

TOTOKU

2.3 Megapixel
24.1" Color LCD

CCL240

CCL240 /AR (With Special AR Coating)
CCL240 (Without Special AR Coating)

CCL Series

24.1" wide-screen color LCD with DICOM calibration function

High luminance, high contrast, and wide viewing angle provided by the IPS panel
Stable luminance for a long period of time with a unique built-in luminance stabilizing circuit

*Flat Display System
for Medical Imaging*

NEW



2.3 Megapixel
Color Display

24.1"	Analog & Digital	High luminance 400cd/m ²	Contrast 1000:1	Calibration function	10Bit LUT	Internal Power Supply	Special AR Coating
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Features :► **Wide-screen display with 1920 x 1200 pixels**

Provides display area large enough, especially to show multiple windows at a time for using medical image analysis software

► **Color calibration function to reproduce colors faithful to the original and grayscale compliant with DICOM Part 14**

By calibrating color temperature, luminance, and gamma characteristics, reproduction of colors faithful to the original and smooth display of grayscale are possible. (A calibration kit is required.)

► **Built-in 10bit LUT (Look-up Table) to reproduce beautiful grayscale**

The built-in LUT selects the most appropriate 256 shades of gray (8bit) out of 1021 shades (10bit) to realize finer and smoother grayscale.

► **Luminance stabilizing system λ-Sentinel for stable display of medical images**

Automatically corrects and luminance fluctuation due to startup drift, temperature change, and aging to provide stable luminance.

► **High image quality provided by the IPS panel**

The IPS panel is effective in preventing color and contrast changes caused by different viewing angles.

► **Special AR Coating for Film-like Black and Improved Sharpness**

TOTOKU's new special AR coating technology addresses properties of focus, noise reduction, contrast, and viewing angle achieving film-like black and accurate reproduction of images. (Patent pending)

► **Picture-in-Picture**

Allows you to have the second window on the screen.

► **Worldwide medical safety standards**

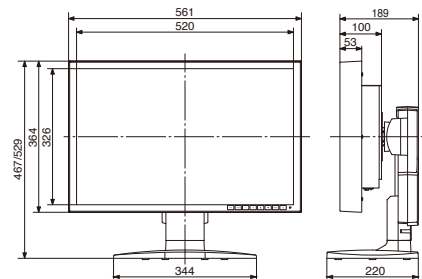
This display is certified under various medical safety standards that are much more demanding than those for general-purpose IT equipment.

► **Medivisor Series software (Optional)**

The Medivisor Series software offers collective support for display quality control and delivers high-quality and stable medical images while realizing reduction in display quality management costs.

Specifications

Model Name		CCL240, CCL240 /AR (W/ Special AR Coating)
LCD Panel	Technology	24.1-inch Active Matrix IPS Technology
	Display Area	518mm X 324mm
	Pixel Pitch	0.27mm X 0.27mm
	Contrast Ratio	1000 :1 (Typ.)
Visual Performance	Maximum Luminance	400cd/m ² (Typ.), (calibrated to 150cd/m ² and 200cd/m ² , 150cd/m ² by factory default)
	Viewing Angle	178° vertical and horizontal
	Available Resolution	1920 X 1200
	Grayscale	10bit(1021) grayscale to 8bit(256) grayscale
Input Signal	Color display	Full color (16.77million colors)
	Input Sync Signal	Digital DVI / Analog RGB
Input	Plug and Play	DDC2B compliant
	Input	100V ~ 240V (±10%) 50/60Hz (Internal power supply)
Power Supply	Maximum Power Consumption	110W Typical (with power management feature)
	Calibration Control	Luminance, Gamma, Color temp. (A calibration kit is required.)
Approvals	MET (UL60601-1), MET-C (CSA C22.2 No 601.1), MDD/CE, FCC-B, VCCI-B (FDA510(k): Pending)	
Physical Characteristics	Dimensions (incl. tilt stand)	561 (W) X 467 / 529 (H) X 220 (D) mm
	Weight	Net: approx. 11.7kg, Without tiltstand: approx. 7.3kg
	Tilt stand	Tilt, Swivel, Portrait / Landscape
	Mount	100mm VESA mounting
Accessories	Security Slot	Antitheft security slot
	Power cord (3P), DVI cable, VGA cable, Operation manual	



TOTOKU has obtained ISO14001 and ISO9001/ISO13485 certification which are international standards concerning environment management and quality control respectively.

**Safety Precautions**

Please read the user's manual for safe and proper use.

Do not expose the product to dust, moisture, steam, or oily smoke. It could cause fire, electric shock, or a failure.

TOTOKU

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Additional product information is available at <http://www.totoku.com/display/>

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