

# Specifications

Model		IAB		
		146" 4K	146" 2K	110" 2K
Physical Parameter	Pixel Pitch	0.84 mm	1.68 mm	1.26 mm
	Diode Type	Flip-chip RGB LED	Flip-chip RGB LED	Flip-chip RGB LED
	Screen Size (LxHxD)	3,229.5 x 1,818.0 x 49.1 mm	3,229.5 x 1,818.0 x 49.1 mm	2,423.1 x 1,364.4 x 49.1 mm
	Screen Weight	160 kg	160 kg	99 kg
Optical Parameter	Brightness (Peak/Max) <sup>(1)</sup>	1,600 nit / 500 nit	1,400 nit / 500 nit	1,600 nit / 500 nit
	Contrast Ratio <sup>(2)</sup>	24,000 : 1	22,000 : 1	24,000 : 1
	HDR Compatibility	LED HDR / HDR10 support / AI Picture	LED HDR / AI Picture	LED HDR / AI Picture
	Viewing Angle (Horizontal / Vertical)	170° / 155°	170° / 155°	170° / 155°
Electrical Parameter	Bit Depth	16 bit (Internal processing 20bit)	16 bit (Internal processing 20bit)	16 bit (Internal processing 20bit)
	Video Rate	50/60 Hz 100/120 (FRC) Hz	50/60 Hz 100/120 (FRC) Hz	50/60 Hz 100/120 (FRC) Hz
	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)	900 (W/Screen)
	Power Consumption - Typ	1100 (W/Screen)	860 (W/Screen)	650 (W/Screen)
	Refresh Rate	3,840 Hz	3,840 Hz	3,840 Hz
Operational Parameter	Visual Refresh Rate	7,680 Hz	7,680 Hz	7,680 Hz
	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
Connectivity / Sound	LED Lifetime	150,000 hours	150,000 hours	150,000 hours
	Controller	Built-in	Built-in	Built-in
	Input (Video)	DP 1.2 (1), HDMI 2.0 (3), USB 2.0 (2)	DP 1.2 (1), HDMI 1.4 (3), USB 2.0 (2)	DP 1.2 (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
Certification	Speaker	10W 2ch	10W 2ch	10W 2ch
	Safety	62368-1, 60950-1	62368-1, 60950-1	62368-1, 60950-1
	EMC	Class A	Class A	Class A
Service	Eye-protection	TUV Low Blue Light	TUV Low Blue Light	TUV Low Blue Light
	Service	Front	Front	Front
Features	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 SW Features	Workspace (Microsoft365/VMWare/RDP), Auto Source Switching & Recovery, Dicom Simulation Mode, SmartView+(PC)		
Accessories	Accessories (in-box)	Décor Frame, Frame Kit, Buffer parts (18 Modules, 1 T-Con, 1 SMPS)		
	Remote Control	IR Remote Cotroller	IR Remote Cotroller	IR Remote Cotroller
Special Installation	Other <sup>(3)</sup>	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)optional structure required