GGL Series

## 19.6" color highbrightness LCD

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



Megapixel Color Display

ECR2013 Preview
Estimated Q2 2013 Release













## Features:

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 consistent to the original and smooth display of grayscale are possible. (A calibration kit is required.)

Built-in 10bit LUT (Look-up Table) to reproduce stunning grayscale 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 stabilization system λ- Sentinel for stable display of medical images

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

Excellent image quality provided by the IPS panel

The IPS panel effectively prevents color and contrast changes caused by different viewing angles.

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 reducing display quality management costs.

## **Specifications**

Model Name		CCL230
	Technology	19.6 -inch Active Matrix IPS Technology
LCD Panel	Display Area	398.4mm X 298.8mm
	Pixel Pitch	0.294mm X 0.294mm
	Contrast Ratio	800:1 (Typ.)
	Maximum Luminance	700cd/m2 (calibrated to 410cd/m² and 300cd/m², 410cd/m² by factory default)
	Viewing Angle	170° vertical and horizontal
Visual Performance	Available Resolution	1600 x 1200
	Grayscale	10bit(1021) grayscale to 8bit(256) grayscale
	Color Display	Full color (16.77million colors)
Input Signal	Input Sync Signal	Digital DVI / DisplayPort
	Plug and Play	DDC2B compliant
Input Power Supply	Input	100V ~ 240V (±10%) 50/60Hz (Internal power supply)
	Maximum Power Consumption	N/A
Features	Calibration Control	Luminance, Gamma, Color temperature
Approvals	UL60601-1, CSA C22.2 N601.1 Part1, FCC Part15 Subpart J Class B, DOC Class B, MDD/CE (EN5011, EN60601-1-2), VCCI Class B	
Physical Characteristics	Dimensions (incl. tilt stand)	N/A
	Weight	N/A
	Tilt stand	Tilt, Swivel, Portrait / Landscape
	Mount	100mm VESA mounting
	Security Slot	Antitheft security slot
Accessories	Power cord (3P), DVI 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

TOTOKU

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

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