

# PN-Series

LED-backlit Display 55" | 46"



Ultra slim bezel displays  
for seamless digital  
signage integration

Anti-Burn-in

3.5 mm

DisplayPort

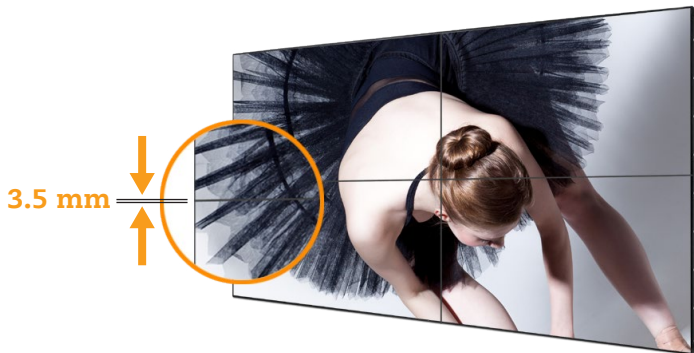
HeatControl Sensor

Gamma

OPS

The PN-Series ultra slim bezel displays are designed for professional video wall applications. Given its built-in scheduler, OPS slot and tiling function, these premium displays are easy to setup and maintain. With its up to 700 nits\* of brightness and premium-grade panel, visually stunning video walls can be displayed in demanding environments — from large public venues to 24/7 operation control rooms.





PN-55H / PN-55D

### Professional Video Walls

46" super narrow bezel 5.7 mm and 55" ultra narrow bezel 3.5 mm professional video wall displays create seamless images for an uninterrupted visual experience. For a complete video wall setup, up to 15x10\* tiling is supported via DisplayPort\* and DVI interfaces.

### Easy Control for Large-Scale Digital Signage

Its built-in scheduler and OPS slot are complemented by IR / RS232 looping and Ethernet control capabilities to easily control, setup and maintain large-scale digital signage video walls installations.



Full HD  
700 nits

### High Visibility and Flexibility

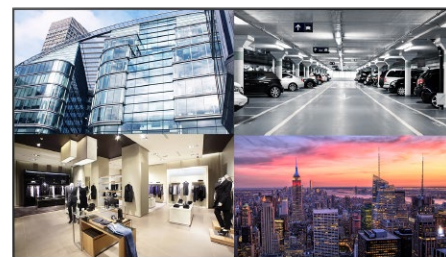
High contrast, wide viewing angles and up to 700 nits\* of brightness give you images with superior clarity while the flexible landscape or portrait display orientation suits preferred content layouts and fulfills different applications.

### Industry-leading Reliability

Designed for 24/7 operation, these durable metal-housed displays take advantage of superior components to ensure a long product lifetime. Its integrated HeatControl Sensor automatically activates the internal cooling fans, which is crucial when the temperature rises in mission-critical installations.

### Features

- Full HD 1920 x 1080 resolution
- Anti-Burn-in™ technology prevents image ghosting
- 3.5mm ultra narrow bezel for seamless LCD video walls
- DisplayPort 1.2 Multistream functionality allows for 4K UHD resolution across a 2x2 video wall
- PiP/PbP functions enable multi-source viewing simultaneously\*
- Image Enhancer: 3D Comb Filter / Deinterlace / Noise Reduction / Freeze\*
- Versatile connectivity: DisplayPort, HDMI, DVI, VGA, Composite, Component
- An integrated scheduler allows content programming based on time and day
- DMR function: play media shared over a local network\*
- Alink™ function for synchronized powering on/off via HDMI\*



- Native tiling support for easy video wall setup (up to 5 x 5)
- HeatControl Sensors automatically activate the internal cooling fans when temperature rises
- Black-level adjustment for presenting more details in dark images\*
- Selectable gamma curves optimise different kinds of images
- OPS slot ready for easy IPC, media player or HDBaseT receiver integration
- Designed and developed for continuous 24/7 operation

