

ER-19



The AG Neovo ER-19, 1.3 MegaPixel Endoscopy colour LCD Display, is designed specifically for medical imaging / surgical environments / video endoscopy cart installations to meet demanding surgical procedures.

With the stringent medical safety requirements, 8-bit signal processing performance and strong colour image technology in RGB (Red/Green/Blue), ER-19 colour LCD display is ideally suited for use in the surgical environment, such as O.R. for Laparoscopy, Gastroscope, Cystroscope, Vaginoscope, Metroscope, Thoracoscope, Orthopedics, Urology, video endoscopy cart installations, or any medical settings where superb image quality, excellent contrast capability, high brightness and accurate colour reproduction are required.

► FEATURES



- **Supreme Performance & Natural Colour Reproduction**
- **Colour Control in Detail**
- **12-Bit Gamma Correction**
- **Monochrome Switch (DICOM)**
- **"Blue Only" Colour Fine-tuning**
- **Selectable Scan Size of Pictures**
- **User Memory Saving & Loading**
- **Input/Output Video Versatility: S-Video, CVBS, RGB Component, and SD-SDI**
- **Built-in SD-SDI for Long Distance Signal Transmission (~200 meters)**
- **IP 22 Dust/Water Resistance Technology**
- **Fan-less Design**
- **Compliant to Medical Safety Standard**
- **Protective NeoV Optical Glass™ technology**
- **Distinctive Metal Alloy Housing**
- **Kensington® Security Socket**
- **VESA Standard Wall Mount**

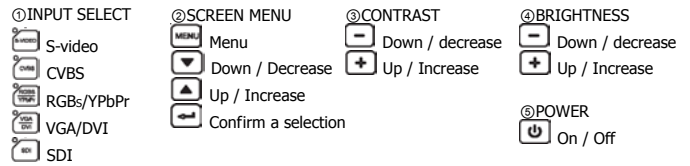
► SPECIFICATION

Display	Panel Type	TFT Active Matrix LCD
	Panel Size	19" (483mm)
	Resolution	SXGA 1280 x 1024
	Aspect Ratio	5:4
	Pixel Pitch	0.294 x 0.294mm
	Brightness	300cd/m ² (Typical)
	Contrast Ratio	450:1 (Typical)
	Viewing Angle (H/V)	170°/170°
	Display Color	16.7M (8 bits)
	Response Time	10 ms (GTG)
	Frequency (H/V)	H:14kHz-85kHz / V:49Hz-85Hz
Life Time	40,000hrs (Typical)	
	Display Functions	Gamma, DICOM
NeoV	Thickness	3.0mm (0.18")
Optical Glass	Reflection Rate	<1%
	Transmission Rate	>96%
	Hardness	>6H (MOH's Rating)
Input	Analog	15-Pin D-Sub (female)
	Digital	24-Pin DVI-D
	S-Video	4-Pin mini din
	CVBS	BNC x 1
	Component/RGBs	BNC x 4
	SD-SDI	BNC x 1
	Control	A 9-Pin D-Sub GPI (female)
Output	S-Video	4-Pin mini din, 75 Ω termination
	CVBS	BNC x 1, 75 Ω termination
	Component/RGBs	BNC x 4, 75 Ω termination
	SD-SDI	BNC x 1, 75 Ω termination
Mounting	VESA FPMPI	Yes (100mm)
Regulation Approval	Certifications & Compliance	UL/CUL(UL60601-1, CAN/CSA C22.2 No.601.1), FCC, CB(IEC60601-1), CE(IEC60601-1, IEC60601-2, EN60601-1, EN60601-1-2, IP22), WEEE, RoHS
	VESA	DDC 2B, DCC/CI 1.22
Plug & Play	VESA	DDC 2B, DCC/CI 1.22
Power Supply	(a) External Power	Input DC 24V, 3.0A
	(b) Internal Power	AC 100-240V, 1.2~0.6A, 50/60Hz
	Power Consumption	<65W (On) <15W (Off)
Temperature	Operating	-10~50°C (14~122°F)
	Storage & Trans.	-20~60°C (-4~140°F)
Humidity	Operating	10~90% RH
	Storage & Trans.	5~95% RH
Air Pressure	Operating	Sea level to 12,000 ft
	Storage & Trans.	Sea level to 40,000 ft
Language	OSD	EN, FR, DE, IT, ES, CN
Dimensions	Net (W x H x D)	420 x 365.5 x 82.5mm (16.5" x 14.4" x 3.2")
	Packing (W x H x D)	550 x 550 x 265mm (21.7" x 21.7" x 10.4")
Weight	Net Weight	
	(a) External Power	7.54Kg (16.6lbs)
	(b) Internal Power	7.88Kg (17.4lbs)
Accessories	Supplied	D-Sub cable, DVI cable, warranty card, user manual, AC power cord 1.8M; Power adaptor 3M for (a)
	Optional	Display pedestal for ER-19

