

IEI Launches 30-inch 4MP Dual-Display Color Medical Monitor

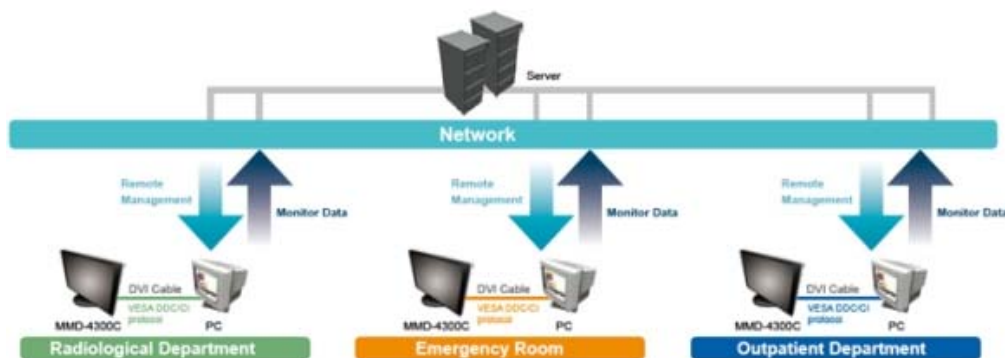


Taipei, Taiwan, 18 July 2008 – IEI Technology Corp. today launch their latest 30" 4MP color PACSMate™ medical monitor, the MMD-4300C. The widescreen MMD-4300C is the first 30-bit deep color medical monitor with both single (4MP) and dual (2MP) view display options. The MMD-4300C received the "Taiwan Best 2008" award, the highest product accolade in Taiwan and is only awarded to innovative and high-quality products.

Remote management of the VESA DDC/CI compliant MMD-4300C is enabled through a DVI cable connection between the MMD-4300C and a PC integrated into a hospital's wider network. Remote management of the MMD-4300C reduces maintenance costs as technicians can easily control and adjust the power mode, backlight luminance and color temperature from a central location. IEI also provides software OSD customization services with a command library and customer defined MSSC command programming support for easier software development.

Various remote management functions

- Power mode control : On/Standby
- DICOM/Gamma Look-up-table selection
- Display mode selection : 4MP/ 2MP, color/ monochrome
- Luminance selection
- Gamma and color temperature selection
- Monitor information



HDMI™ 1.3 Support with GrayEasy® 30-bit Deep Color Technology

Support for both HDMI™ 1.3 and DVI differentiates the MMD-4300C from the typical DVI-only 30-bit Deep Color monitors. HDMI™ 1.3 is a next-generation technology that will in the future require mainstream medical monitors to be upgraded. The GrayEasy® support for HDMI™ 1.3 on the MMD-4300C ensures the MMD-4300C will remain relevant and will not need to be replaced when the latest technologies become more dominant in the future market place.

Multiple Viewing Modes & Color to Grayscale Technology

The MMD-4300C can display both color and grayscale images. The MMD-4300C screen can be

segmented into two segments with one segment showing a color image and the other segment a grayscale image. When the screen is not segmented, the screen resolution is 4MP. When the screen is divided into two segments the screen resolution is 2MP.

Doctors can view parallel images simultaneously on a single MMD-4300C by dividing the screen into two segments. One segment could display a high-resolution color image of a patient and the other segment the equivalent grayscale image. Alternatively, two images taken at different times can be viewed simultaneously enabling easier comparisons of a condition at two different times.

User adjustable gamma and color temperature settings ensure doctors can actively alter the settings of the MMD-4300C to ensure all images are clear. Gamma settings of 1.8, 2.0 or 2.2 and color temperature settings of 6500K or 9300K can be set by the user.

Simplified DICOM Conformance Testing and Screen Brightness Adjustments

A built-in, front-mounted automatic moving sensor simplifies continuous DICOM conformance testing. The front sensor auto-detects the intensity of the ambient light and auto-adjusts the display brightness for optimal viewing. The auto-dimming function may reduce the screen brightness thereby extending the life of the backlight and making diagnosis of conditions easier and less demanding on the eyes.

Waterproof Enclosure

The MMD-4300C enclosure complies with the IPX2 waterproof standard. The MMD-4300C can easily be implemented in humid and moist environments without being at risk. The waterproof standard ensure humidity and atmospheric moisture cannot penetrate the enclosure. The cost effective, easily configured and remotely managed MMD-4300C is ideal for implementation in a medical environment where clear diagnostics are critical. Early implementation of the HDMI™1.3 standard ensures the MMD-4300C will have a long life and will not need replacing any time soon.

Specifications

	MMD-4300C
Drive system	a-Si TFT active matrix
Display area (H x V)	641.3 mm x 400.8 mm
Diagnol size of display	75.6 cm (30.0 inches)
Resolution (H x V)	2560 x 1600
Display color	16,777,216 colors
Pixel pitch (H x V)	0.2505 mm x 0.2505 mm
Sub-pixel pitch (H x V)	0.0835 mm x 0.2505 mm
Pixel format	RGB (Red dot, Green dot, Blue dot) vertical stripe
Luminance-max.	370 cd/m ²
Luminance calibrated-max.	250 cd/m ²
Contrast ratio	1000:1 (typical)
Viewing angle	Right/Left: 178° Up/Down: 178°
Response time (Ton+ Toff)	12 ms (typical)
Polarizer surface/hardness	Antiglare/ 3H
Backlight	16 CCFL
Default gamma	Gamma 2.2
LUT	10-bit for each RGB
Signal input	Master : Dual link DVI-D (digital) Slave: Single-Link DVI-D (digital)
USB 2.0 hub	1 upstream/ 2 downstream
Membrane keypad	Yes
Power adapter	100VAC-240VAC
Input voltage range	
Power adapter	47Hz-63Hz
Input frequency range	
Power adapter	2.0A max. at 90VAC
input AC current	
Power adapter	24VDC, 6.25A,150W(max)
Power output	
Physical dimensions (H x W x D)	With stand: 522 mm x 736 mm x 266 mm (landscape) Without stand: 480 mm x 736 mm x 76 mm (landscape)
Weight (with stand)	15 kg

Operating temperature	10°C ~ 35°C
Storage temperature	0°C ~ 45°C
Operation relative humidity	30% ~ 75% Non-condensing
Storage/ Transportation relative humidity	10% ~ 95% Non-condensing
Approvals	UL 60601-1, CE(EN 60601-1-2), FCC Part 18, VCCI, BSMI and CCC
Packing List	Power cord (1 x EU, 1 x US) 1 x PACSmate series medical LCD monitor 1 x Monitor stand 1 x Power adapter 1 x Dual-link DVI-D cable 1 x USB cable 1 x Utility CD-ROM (for user's manual and software utility)

Ordering Information

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



® About IEI Medical

IEI Medical, the medical division of [IEI Technology Corp.](http://www.pacsmate.com/), is a global manufacturer of high-resolution monochrome/ color diagnostic monitors and all-in-one medical panel PC. IEI Medical is committed to providing the health care community with reliable, high-performance and cost-effective products. All IEI medical products are ISO-9001, ISO-14000 and ISO-13485 compliant and are easily applied to a wide range of medical applications. IEI Medical is located in Taiwan and has very experienced R&D, Manufacturing, sales & marketing and customer service teams. Please visit our website for more information: <http://www.pacsmate.com/>

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