

# PAX-324

## 24" FHD Surgical Monitor



### Features

- True Flat Design with AR Filter
- High Brightness and High Contrast Ratio
- FHD Resolution (1920 x 1200)
- HDMI 2.0, DP 1.2, DVI, RGB Support Up to 1920 x 1200 @ 60 Hz
- SDI Support Up to 1920 x 1080 @ 60Hz
- Multi-Standard Video System Supported: NTSC, PAL, SECAM
- Video Enhancement features including:
  - 14-bit LUT processing
  - DICOM Part 14 GSDF Compliant
  - DICOM, Clear, Blue modes support
- Optional upgrade to IP-based monitor with AVAS
- Variable Gamma and DICOM (Color Temp) mode
- Variable Multi-Picture display mode



### Introduction

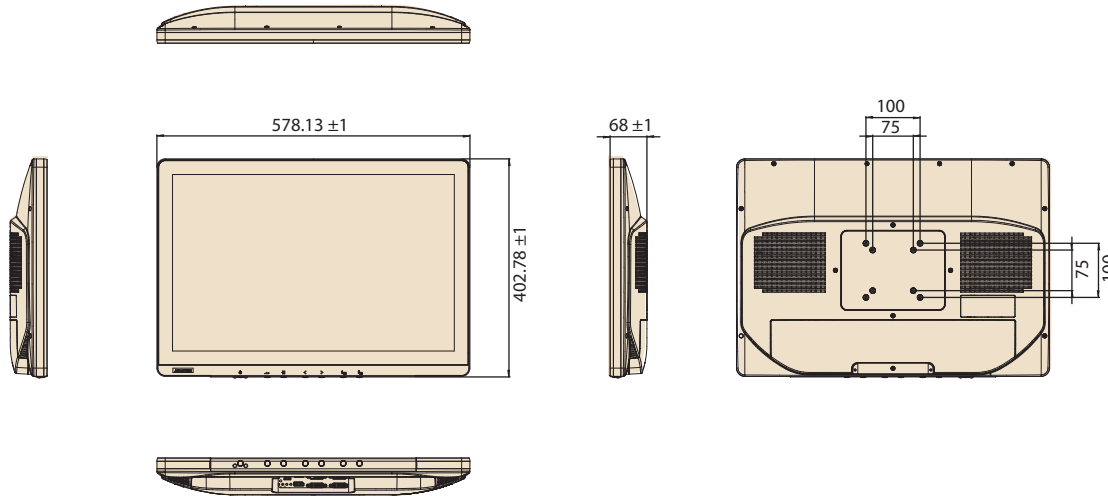
PAX-3 series are medical certified displays for use in operating room imaging applications such as endoscopy, laparoscopy and other imaging modalities. With multiple I/O and support for 14-bit look up table, DICOM and gamma calibrations ensure accurate and precise image reproduction.

