

PAX-355S

55" 4K UHD Surgical Visualization Display



Features

- High-brightness 4K UHD Surgical Display (3840 × 2160)
- 700-nit Brightness with BLT Technology
- Multi-picture Display (Normal, PiP, PBP, and 4P) for Simultaneous Multi-source Viewing
- Flexible Modular I/O with Optional SDI and SDVoE Integration
- 10-bit Color Reproduction with Variable Gamma & DICOM Presets
- Optional Optical Bonding and Projected Capacitive Touch
- Optional OR Streaming Integration for Remote Collaboration



Introduction

The PAX-355S is a 55-inch 4K UHD large-format surgical display designed for collaborative visualization in Digital OR environments. It enables surgical teams to share high-quality medical images, display multiple imaging sources simultaneously, and support integrated OR workflows for endoscopy, laparoscopy, robotic surgery, and image-guided procedures.

Specifications

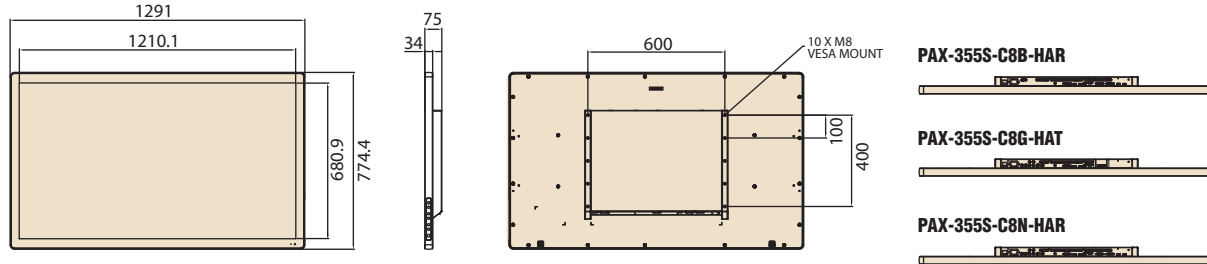
Display	Screen Size (Active Area)		55 (1209.60(H) x 680.40(V) [mm])
	Aspect ratio		16 : 9
	Number of Pixels		3840 (H) x 2160 (V)
	Pixel Pitch		0.3150(H) x 0.3150(V) [mm]
	Displayable Colors		1.07 Billion (10-bit)
	Brightness (Typical)		700 cd/m ²
	Contrast Ratio (Typical)		1,200:1
	Display Mode		TFT
	Response Time (Typical)		8ms (Gray to Gray)
	Viewing Angle (H/V)		178/178
Input Port	Touch Screen		Projected Capacitive
	Coating		AR
	DVI 1 Input		DVI Jack x 1 (Type D), Digital RGB : TMDS MAX : 3840 x 2160@30Hz
	HDMI1 2.0 Input		HDMI Jack x 1 (Type A), Digital RGB : TMDS MAX : 3840 x 2160@60Hz
	DP 1.2 Input		DP Jack x 1, MAX : 3840 x 2160@60Hz
Output Port	USB Up		USB-B Jack x 1, USB 2.0 (For Touch Screen)
	RS-232C		D-Sub Jack x 1, Service Port
SDI Port (Option*)	DC Jack x 1		DC 5V/2A or DC 12V/1A
	Speaker		3.0W(L) + 3.0W(R) [RMS] / 8 Ω
	SDI Quad 3G Input		BNC Jack x 4, Serial Input Common Mode : 2.2V[p-p](75Ω) MAX : 3840 x 2160@60Hz
	SDI Quad 3G Output		BNC Jack x 4, Serial Input Common Mode : 2.2V[p-p](75Ω) MAX : 3840 x 2160@60Hz
	SDI 12G Input		BNC Jack x 1, Serial Input Common Mode : 2.2V[p-p](75Ω) MAX : 3840 x 2160@60Hz
Extension IO (Opion*)	SDI 12G Output		BNC Jack x 1, Serial Input Common Mode : 2.2V[p-p](75Ω) MAX : 3840 x 2160@60Hz
	DVI 2 Input		DVI Jack x 1 (Type D), Digital RGB : TMDS MAX : 3840 x 2160@30Hz
	DVI 2 output		DVI Jack x 1 (Type D), Digital RGB : TMDS MAX : 3840 x 2160@30Hz
	HDMI2 2.0 Input		HDMI Jack x 1 (Type A), Digital RGB : TMDS MAX : 3840 x 2160@60Hz
SDVoE (Option*)	HDMI2 2.0 outputput		HDMI Jack x 1 (Type A), Digital RGB : TMDS MAX : 3840 x 2160@60Hz
Power	4Kp60 Decoder (RX)		SFP+ 10Gbps x2
	Power Supply(Typical)		100-240V~, 50-60HZ, 6.5-4.0A
Physical Characteristics	Power Consumption (Typical)		max 301W
	Dimensions (Without Stand) [W mm x H mm x D mm]		1291 x 775 x 75 mm
	Weight (Without Stand)		32kg, 36kg (with optical bonding)
	IP Rating		IP45 (Front panel)
Certification	CCC, CE MDR (EN60601-1; EN60601-1-2), FCC, RoHs, Reach		
Warranty	3years		
Environment	Temperature	Operating	0 ~ 35 °C
		Storage	-20 ~ 60 °C
	Humidity	Operating	Ta = 40 °C , 90% RH (Non condensed)
		Storage	5 ~ 90%
	Pressure	Operating	80kPa ~ 106kPa
		Storage	80kPa ~ 106kPa
	Altitude	Operating	2,000m (6,600ft)
		Storage	4,877m (16,000ft)

