

TOTOKU

2 Megapixel
21.3" Color Display

CCL210

CCL Series

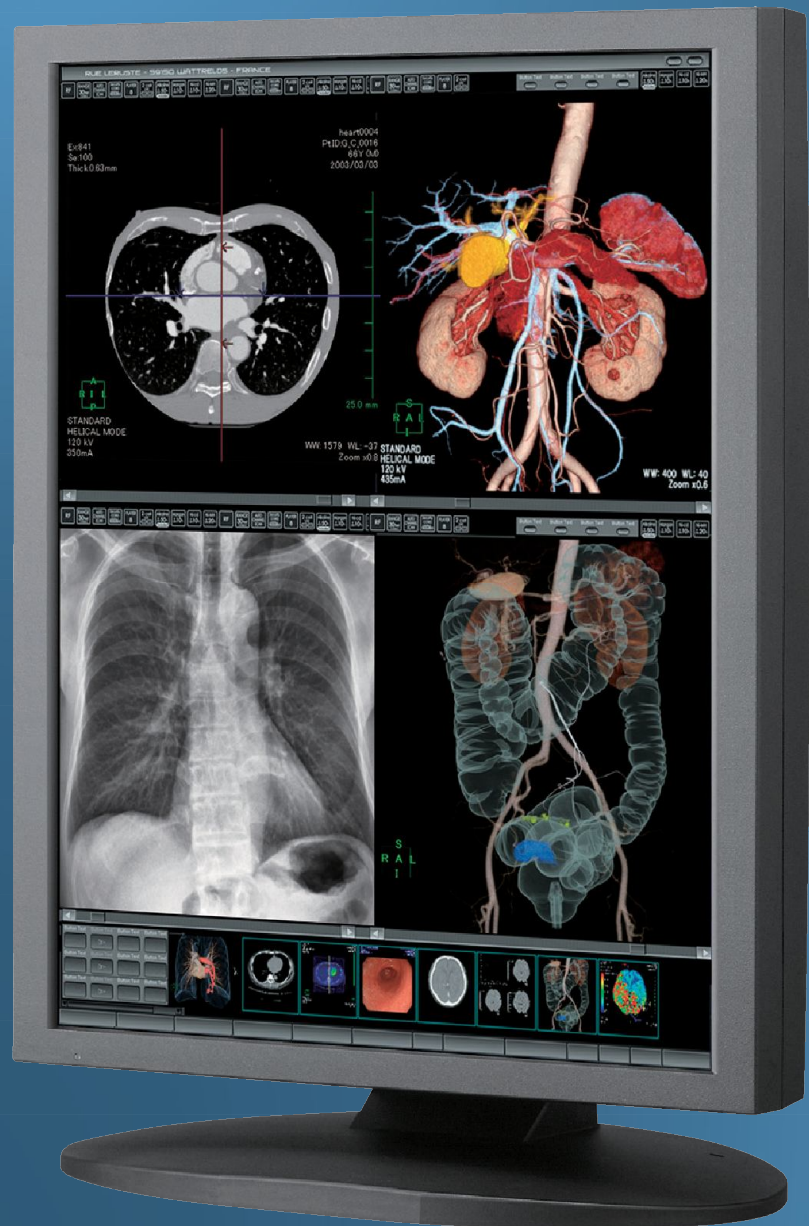
2MP color LCD with DICOM calibration function

NEW

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*



2

Megapixel
Color Display

21.3"	DisplayPort & DVI-I	Maximum luminance 440cd/m ²	Contrast 1500:1	Calibration function	10Bit LUT	Internal Power Supply	LED Backlight
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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 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 smoothly grayscale**

The built-in LUT selects the most appropriate 256 shades of grayscale from a palette of 1021 grayscale steps to display finer and smoother grayscale.

▶ **Luminance stabilizing system λ-Sentinel**

The luminance sensor constantly monitors and accurately stabilizes luminance on the screen to optimize image quality all the time.

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

The IPS panel provides crisper image and more confidence in diagnostic precision with stable luminance and smoothly color.

▶ **Longer Lifetime and Energy Saving with LED Backlight**

Compared to the CCFL backlight, LED backlight CCL210 will save about 20% of energy and hold brightness longer.

▶ **Worldwide medical safety standards**

The CCL210 comply with various stringent worldwide medical standards. They ensure safety and reliability required for use in medical facilities.

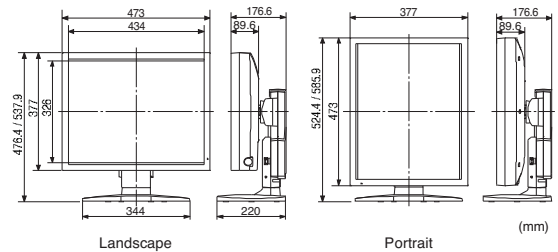
▶ **Medivisor Series software (Optional)**

The Medivisor series software support display quality control from acceptance and periodic constancy testing to constant monitoring, to calibration.

Specifications


Model Name		CCL210
LCD Panel	Technology	21.3-inch, TFT color active matrix IPS technology
	Display Area	432mm X 324mm
	Pixel Pitch	0.27mm X 0.27mm
	Contrast Ratio	1500 :1 (Typ.)
	Maximum Luminance	440cd/m ² (Typ.), (calibrated to 180cd/m ² and 200cd/m ² , 180cd/m ² by factory default)
Visual Performance	Viewing Angle	178° vertical and horizontal
	Native Resolution	1600 X 1200
	Grayscale	256 shades of grayscale are simultaneously displayed from a palette of 1021 grayscale steps
Input Signal	Display Colors	16.77million colors from a palette of 1.06 billion colors
	Input Signal	DVI-D (DVI 1.0 compliant) DisplayPort (DisplayPort 1.1a compliant)
Input	Plug and Play	DDC2B compliant
	Input	100V-240V 50/60Hz
Power Supply	Maximum Power Consumption	42W (typ)
Features	Calibration Control	Luminance, Gamma, Color temperature Capable of storing 2 sets of LUT (An optional Calibration kit is required)
Approvals	ANSI/AAMI E560601-1(2005)+A1(2012), CAN/CSA-C22.2 NO. 60601-1(2008), FCC-B, ICES-003-B, CE, VCCI-B	
Physical Characteristics	Dimensions (incl. tilt stand)	Landscape : 473mm (W) X 476.4 / 537.9mm(H) X 220mm(D) Portrait : 377mm (W) X 524.4 / 585.9mm(H) X 220mm(D)
	Weight	Net: approx. 10.7kg, Without tilt stand: approx. 6.5kg
	Tilt stand	Tilt, Swivel, Portrait / Landscape
	Mount	Vesa mounting 100mm X 100mm
	Security Slot	Stand
Accessories	Power cord, DVI cable, USB cable, Users manual	

Dimensions



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 Safety Precautions	<ul style="list-style-type: none"> ●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.
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