### Specifications

		PAX-324-C2B-NAS PAX-324-C2B-NAR	PAX-324-C2B-HAS PAX-324-C2B-HAR
LCD	Screen Size	24.07" (518.4 x 324.0 mm)	
	Resolution	1920 x 1200	
	Aspect Ratio	16:10	
	Pixel Pitch	0.270 x 0.270 mm	
	Viewing Angle	178° / 178°	
	Contrast Ratio (Typ.)	1000 : 1	
	Native Luminance (Typ.)	350 cd/m <sup>2</sup>	900 cd/m <sup>2</sup>
	Color Depth	8-bit 16.7M Colors	10-bit 1.07B Colors
	Display Mode	AH-IPS	AHVA
	Response Time	14ms (G to G)	14ms (Tr + Tf)
	Touchscreen	Optional 10-point PCAP	
	Backlight	LED	
Input	DP 1.2 Input	DP Jack x 1	DisplayPort 1.2, 1920 x 1200 @ 60 Hz max.
	HDMI 2.0 Input	HDMI Jack x 1 (Type A)	Digital RGB: TMDS, 1920 x 1200 @ 60 Hz max.
	DVI Input	DVI Jack x 2 (Type D)	Digital RGB: TMDS, 1920 x 1200 @ 60 Hz max.
	SDI1 Input	BNC Jack x 1	Serial Input Common Mode: 2.2 Vp-p (75 Ω); 1920 x 1080 @ 60 Hz max.
	S-Video Input	Mini DIN Jack x 1 (4-pin)	Y: 1 Vp-p (75 Ω), C: 0.286 Vp-p (75 Ω) [NTSC] Y: 1 Vp-p (75 Ω), C: 0.300 Vp-p (75 Ω) [PAL / SECAM]
	Video Input	BNC Jack x 1	1 Vp-p (75 Ω) [NTSC / PAL / SECAM]
	USB Up	USB-B Jack x 1	For Optional Touchscreen
	RS-232C	Mini DIN Jack x 1 (8-pin)	Service Port
Optional Input	DC Power Input	DC Jack x 1	DC 24 V, 4.16 A
	RGB Input		RGB D-Sub Connector x 1
	Audio Input		Analogue Audio 3.5mm jack x 1
	AVAS	SFP+ Module x 1	For Video Over IP Option, Please Contact Sales
Output	SDI2 Input	BNC Jack x 1	By Request Only
	DVI Output	DVI Jack x 2 (Type D)	Digital RGB: TMDS, 1920 x 1200 @ 60 Hz max.
	SDI1 Output	BNC Jack x 1	Serial Input Common Mode: 2.2 Vp-p (75 Ω); 1920 x 1080 @ 60 Hz max.
	S-Video Output	Mini DIN Jack x 1 (4-pin)	Y: 1 Vp-p (75 Ω), C: 0.286 Vp-p (75 Ω) [NTSC] Y: 1 Vp-p (75 Ω), C: 0.300 Vp-p (75 Ω) [PAL / SECAM]
	Audio Output	Speaker 2x3W	For Optional Option, Please Contact Sales
	Video Output	BNC Jack x 1	1 Vp-p (75 Ω) [NTSC / PAL / SECAM]
Environment	DC Power Output	DC Jack x 1	DC 5 V or DC 12 V
	Temperature	Operational	0 ~ 40 °C
		Storage	-20 ~ 60 °C
	Humidity	Operational	Ta = 40 °C, 90% RH non-condensed
Storage		5 ~ 90%	
Pressure	Operational	500 hPa to 1013 hPa	
	Storage	500 hPa to 1013 hPa	

**Dimensions**

Unit: mm



**Specifications (Cont.)**

Power	Rating	DC 24 V, 4.16 A max.
	Consumption (Typ.)	55.1W max.
Physical Characteristics	IP Ratings	Front IP65 / Top IPX1
	VESA Mount	100 x 100; 75 x 75 mm
	Dimension (W x D x H)	578.13 x 68 x 402.78 mm
	Weight	7.50kg max.
Certifications	CE MDR (EN60601-1; EN60601-1-2), RoHS II	
Warranty	3 Years	

**Ordering Information**

Part Number	Brightness	Power Consumption	Glass Specification	Weight
PAX-324-C2B-NAS	350 cd/m <sup>2</sup>	26.7 W	Anti-Reflection	7.20 kg
PAX-324-C2B-NAR	350 cd/m <sup>2</sup>	26.7 W	PCAP, Anti-Reflection	7.20 kg
PAX-324-C2B-HAS	900 cd/m <sup>2</sup>	55.1 W	Anti-Reflection	7.50 kg
PAX-324-C2B-HAR	900 cd/m <sup>2</sup>	55.1 W	PCAP, Anti-Reflection	7.50 kg

**Optional Items**

Part Number	Description
1702002605	Power Cord (Europe) 1.8M
1702002600	Power Cord (USA) 1.8M
1700032693-11	Power Cord (UK) 1.8M

**Packing List**

Part Number	Description	Qty
PAX-324	24" FHD Surgical Monitor	1
96PSA-A150W24D4-M1	Power Adapter 100W 24V	1
1702002605	EU Power Cable	1
1700000243-11	DVI Cable 1.8M	1

**Recommended Mounting Solution**

Model Name	ARES-2423R	
Part Number	ARES-2423R-A741L00	ARES-2423R-A741L01
Photo		
Max. Support Weight	6 - 12kg	
Max. Support Panel Size	≤ 27"	
VESA Information	75 x 75 mm 100x100 mm	

For more information, please click this link: <https://bit.ly/3T7dLMR>