

TOTOKU

New
21.5" Color Display

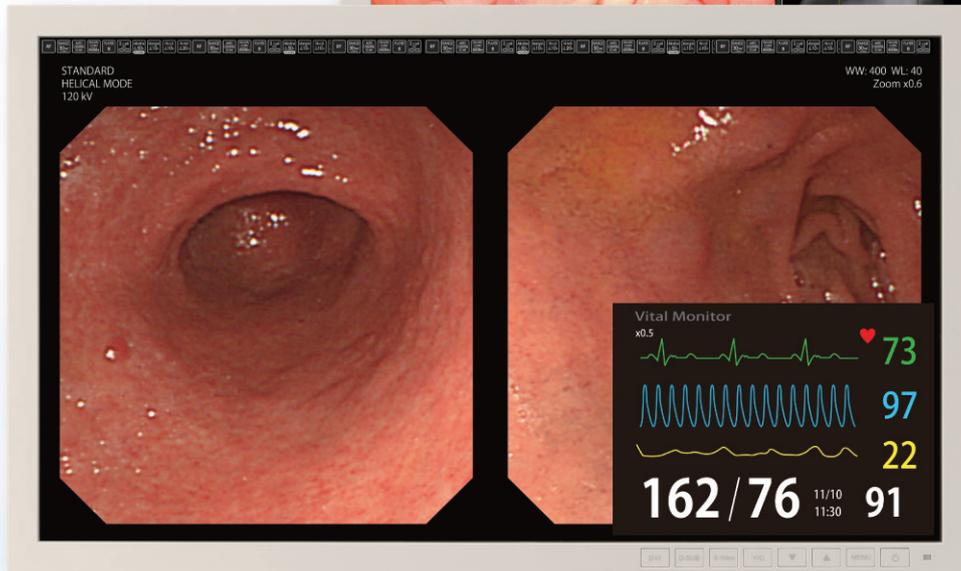
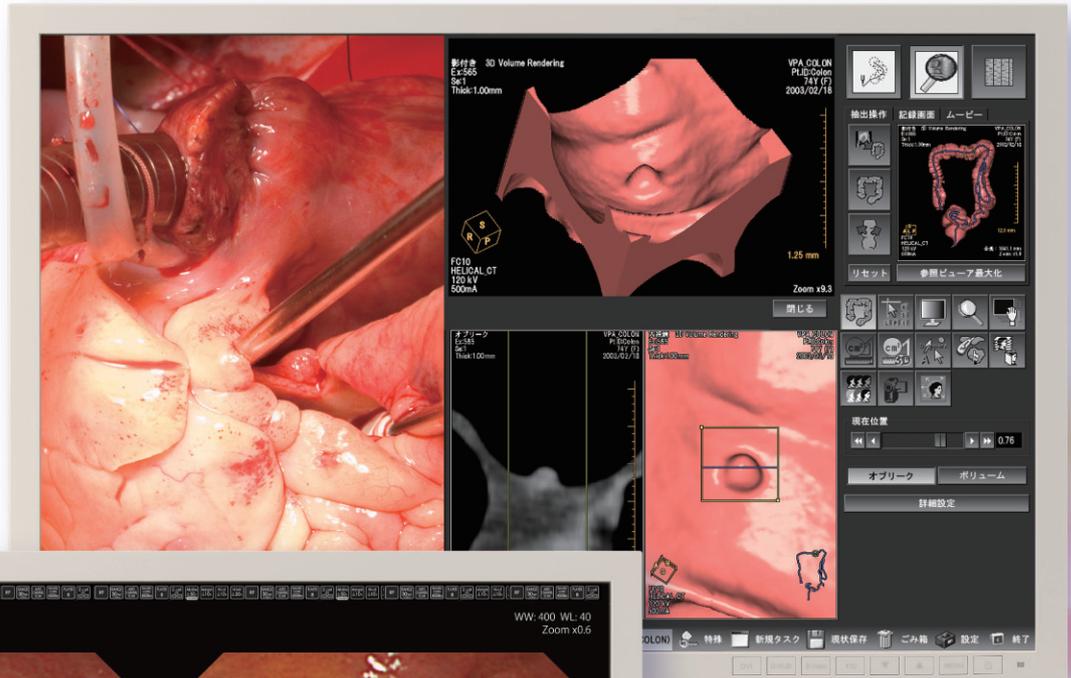
CCL220

New
24.1" Color Display

CCL244

*Flat Display System
for Medical Imaging*

CCL Series



CCL244

CCL220

Advanced surgical display for the operating room providing the most accurate images with full HD capability and LED backlight

CCL220	21.5"	250 cd/m ²	1000:1	LED Backlight	Multi Input	Analog Output	Internal Power Supply	Picture in Picture	Picture by Picture	Special AR Coating
CCL244	24.1"	300 cd/m ²	1000:1	LED Backlight	Multi Input	Analog Output	Internal Power Supply	Picture in Picture	Picture by Picture	Special AR Coating

Features :

▶ **IPS Panel Technology**

IPS panel technology provides high brightness, a wide viewing angle and accuracy in color.