\* Features may vary by model



## Specifications

### PN-55H

### PN-55D

<b>Panel</b>	Panel Type	LED-Backlit TFT LCD (IPS Technology)	LED-Backlit TFT LCD (IPS Technology)	
	Panel Size	54.6"	54.6"	
<b>Frequency (H/V)</b>	Max. Resolution	FHD 1920 x 1080	FHD 1920 x 1080	
	Pixel Pitch	0.630 mm	0.630 mm	
	Brightness	700 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>	
	Contrast Ratio	1400:1	1400:1	
	Viewing Angle (H/V)	178°/178°	178°/178°	
	Display Colour	1.07B	1.07B	
	Response Time	5 ms	5 ms	
	Surface Treatment	Anti-Reflection Treatment (Reflectance <2%), 3H Hard Coating	Anti-Glare Treatment (Haze 10%), 3H Hard Coating	
	<b>Input</b>	Display Port	1.2 x 1	1.2 x 1
		HDMI	1.3b x 2	1.3b x 2
<b>Output</b>	DVI	24-Pin DVI-D x 1	24-Pin DVI-D x 1	
	VGA	15-Pin D-Sub x 1	15-Pin D-Sub x 1	
	Component	BNC x 1	BNC x 1	
	Composite	BNC x 1 (Share with Component-Y)	BNC x 1 (Share with Component-Y)	
	DVI/VGA	29-Pin DVI-I x 1	29-Pin DVI-I x 1	
<b>External Control</b>	IR in/out	3.5 mm Phone Jack	3.5 mm Phone Jack	
	RS232 in/out	2.5 mm Phone Jack	2.5 mm Phone Jack	
	LAN (RJ45)	Yes	Yes	
<b>Other Connectivity</b>	USB	2.0 x 1 (Service Port / Media Playback)	2.0 x 1 (Service Port / Media Playback)	
	OPS Slot	Yes	Yes	
<b>Audio</b>	Audio In	Stereo Audio Jack (3.5 mm)	Stereo Audio Jack (3.5 mm)	
	Audio Out	Stereo Audio Jack (RCA)	Stereo Audio Jack (RCA)	
	Internal Speakers	Stereo Audio Jack (3.5 mm)	Stereo Audio Jack (3.5 mm)	
	Speaker Output (RMS)	10W x 2	10W x 2	
<b>Power</b>	Power Supply	Internal	Internal	
	Power Requirements	AC 100-240V, 50/60 Hz	AC 100-240V, 50/60 Hz	
	On Mode	167W (On)	127W (On)	
	Stand-by Mode	< 0.5W	< 0.5W	
<b>Operating Conditions</b>	Off Mode	< 0.5W	< 0.5W	
	Temperature	0°C-40°C (32°F-104°F)	0°C-40°C (32°F-104°F)	
<b>Storage Conditions</b>	Humidity	20%-80% (non-condensing)	20%-80% (non-condensing)	
	Temperature	-20°C-60°C (-4°F-140°F)	-20°C-60°C (-4°F-140°F)	
<b>Mounting</b>	Humidity	5%-90% (non-condensing)	5%-90% (non-condensing)	
	VESA FPMPMI	Yes (400 x 400 mm)	Yes (400 x 400 mm)	
<b>Security</b>	Kensington Security Slot	Yes	Yes	
<b>Dimensions</b>	w/o Base (W x H x D)	1213.4 x 684.2 x 107.7 mm (47.8" x 26.9" x 4.2")	1213.4 x 684.2 x 107.7 mm (47.8" x 26.9" x 4.2")	
	Packaging (W x H x D)	1551.0 x 961.0 x 450.0 mm (61.1" x 37.8" x 17.7")	1551.0 x 961.0 x 450.0 mm (61.1" x 37.8" x 17.7")	
<b>Weight</b>	w/o Base	24.9 kg (54.8 lb)	27.0 kg (59.5 lb)	
	Packaging weight	37.3 kg (82.1 lb)	39.4 kg (86.8 lb)	
<b>Regulation Approval</b>	Certifications & Compliance	FCC, CE, BSMI, CB, WEEE, RoHS, REACH, EAC	FCC, CB, CE, WEEE, RoHS, REACH, EAC	
<b>Accessories</b>	Supplied	Power Cord, VGA Cable, RS232 Cable, Remote Control, Batteries, RS232 Daisy Chain Cable, IR Sensor, CD	Power Cord, VGA Cable, RS232 Cable, Remote Control, Batteries, RS232 Daisy Chain Cable, IR Sensor, CD	
<b>Optional Accessories</b>		Floor Mounts: FMS-01, FMS-02, FMC-02 Video Wall Mounts: VWM-01, VWM-02 Wall Mount: WMA-01 Stand: STD-05 Ceiling Mount (Landscape only): CMP-01 + LMK-01 Wall Mounts (Landscape only): LMK-01, LMK-03 Floor Mounts (Landscape only): FMC-03 + LMK-04, FMC-04 + LMK-04	Floor Mounts: FMS-01, FMS-02, FMC-02 Video Wall Mounts: VWM-01, VWM-02 Wall Mount: WMA-01 Stand: STD-05 Ceiling Mount (Landscape only): CMP-01 + LMK-01 Wall Mounts (Landscape only): LMK-01, LMK-03 Floor Mounts (Landscape only): FMC-03 + LMK-04, FMC-04 + LMK-04	



