

The Wall

IAB Series



Specifications

Model		IAB		
		146" 4K	146" 2K	110" 2K
Physical Parameter	Pixel Pitch	0.84 mm	1.68 mm	1.26 mm
	Pixel Configuration	1 red, 1 green, 1 blue	1 red, 1 green, 1 blue	1 red, 1 green, 1 blue
	Configuration (LxH, per screen)	3840 x 2160 pixels	1920 x 1080 pixels	1920 x 1080 pixels
	Diode Type	Flip-chip RGB LED	Flip-chip RGB LED	Flip-chip RGB LED
	Dimensions (mm, LxHxD, per screen)	3,225.6 x 1,814.4 x 49 mm	3,225.6 x 1,814.4 x 49 mm	2,419.2 x 1,360.8 x 49 mm
	Dimensions (inch, per screen)	145.7 x 1.9 inch	145.7 x 1.9 inch	109.3 x 1.9 inch
	No. of Modules (WxH, per screen)	16 x 12	16 x 12	12 x 9
Optical Parameter	Weight (per screen)	168 kg	168 kg	108 kg (TBD)
	Brightness (Peak/Max) ⁽¹⁾	1,600 nit / 500 nit	1,400 nit / 500 nit	1,600 nit / 500 nit
	Contrast Ratio ⁽²⁾	24,000 : 1	22,000 : 1	24,000 : 1
	HDR Compatibility	LED HDR / HDR10+ support / AI Picture	LED HDR / HDR10+ support / AI Picture	LED HDR / HDR10+ support / AI Picture
	Viewing Angle - Horizontal	170°	170°	170°
	Viewing Angle - Vertical	155°	155°	155°
	Bit Depth	16 bit (Internal processing 20bit)	16 bit (Internal processing 20bit)	16 bit (Internal processing 20bit)
Electrical Parameter	Color Temperature - Default	6,500K ± 500K (Floating bin)	6,500K ± 500K (Floating bin)	6,500K ± 500K (Floating bin)
	Color Temperature - Adjustable	2,800K ~ 10,000K	2,800K ~ 10,000K	2,800K ~ 10,000K
	Video Rate	50/60 Hz 100/120 (FRC) Hz	50/60 Hz 100/120 (FRC) Hz	50/60 Hz 100/120 (FRC) Hz
Operational Parameter	Input Power Range	100~240 VAC, 50/60 Hz	100~240 VAC, 50/60 Hz	100~240 VAC, 50/60 Hz
	Power Consumption - Max	1700 (W/Screen)	1240 (W/Screen)	1000 (W/Screen) (TBD)
	Power Consumption - Typ	1100 (W/Screen)	860 (W/Screen)	2080 (W/Screen) (TBD)
	Heat Generation - Max	5800 (BTU/Screen)	4231 (BTU/Screen)	9504 (BTU/Screen) (TBD)
	Heat Generation - Typ	3753 (BTU/Screen)	2934 (BTU/Screen)	7104 (BTU/Screen) (TBD)
	Refresh Rate ⁽³⁾	3,840 Hz	7,680 Hz	3,840 Hz
Connectivity / Sound	Power Redundancy	No	No	No
	Working Temperature / Humidity	0°C~+40°C / 10%~80%RH	0°C~+40°C / 10%~80%RH	0°C~+40°C / 10%~80%RH
	Storage Temperature / Humidity	-20°C~+45°C / 5%~95%RH	-20°C~+45°C / 5%~95%RH	-20°C~+45°C / 5%~95%RH
	IP Rating	IP20	IP20	IP20
	LED Lifetime	150,000 hours	150,000 hours	150,000 hours
Certification	Controller	Built-in	Built-in	Built-in
	Input (Video)	DP1.2 (1), HDMI 2.0 (3), USB 2.0 (2)	DP1.2 (1), HDMI 1.4 (3), USB 2.0 (2)	DP1.2 (1), HDMI 1.4 (3), USB 2.0 (2)
	Output	Audio (Stereo mini Jack) / eARC	Audio (Stereo mini Jack) / eARC	Audio (Stereo mini Jack) / eARC
	WiFi / BT	O / O	O / O	O / O
	External Control	RS232C(in), RJ45	RS232C(in), RJ45	RS232C(in), RJ45
	Speaker	10W 2ch	10W 2ch	10W 2ch
Service	Safety	62368-1, 60950-1	62368-1, 60950-1	62368-1, 60950-1
	EMC	Class A	Class A	Class A
	Eye-protection	TUV Low Blue Light	TUV Low Blue Light	TUV Low Blue Light
	Fire-protection	N/A	N/A	N/A
Features	Service	Front	Front	Front
	Operating System	Tizen 6.5	Tizen 6.5	Tizen 6.5
	MagicINFO	Yes	Yes	Yes
	Sensor	Temperature, Eco Sensor	Temperature, Eco Sensor	Temperature, Eco Sensor
	Other	AI Picture, LED HDR, HDR10/10+, Dynamic Peaking	AI Picture, LED HDR, HDR10/10+, Dynamic Peaking	AI Picture, LED HDR, HDR10/10+, Dynamic Peaking
Accessories	Other SW Features	Workspace (Microsoft365/VMWare/RDP), Auto Source Switching & Recovery, Dicom Simulation Mode, SmartView+(PC)	Workspace (Microsoft365/VMWare/RDP), Auto Source Switching & Recovery, Dicom Simulation Mode, SmartView+(PC)	Workspace (Microsoft365/VMWare/RDP), Auto Source Switching & Recovery, Dicom Simulation Mode, SmartView+(PC)
	Accessories	Décor Frame, Frame Kit, Buffer parts (18 Modules, 1 T-Con, 1 SMPS)	Décor Frame, Frame Kit, Buffer parts (18 Modules, 1 T-Con, 1 SMPS)	Décor Frame, Frame Kit, Buffer parts (12 Modules, 1 T-Con, 1 SMPS)
Package	Remote Control	IR Remote Cotroller	IR Remote Cotroller	IR Remote Cotroller
	Box Dimension (mm, WxHxD)	2,000 x 2,162 x 1,000	2,000 x 2,162 x 1,000	TBD
Special Installation	Package Weight (per cabinet)	301 kg	301 kg	148 kg
	Curve	N/A	N/A	N/A
	Inclination	N/A	N/A	N/A
	Rotation	N/A	N/A	N/A
Other ⁽⁴⁾	Side by Side Installation with additional frame kit (up to 4 screens)	"Side by Side Installation with additional frame kit (up to 4 screens)"	Side by Side Installation with additional frame kit (up to 4 screens)	

(1) Peak value according to IDMS (Information Display Measurement Standard)

(2) Measured under 10lux light Test condition. Contrast in darkroom exceeds 1000000:1

(3) Referring to visual refresh rate

(4) optional structure required

Business applications



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LED Signage

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