

TOTOKU

1.3 Megapixel 19" Color LCD

# CCL192 *plus*



## High Luminance and High Contrast SXGA 19" Color LCD Fast & Smooth Display of Motion Pictures by the Overdrive Technology All-round Model with Various Interfaces and Useful Functions

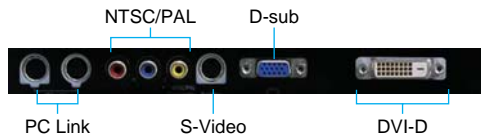
- High-speed Response LCD (12ms)
- Multi Interface Digital, Analog and Video
- High Luminance 450cd/m<sup>2</sup>, High Contrast 600:1
- Built-in Medical Grade Power Supply
- Stable Luminance by λ-Sentinel
- Selectable Preset Gamma Including DICOM
- Picture-in-Picture
- Landscape / Portrait Orientation

**High luminance, high contrast, wide viewing angle, and what's more, beautiful motion pictures by overdrive technology.**

The highest-in-class luminance of 450 cd/m<sup>2</sup>, a high contrast ratio of 600:1, and a much wider viewing angle of 178° vertically and horizontally contribute to higher image quality. Furthermore, a built-in overdrive circuit achieves as fast a response time as 12 m/s. It also reduces afterimage effects and consequently provides smooth and natural display of motion pictures.

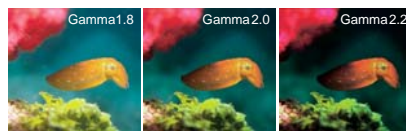
**Supporting Multiple Interfaces**

CCL192 plus supports the NTSC/PAL composite signal and S-video as well as DVI and analog RGB signals including interlace scan mode.



**Preset Gamma Settings**

CCL192 plus comes with six preset gamma settings, including DICOM GSDF, for various use.



● Difference in vision by gamma settings

**Built-in Medical-grade Power Supply Unit**

The built-in medical-grade power supply eliminated the need for an external AC adapter, thus CCL192 plus provides wider working space.

**Picture-in-Picture**

With the Picture-In-Picture feature, two different images can be displayed on the same display simultaneously. It helps improve the work efficiency.

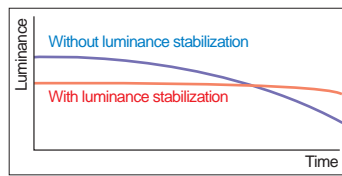


\*This feature is supported by NTSC/PAL and S-video only.

\*The images shown are for illustrative purposes.

**Built-in Luminance Stabilizing System λ-Sentinel**

λ-Sentinel provides stable luminance and minimizes luminance change upon startup, according to ambient temperature changes, and from aging.



\*The images shown are for illustrative purposes.

**Certified for worldwide medical safety standards**



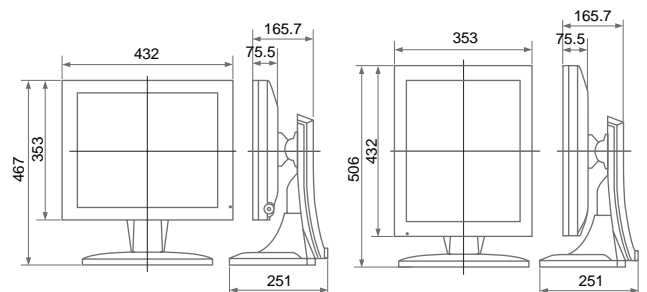
TOTOKU has obtained ISO14001 and ISO9001/ISO13485 certification which are international standards concerning environment management and quality control respectively.



**Landscape/portrait Orientation**

The LCD panel pivots 90 degrees between landscape and portrait orientation. The tilt stand also swivels and tilts for a comfortable viewing angle. Its VESA standard mount makes it interchangeable with other mounting solutions for various applications.

Model Name		CCL192 plus
LCD Panel	Technology	19-inch, TFT Color Active matrix
	Display Area	376mm X 301mm
	Pixel Pitch	0.294mm X 0.294mm
	Contrast Ratio	600:1 (Typ.)
	Maximum Luminance	450cd/m <sup>2</sup> (Typ.)
	Viewing Angle	178° vertical and horizontal (Typ.)
Visual Performance	Response Time	Rise+Fall (B →W →B) 12ms (Typ.)
	Available Resolution	640 X 480 (VGA), 800 X 600 (SVGA), 1024 X 768 (XGA), 1280 X 1024 (SXGA)
Input Signal	Input Sync Signal	DVI 1.0 compliant Analog RGB, Composite, S-Video, Y-Cb-Cr(NTSC/PAL) (Including interlace scan mode)
	Plug-&-Play	DDC2B compliant
Input Power Supply	Input	100V ~ 240V±10%, 50/60Hz
	Maximum Power Consumption	65W Typical (with power management feature)
Features	Gamma Preset	DICOM GSDF, 1.6, 1.8, 2.0, 2.2, 2.4
	Color Preset	Cool, Neutral, Warm, User
	Controls(OSD)	Auto adjustment, Brightness, Contrast, Black level, Size, etc.
Approvals	Picture in Picture	S-Video, NTSC/PAL
	Body Color	White
Physical Characteristics	Dimensions (incl. tilt stand)	Landscape: 432.0 (W) X 467 (H) X 251.0 (D)mm Portrait: 353.0 (W) X 506 (H) X 251.0 (D)mm
	Weight	Net: approx. 9.4kg, Without tilstand: approx. 6.7kg
	Tilt Stand	Tilt, Swivel, Portrait / Landscape
	Mount	100mm VESA mounting
	Security Slot	Antitheft security slot
	Accessories	Power cord(3P), DVI cable, VGA cable, S-Video cable, Y Cr Cb cable, Serial cable, Operation manual



**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.



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