* The specifications are subject to change without notice

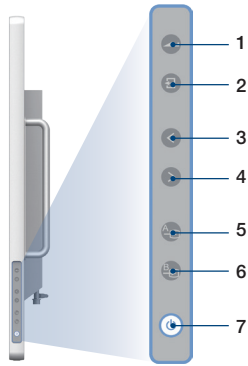
*Only two of the three options can be selected simultaneously.

Dimensions

Unit: mm



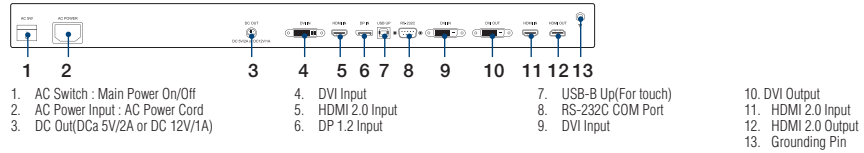
Side/Function keys



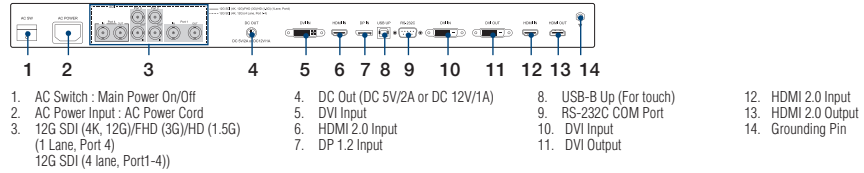
1. MENU /Enter Key
2. EXIT/INPUT Key
3. LEFT Key
4. RIGHT Key
5. Port A KEY
6. Port B KEY
7. POWER Button

I/O Ports

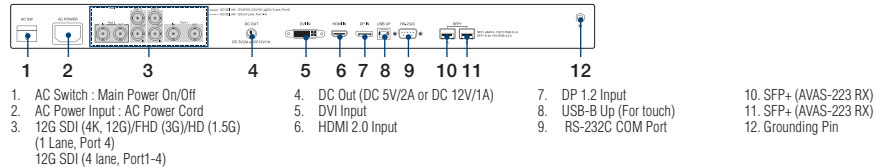
(PAX-355S-C8B-XXX)



(PAX-355S-C8N-XXX)



(PAX-355S-C8G-XXX)



Ordering Information

Part Number	Touch	Cover Glass	Optical Bonding	Extension I/O	SDVoE	SDI
PAX-355S-C8B-HAR	w/AR	-	-	✓	-	-
PAX-355S-C8N-HAR	w/AR	-	-	✓	-	✓
PAX-355S-C8B-HAS	-	w/AR	-	✓	-	-
PAX-355S-C8G-HAT	w/AR	-	✓	✓	✓	-

Optional Items

Power Cord

Part Number	Description
1702002600	Power Cord (USA) 1.8 M
1702002605	Power Cord (Europe) 1.8 M
1700018704	Power Cord (UK) 1.8 M
1700000596-11	Power Cord(China) 1.8m

Packing List

Part Number	Description	Qty
PAX-355S-C8	55" 4K Surgical Monitor	1
968DG00012	Remote control	1
1700031475-01	USB cable A to B/2m	1
1700028438-01	HDMI Cable 1.8M	1

Recommended Mounting Solution

Model Name	ARES-11490
Part Number	ARES-11490-L654000
Photo	
Max. Support Weight	80kg
Max. Support Panel Size	32" ~ 85"
VESA Information	700 x 450mm

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