

SUPPORTED DEVICES / APPLICATIONS

SOURCE	APPLICATION
DVI, HD-SDI	HD Endoscopy, PACS, Vital Signs, Room Camera
HD-RGBS, HD-YP _b P _r	HD Endoscopy
RGBS, YP _b P _r , SDI	SD Endoscopy
S-Video, Composite	Fluoroscopy, SD Endoscopy, Ultrasound
VGA	PACS, Endoscopy, Ultrasound, Angiography

IMAGE PERFORMANCE

LCD Panel	Active Matrix TFT LCD, LED Backlight
Picture Size (W x H)	14.8 x 11.9 inches (376 x 301 mm)
Viewing Area (Diagonal)	19 inches (483 mm)
Pixel Pitch	0.294 mm
Resolution (H x V)	1280 x 1024 (SXGA)
Luminance	350 cd/m ² (typical)
Contrast Ratio	1500:1
Aspect Ratio	5:4
Number of Colors	16.8 Million
Viewing Angle	170°
Response Time	14 ms (typical)
Gamma	1.8, 2.0, 2.2, 2.4, 2.6, VIDEO, PACS (DICOM)

GENERAL

Input Power Requirements	22 – 24 Volts DC
Power Consumption	29W (typical)
Dimensions (W x H x D)	18.3 x 15.6 x 3.9 inches (464.8 x 396.2 x 99 mm)
Weight	9 lbs (4.2 Kg)
Temperature	Operating: 0 to +40°C (+32 to +104°F) Storage: -20 to +50°C (-4 to +122°F)
Humidity	Operating: 20 – 85% RH Storage: 10 – 90% RH
Mounting	100 mm VESA

STANDARD DISPLAY PART NUMBER

90K0016 - 19" EndoVue® HD LED

VIDEO INPUT FORMATS

Format	Input (Digital)	Input (Analog)	Horizontal Frequency (kHz)
576/50i (PAL)	SDI	Comp, S-Video, RGBS, YP _b P _r	15.625
480/60i (NTSC)	SDI	Comp, S-Video, RGBS, YP _b P _r	15.734
576/50p	DVI	RGBS, YP _b P _r	31.250
480/60p	DVI	RGBS, YP _b P _r	31.469
720/50p	HD-SDI, DVI	HD-RGBS, HD-YP _b P _r	37.500
720/60p	HD-SDI, DVI	HD-RGBS, HD-YP _b P _r	45.000
1080/50i	HD-SDI, DVI	HD-RGBS, HD-YP _b P _r	28.125
1080/60i	HD-SDI, DVI	HD-RGBS, HD-YP _b P _r	33.750
1080/50p	DVI	--	56.2
1080/60p	DVI	--	67.3

HIGH DEFINITION LED BACKLIGHT SURGICAL DISPLAY



INPUTS

DVI	DVI-D
HD-SDI	BNC, 75 Ω
HD-RGBS, RGBS	DVI-I or HD-15, 0.7 Vp-p ± 6db, 75 Ω
HD-YP _b P _r / YP _b P _r	DVI-I or HD-15, 0.7 Vp-p ± 6db, 75 Ω
VGA	HD-15, 0.7 Vp-p ± 6db, 75 Ω
S-Video	DIN-4, 0.7 Vp-p +6/-3db, 75 Ω
Composite	BNC, 0.7 Vp-p +6/-3db, 75 Ω

CONNECTIVITY

DC OUTPUT

5 Volts DC Output	Mating Power Plug - CUI P/N PP-015 (Up to 1 Amp) (For powering an external fiber-optic receiver)
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CONTROL INPUT

Serial Remote	D-sub 9pin, RS-232C
ND-OS	Mini-USB

USER CONTROLS - ON-SCREEN MENU

Input Selection, Brightness, Contrast, Hue, Saturation, Gamma, Sharpness, RGB Gain, Backlight Level, Horizontal & Vertical Position, Phase, Frequency, DPMS, Auto-Source Select, Scaling, Overscan, Programmable User / Modality Settings Profiles

SUPPLIED/OPTIONAL ACCESSORIES

Supplied: Power Supply, AC Cord, Video Cables - S-Video, BNC, VGA, DVI, Product Documentation CD, Printed User Manual

Optional: Desktop Stand (P/N 26B0083) 30 ft. Power Extension Cable Kit (90I0017), 5 VDC Output Cable For Fiber Adapter (35X0100)

COMPLIANCE & CERTIFICATIONS ANSI/AAMI ES60601-1, CAN/CSA C22.2 No. 60601-1, FCC Class B, EN60601-1, EN60601-1-2, CE, IP 32 (Pending), MDD 93/42/EEC, 2007/47/EC, RoHS, WEEE, Class I Medical Device.

INPUT/OUTPUT CONNECTOR PANEL