## Specifications

## PN-46D

<b>Panel</b>	Panel Type	LED-Backlit TFT LCD (VA Technology)
	Panel Size	46.0"
	Max. Resolution	FHD 1920 x 1080
	Pixel Pitch	0.530 mm
	Brightness	500 cd/m <sup>2</sup>
	Contrast Ratio	3500:1
	Viewing Angle (H/V)	178°/178°
	Display Colour	16.7M
	Response Time	5 ms
	Surface Treatment	Anti-Glare Treatment (Haze 25%), 2H Hard Coating
<b>Frequency (H/V)</b>	H Freq.	31 kHz-92 kHz
	V Freq.	48 Hz-85 Hz
<b>Input</b>	Display Port	x 1
	HDMI	1.3b x 1
	DVI	24-Pin DVI-D x 1
	VGA	15-Pin D-Sub x 1
	Component Composite	BNC x 1 BNC x 1 (Share with Component-Y)
<b>Output</b>	DVI/VGA	29-Pin DVI-I x 1
<b>External Control</b>	IR in/out	3.5 mm Phone Jack
	RS232 in/out	9-Pin D-Sub
	LAN (RJ45)	Yes
<b>Other Connectivity</b>	OPS Slot	Yes
<b>Audio</b>	Audio In	Stereo Audio Jack (3.5 mm) Stereo Audio Jack (RCA)
	Audio Out	Stereo Audio Jack (RCA)
	Internal Speakers	10W x 2
	Speaker Output (RMS)	10W x 2
<b>Power</b>	Power Supply	Internal
	Power Requirements	AC 100-240V, 50/60 Hz
	On Mode	135W (On)
	Stand-by Mode	< 0.5W
Off Mode	< 0.5W	
<b>Operating Conditions</b>	Temperature	0°C-40°C (32°F-104°F)
	Humidity	20%-80%(non-condensing)
<b>Storage Conditions</b>	Temperature	-20°C-60°C (-4°F-140°F)
	Humidity	5%-90% (non-condensing)
<b>Mounting</b>	VESA FPM PMI	Yes (400 x 200 mm & 200 x 200 mm)
<b>Security</b>	Kensington Security Slot	Yes
<b>Dimensions</b>	w/o Base (W x H x D)	1024.0 x 578.6 x 125.7 mm (40.3" x 22.8" x 4.9")
	Packaging (W x H x D)	1290.0 x 865.0 x 363.0 mm (50.8" x 34.0" x 14.3")
<b>Weight</b>	w/o Base	23.0 kg (50.7 lb)
	Packaging weight	32.4 kg (71.4 lb)
<b>Regulation Approval</b>	Certifications & Compliance	FCC, CE, BSMI, CB, WEEE, RoHS, REACH, EAC
<b>Accessories</b>	Supplied	Power Cord, VGA Cable, Remote Control, Batteries, IR Sensor, CD, Power Switch Cover and Screw
<b>Optional Accessories</b>		Floor Mounts: FMS-01, FMS-02, FMC-02 Video Wall Mounts: VWM-01, VWM-02 Wall Mount: WMK-03 Stand: STD-05 Ceiling Mount (Landscape only): CMP-01 + LMK-01, CMP-01 + LMK-02, CMP-01 + WMK-03 Wall Mounts (Landscape only): LMA-01, LMK-01, LMK-02, LMK-03