

ER-19



Endoscopic precision for the high performance imaging requirements of advanced surgical and health-care environments.

The ER-19 is a feature-rich, high resolution 8-bit LCD display designed for the most advanced, performance-critical medical environments. Exceptional colour detail control, programmable preset settings and multiple I/O connector versatility deliver superior image reproduction for endoscopic, surgical and other medical applications. Fanless design, sturdy metal casing and NeoV™ Optical Glass also provide excellent impact, water and dust resistance.

- > Superior performance & natural colour reproduction
- > Colour control in detail
- > 12-bit gamma correction
- > Monochrome Mode (DICOM-ready)
- > “Blue Only” colour fine-tuning
- > Selectable scan size of pictures
- > User memory saving & loading
- > I/O video versatility: SD-SDI, DVI, S-Video, RGB Component, and CVBS
- > Built-in SD-SDI for long distance signal transmission (~ 200 meters)
- > IP 22 dust/water resistance technology
- > Compliant with medical safety standards
- > Protective NeoV™ Optical Glass technology
- > Distinctive metal casing
- > Optional metal display stand
- > Kensington® security socket
- > VESA standard wall mount
- > Available colours: white, black



NeoV™ Optical Glass - The most trusted hard glass protection available. Only on AG Neovo displays



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Specifications

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Display	Panel Type	TFT Active Matrix LCD (IPS Type)
	Panel Size	19.0" (483 mm)
	Resolution	SXGA 1280 x 1024
	Aspect Ratio	5:4
	Pixel Pitch	0.294 mm
	Brightness	300 cd/m ² (Typical)
	Contrast Ratio	450:1 (Typical)
	Viewing Angle (H/V)	170°/170°
	Display Colour	16.7M (8 bits)
	Response Time	20 ms (Typical)
	Panel Life Time	40,000 hrs (Typical)
Display Function	Gamma, DICOM	
Frequency (H/V)		H: 30 kHz - 80 kHz V: 56 Hz - 75 Hz
Input	Analogue	15-Pin D-Sub (female)
	Digital	24-Pin DVI-D
	S-Video	4-Pin mini din
	CVBS	BNC x 1, 75 Ω termination
	Component/RGBs	BNC x 4, 75 Ω termination
	SD-SDI	BNC x 1, 75 Ω termination
	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
Power	(a) External Power	Input DC 24 V, 5.42 A
	(b) Internal Power Power Consumption	AC 100-240 V, 1.2 ~ 0.6 A, 50/60 Hz < 72 W (On) < 15 W (Off)
NeoV™ Optical Glass	Thickness	3.0 mm (0.12")
	Reflection Rate	< 1%
	Transmission Rate	> 96%
	Coating Hardness	> 9H
Plug & Play	VESA	DCC 2B
Operating Conditions	Temperature	-10 °C ~ 40 °C (14 °F ~ 104 °F)
	Humidity	10% ~ 90%
Storage Conditions	Temperature	-20 °C ~ 60 °C (-4 °F ~ 140 °F)
	Humidity	5% ~ 95%
Mounting	VESA FPMPMI	Yes (100 mm)
Language	OSD	EN, FR, DE, IT, ES, CN
Dimensions	w/o base (W x H x D)	420 x 366 x 83 mm (16.5" x 14.4" x 3.2")
	w/ base (W x H x D)	420 x 408 x 175 mm (16.5" x 16.1" x 6.9")
	Packaging(W x H x D)	550 x 550 x 265 mm (21.7" x 21.7" x 10.4")
Weight	Product Weight	
	(a) External Power	w/o base 7.4 kg (16.3 lbs) w/ base 8.1 Kg (17.9 lbs)
	(b) Internal Power	w/o base 7.8 kg (17.2 lbs) w/ base 8.5kg (18.7 lbs)
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), RoHs, REACH
Accessories	Supplied	15-Pin D-Sub cable, 24-Pin DVI cable, S-Video cable, warranty card, user manual, AC power cord 1.8 m. (For external power supply) DC Power cord 3 m, power adaptor
	Optional	Display stand, GPI remote control



Available in black or white



Front-panel keypad with Input Select, Screen Menu, Contrast and Brightness controls for quick adjustments



Wide range of I/O connectors for flexibility and expandability in endoscopic video installations



NeoV™ Optical Glass and durable metal casing for water, dust and scratch resistance