



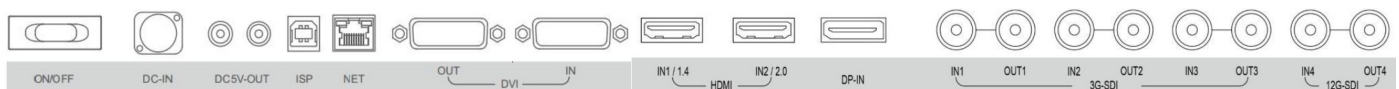
27" 4K Endoscopic Surgical Display



An innovative display designed for surgical procedures features a 4K ultra-high-definition LCD screen, offering precise color accuracy, substantial color depth, smooth gradations, and an extensive viewing angle.

The 27" 4K Surgical Displays compact and lightweight design aligns with the evolving mobile cart demands by providing detailed views. The monitor is engineered with a waterproof, splash proof exterior, and antimicrobial coating for use in sterile environments and multiple video input and output connectivity options to meet today's surgical visualization demands.

INPUT / OUTPUT CONNECTOR PANEL



- Optically bonded front glass that reduces reflections, enhances contrast, and protects the LCD panel from damage
- 14-bit Look-Up-Table (LUT) provides precise color reproduction and smooth curve rendition
- High Brightness, High Contrast, High Color Gamut, LCD panel
- PIP, POP, PAP, Triple, Quad multi-window viewing modes with Mirroring
- Seamless scaling of High-Definition (HD) to Ultra-High-Definition (UHD) video

27" 4K Endoscopic Surgical Display

DISPLAY PERFORMANCE

LCD Panel	LED Backlight
Active Display	596.1 6(H) x 335.34(Y) mm
Viewing Area (Diagonal)	27 inches (685.8 mm)
Pixel Pitch	0.1845 (H)•0.1845(Y)mm
Resolution (H x V)	3840X2160 (4K/UHD)
Aspect Ratio	16:9
Luminance	800 cd/m ² (Typical)
Contrast Ratio	1350:1 (Typical)
Number of Colors	1.07 Billion
Max. Calibration Brightness	600cd/m ²
Max. Brightness	850cd/m ²
Color Bit Depth (LUT)	4.398 Trillion Colors (14 bit)
Viewing Angle	178° (Horizontal & Vertical)
Response Time	20 ms (Typical)
Sensor	Backlight Sensor
Gamma	1.8, 2.0, 2.2, 2.4, 2.6, DICOM

POWER

POWER INPUT

Power Interface	24 VDC IN
Power Requirements	100~240YAC, 50/60Hz
Max. Power Consumption	150W
Typical Power Consumption	120W

ENVIRONMENTAL

Operating Temperature	TBD
Storage Temperature	TBD
Operating Humidity	TBD
Storage Humidity	TBD
Operating Altitude	TBD

PHYSICAL

Dimensions (W x H x D)	652.2*67*401.4
Display Weight	10Kg
Mounting Pattern	100 x 100mm, VESA

INPUTS / OUTPUTS

VIDEO INPUTS	CONNECTION TYPE	MAX RESOLUTION
Single Link DVI x 1	DVI	1080p60
DisplayPort 1.2 x 1	DP	4K60
HDMI 2.0 x 1	HDMI	4K60
HDMI 1.4 x 1	HDMI	1080p60
3G-SDI x 3	BNC	1080p60
12G-SDI x 1	BNC	4K60

VIDEO OUTPUTS

12G-SDI x 1	BNC
3G-SDI x 3	BNC
DVI x 1	DVI

CONTROL INPUTS

RJ-45	USB	N/A
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CERTIFICATIONS

CE, CCC, IEC 60601-1: 2012, EN 60601-1:2013, GB4943.1-2011
IEC 60601-1-2: 2014, EN 60601-1-2:2015, GB/T9254.1-2021, GB17625.1-2012

ORDERING INFORMATION

27" 4K Endoscopic Surgical Display - 200427E

MECHANICAL DRAWING

