

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

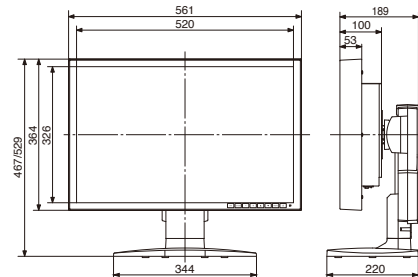
24.1"	Analog & Digital	High luminance 400cd/m ²	Contrast 1000:1	Calibration function	10Bit LUT	Internal Power Supply	Special AR Coating
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Features :

- ▶ **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.)
	Maximum Luminance	400cd/m ² (Typ.), (calibrated to 150cd/m ² and 200cd/m ² , 150cd/m ² by factory default)
Visual Performance	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)
Features	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, VCCP-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
	Security Slot	Antitheft security slot
Accessories	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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