signal input	Dual link DVI-D (digital)
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Input voltage range Power adapter Input frequency range Power adapter Input AC current Power adapter Power adapter Power output Physical dimensions (H x W x D) Operating temperature Storage temperature 100VAC-240VAC 47Hz-63Hz 2.0A max. at 90VAC 24VDC, 6.25A, 150W (max) With stand: 522mmx 736mm x 266 mm (landscape) Without stand: 480mm x 736mm x 76 mm (landscape) Operating temperature -20°C~60°C Operation relative humidity 30% ~75% Non-condensing Storage/ Transportation	**	Yes
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Input AC current Power adapter Power output Physical dimensions (H x W x D) Operating temperature Storage temperature Coperation relative humidity Storage/Transportation 24VDC, 6.25A, 150W (max) With stand: 522mmx 736mm x 266 mm (landscape) Without stand: 480mm x 736mm x 76 mm (landscape) Operation relative humidity 30% ~75% Non-condensing		47Hz-63Hz
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(H x W x D) Operating temperature 10°C~40°C Storage temperature -20°C~60°C Operation relative humidity 30% ~75% Non-condensing Storage/ Transportation 10% ~95% Non-condensing		24VDC, 6.25A, 150W (max)
Storage temperature -20°C~60°C Operation relative humidity 30% ~75% Non-condensing Storage/ Transportation 10% ~95% Non-condensing		
Operation relative humidity 30% ~75% Non-condensing Storage/ Transportation 10% ~95% Non-condensing	Operating temperature	10°C~40°C
Storage/ Transportation 10% ~05% Non-condensing	Storage temperature	-20°C~60°C
	Operation relative humidity	30% ~75% Non-condensing
		10% ~95% Non-condensing