▶ **AR Coating**

AR coating technology addresses properties of focus, noise reduction, high contrast and less reflection to produce crisper images.

▶ **Multi-Interface**

CCL220 and CCL244 support multiple interfaces including DVI, HDMI, Analog RGB, S-Video, HD-SDI and NTSC/PAL. (DVI and HDMI for input only)

▶ **Multi-Resolution**

From VGA 640 x 480 to HDTV 1920 x 1080 (1920 x 1200 with CCL244), a wide variety of signals are supported.

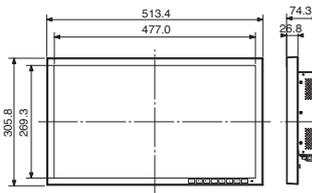
▶ **Picture-in-Picture (PIP), Picture-by-Picture (PbyP)**

These features allow two videos/images from multiple signal inputs to be displayed simultaneously so that surgeons can effectively obtain required information.

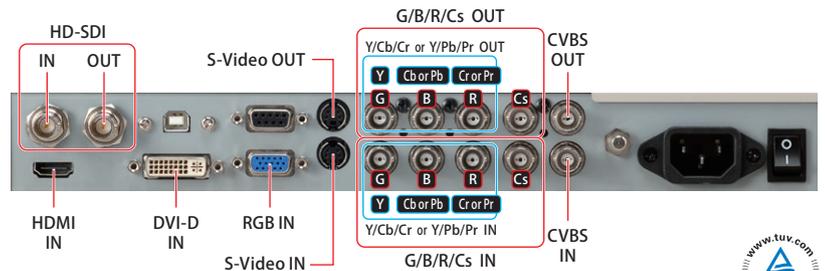
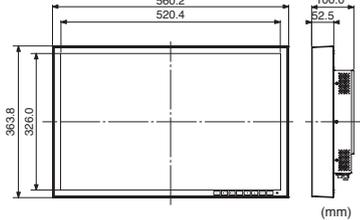
Specifications

Model Name		CCL220	CCL244
LCD Panel	Technology	21.5-inch, TFT color active matrix IPS technology	24.1-inch, TFT color active matrix IPS technology
	Display Area	475.2 mm x 267.3 mm	518.4 mm x 324 mm
	Viewing Angle	1000:1 (typ)	
	Maximum Luminance	250cd/m ² (typ)	300cd/m ² (typ)
	Contrast Ratio	178' vertical and horizontal (Wide view)	
Visual Performance	Display Colors	1920 x 1080	1920 x 1200
	Grayscale	256 shades of grayscale are simultaneously displayed from a palette of 1021 grayscale steps	
Interface	Input Signal	DVI, HDMI, D-sub 15 pin---RGB, S-Video, BNC(HD-SDI), BNC(Y·Cb·Cr), BNC(Y·Pb·Pr) BNC(CVBS)---NTSC/PAL, BNC(G·B·R·Cs)---RGBS	
	Output Signal	S-Video, BNC(HD-SDI), BNC(Y·Cb·Cr), BNC(Y·Pb·Pr) BNC(CVBS)---NTSC/PAL, BNC(G·B·R·Cs)---RGBS	
Input Power Supply	Input	100V~240V	
	Maximum Power Consumption	60W (typ)	
Features	Picture-in-Picture (PIP), Picture-by-Picture (PbyP)		
Approvals	ANSI/AAMI ES60601-1 (2005) + A1 (2012), CAN/CSA-C22.2 No. 60601-1 (2008), CE (EN60601-1, EN60601-1-2), FCC-B, ICES-003-B, VCCI-B, CCC, FDA 510(k)		
Physical Characteristics	Dimensions	513.4(W) x 305.8(H) x 74.3(D)mm	560.2(W) x 363.8(H) x 100(D)mm
	Weight	About 5.1 kg	About 7.1 kg
	Mount	VESA mounting 100mm x 100mm	
Accessories	Power cord, DVI cable, Users manual		

CCL220



CCL244



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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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