

Professional UHD Signage Displays PDU Series

75" / 86" / 98"

Resolution: 3840x2160 (UHD)

Brightness:

75": 600 cd/m²

86" & 98" 500 cd/m

Operation: 24/7

Bezel: 16-39 mm (T/R/L), 21-39 mm (B)

Interface: HDMI 2.0 / VGA / USB / RS232 /

RJ45 / RJ12 / IR / HP / Audio / Speaker



Signal Failover

Our displays have a protection for "No Signal". If the source is disconnected, the display will either show your customized banner or search for any other signal from video sources. Since blank screen is the worst case scenario for advertisement, failover is one of the critical feature in our signage displays.



Display Control over RS232 and LAN

Our platform allows users to control their displays, using a large range of commands through either a Local Area Network or direct RS232 Serial connection.



Scheduler

The built in scheduler is one of the many important included features. The scheduler allows you to plan daily routines of when the display is powered on or off, along with selections of different sources or USB playlists.



Pixel Shifting

The Pixel Shifting feature can be activated in order to reduce the potential risk of image sticking when static content is displayed over long periods of time. The feature periodically shifts the image on the display, without causing any interference of the visual experience.

PDU Series

Model Name	PDU75U33/7	PDU86SF30B/7	PDU98SF31B/7
Panel			
Screen Size	75"	86"	98"
Panel Technology	IPS	IPS	SVA
Backlight Type	Direct-Type LED	Edge-Type LED	ELED
Brightness (typical)	400 cd/m ²	500 cd/m ²	500 cd/m ²
Native Resolution	3840 x 2160 (16:9) - UHD	3840 x 2160 (16:9) - UHD	3840 x 2160 (16:9) - UHD
Contrast Ratio (typical)	1200:1	1200:1	4000:1
Dynamic Contrast Ratio	40000:1	50000:1	50000:1
Panel Life Time (Min.)	50000 Hrs	50000 Hrs	50000 Hrs
Response Time (typical)	8 ms	8 ms	6 ms
Active Area (H x V)	1650 x 928 mm	1899 x 1069 mm	2158 x 1214 mm
Pixel Pitch (H x V)	0.429 x 0.429 mm	0.4935 x 0.4935 mm	0.5621 x 0.5621 mm
PPI (pixel per inch)	59	52	45
Viewing Angle	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10
Color Value	1.07 B (10-bit)	1.07 B (10-bit)	16.7 M (8-bit)
Screen Treatment	2H	2H	2H
Haze Level	3%	3%	25%
Refresh Rate	60 Hz	74.25 MHz	60 Hz
Front Type	Ultra Narrow Bezel	SNB	SNB
Orientation	Horizontal / Vertical	Horizontal / Vertical	Horizontal / Vertical
Operation Hours	24/7	24/7	24/7
Area of Usage	Indoor	Indoor	Indoor
Mainboard			
Mainboard Model	17MB120DSR4-DSOPT7	17MB120DSR4-DSOPT7	17MB120DSR4-DSOPT7
Monitor Connectivity			
RGB Input	VGA(DE-15F)	VGA(DE-15F)	VGA(DE-15F)
RGB Output	N/A	N/A	N/A
Video Input	4xHDMI2.0, 1xDP1.2a, 2xUSB2.0, USB2.0(Internal)	4xHDMI2.0, 1xDP1.2a, 2xUSB2.0, USB2.0(Internal)	4xHDMI2.0, 1xDP1.2a, 2xUSB2.0, USB2.0(Internal)
Video Output	HDMI2.0, DP1.2a	HDMI2.0, DP1.2a	HDMI2.0, DP1.2a
Audio Input	Line In L/R	Line In L/R	Line In L/R
Audio Output	Headphone, Optic SPDIF	Headphone, Optic SPDIF	Headphone, Optic SPDIF
External Control	RS232(DE-9F), Ethernet(RJ45), Service(RJ12)	RS232(DE-9F), Ethernet(RJ45), Service(RJ12)	RS232(DE-9F), Ethernet(RJ45), Service(RJ12)
External Sensor	RJ12	RJ12	RJ12
Mechanical			
Product Dimensions (WxDxH)	1684 x 100 x 967 mm	1975 x 103 x 1146 mm	2236 x 98 x 1292 mm
Package Dimensions (WxDxH)	1948 x 210 x 1170 mm	2163 x 318 x 1405 mm	2423 x 380 x 1563 mm
Product Weight	37.2 kg	65.8 kg	102.3 kg
Package Weight	50.2 kg	85.6 kg	126.7 kg
Vesa Mounting	600 x 400 mm - M6	600 x 400 mm - M6	900 x 600 mm
Bezel Width	B:21 T:16 L/R:16 mm	B:38 T:38 L/R:38 mm	B:39 T:39 L/R:39 mm
Environmental Conditions			
Operating Temperature	0-40°C	0-40°C	0-40°C
Operating Humidity	10-90%	10-90%	10-90%
Power			
Power Supply	110 VAC - 240 VAC - 50/60 Hz	110 VAC - 240 VAC - 50/60 Hz	110 VAC - 240 VAC - 50/60 Hz
Power Consumption			
Typical	223 W	254 W	498 W
Deep Standby	≤0.5 W	≤0.5 W	≤ 0.5 W
Features			
Main Features	Open Content Management Support, Scheduler, USB-Auto-play, Auto-Launch, HDMI-CEC, HDMI-Wakeup, Auto-switch on Failover, Panel Lock, OSD Rotation, NoSignalPowerOff, Screen Saver, Pixel shift, Scheduler, Videowall support, remote control via LAN, Real Time Clock	Open Content Management Support, Scheduler, USB-Auto-play, Auto-Launch, HDMI-CEC, HDMI-Wakeup, Auto-switch on Failover, Panel Lock, OSD Rotation, NoSignalPowerOff, Screen Saver, Pixel shift, Scheduler, Videowall support, remote control via LAN, Real Time Clock	Open Content Management Support, Scheduler, USB-Auto-play, Auto-Launch, HDMI-CEC, HDMI-Wakeup, Auto-switch on Failover, Panel Lock, OSD Rotation, NoSignalPowerOff, Screen Saver, Pixel shift, Scheduler, Videowall support, remote control via LAN, Real Time Clock
Mechanical Features	Joystick, IR Extender Support, Rocker Switch, Detachable power cable, Carrying slots, Detachable logo positioning, Internal usb cover, Cable Holder	Joystick, IR Extender Support, Rocker Switch, Detachable power cable, Carrying slots, Detachable logo positioning, Internal usb cover, Cable Holder	Joystick, IR Extender Support, Rocker Switch, Detachable power cable, Carrying slots, Detachable logo positioning, Internal usb cover, Cable Holder
Optional Features	OPS Compliance, IR Overlay Touch Compliance	OPS Compliance	OPS Compliance
Speaker	2 x 12 W	2 x 12 W	2x12W
Accessory			
Standard	QSG, IB, Power Cord, Remote Control Unit, RC Battery, Mounting Kit, Extension Brackets, IR Extender Cable	QSG, IB, Power Cord, Remote Control Unit, RC Battery, Mounting Kit, Extension Brackets, IR Extender Cable	QSG, IB, Power Cord, Remote Control Unit, RC Battery, Mounting Kit, Extension Brackets, IR Extender Cable
Certification			
Safety	Yes	Yes	Yes
EMC	Yes	Yes	Yes
CB	Yes	Yes	Yes
CE	Yes	Yes	Yes