All specifications are subject to change without prior notice

► DISPLAY DESCRIPTION

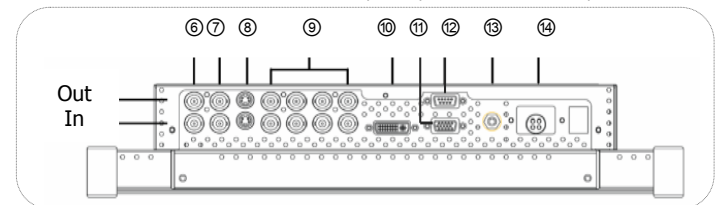
■ Front Keypad



■ Connectivity

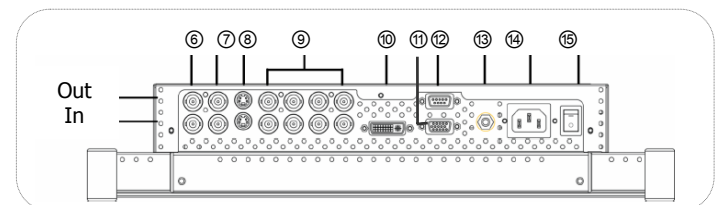
(a) External Power Supply Version

- ① SDI BNC input/output
- ② CVBS BNC input/output
- ③ S-Video mini-din input/output
- ④ YPbP/RGB (Component) EXT SYNC (external sync) G/Y/Y BNC input/output B/P_b/C_b BNC input/output R/P_r/C_r BNC input/output
- ⑤ DVI-D connector
- ⑥ VGA D-Sub 15-Pin
- ⑦ GPI D-Sub 9-Pin
- ⑧ Equipotential Terminal
- ⑨ 24Vdc DC Input

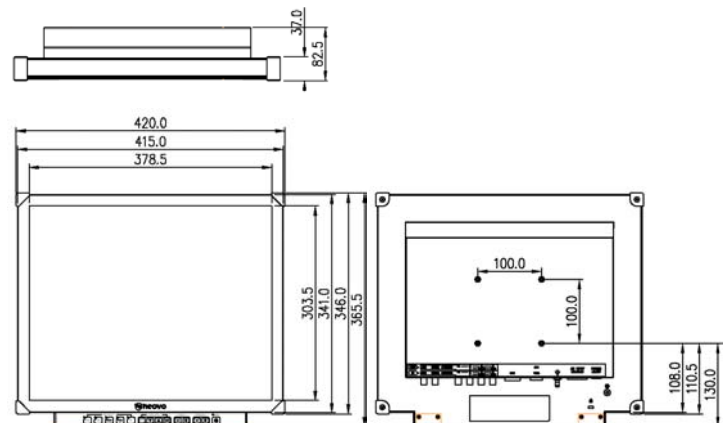


(b) Internal Power Supply Version

- ① SDI BNC input/output
- ② CVBS BNC input/output
- ③ S-Video mini-din input/output
- ④ YPbP/RGB (Component) EXT SYNC (external sync) G/Y/Y BNC input/output B/P_b/C_b BNC input/output R/P_r/C_r BNC input/output
- ⑤ DVI-D connector
- ⑥ VGA D-Sub 15-Pin
- ⑦ GPI D-Sub 9-Pin
- ⑧ Equipotential Terminal
- ⑨ AC Input
- ⑩ Power Switch



► DIMENSION



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