

Vestel Digital Signage





COMPANY PROFILE

Vestel City, which comprises nine plants located in Manisa, is amongst the biggest industrial complexes of the world.

As one of the leading enterprises in Turkey, Vestel is a major player in consumer electronics, mobile technologies, household appliances, professional displays and Led lighting with renowned products, including television sets, educational, hospitality and digital signage solutions, digital set-top boxes, tablet PCs, smart phones, refrigerators, washing machines, cooking appliances,

dishwashers, air conditioners, and water heaters.

The company is recognised for its cutting-edge designs, high product quality, large production capacity, and superior market share growth.

Vestel offers a wide range of visual solution products for retail, corporate, hospitality, betting, transportation and education sectors. Vestel visual solutions are designed to fit various environmental

requirements with a long lifetime and low power consumption. The unique designs also help reducing operational and maintenance costs with increased return over investment.

Manufacturing at the highest quality standards requires discipline as well as knowledge and experience.

All Vestel products are tested in-house in the company's certified quality



1.100.000 m²
Closed Production Area



35 Million
Device Production
Capacity



16.000
Employees



\$ 4 Billion
Turnover



18 Million
TV Production
Capacity



Export Leader of Turkey with
\$ 2,5 Billion

labs to ensure electronic and mechanical sustainability.

Vestel places the utmost importance to product design and development. The company invests in new technological developments continuously to lead the electronics and household appliance markets.

R&D facilities located in Manisa, İstanbul, United Kingdom, and China employ the highest caliber engineers

to develop hardware and software solutions that provide clients with world-class quality products.

Vestel has proven its success in product design by receiving the most prestigious design awards every year from well-known industrial design organisations for a variety of products.

Vestel Trade, the company responsible for the marketing and sales of Vestel products overseas, exports 73% percent

of its production under leading Japanese and European brands to 155 countries.

Distributing its products to seven continents, Vestel takes its place as a world-class company.



GLOBAL OPERATIONS

Manufacturing & Assembly Plants

TV, Set-top Boxes

Manisa, Turkey

Professional Displays, Tablet PC, Smart Phone, LED lighting

Manisa, Turkey

**Refrigerator, Washing Machine, Dishwasher, Tumble Dryer, Cooking Appliances,
Air Conditioner, Water Heater**

Manisa, Turkey



Marketing & Sales Companies

Vestel Trade, Turkey
Vestel France, France
Vestel Germany, Germany
Vestel UK, United Kingdom
Vestel Iberia, Spain
Vestel Poland, Poland

Vestel Benelux, Netherlands
Vestel CIS Ltd, Russia
Vestel Electronica, Romania
Vestel Central Asia, Kazakhstan
Vestel Electronics Gulf, Dubai

R&D Centers

Manisa, Turkey
Istanbul, Turkey
Bristol, United Kingdom
Shanghai, China

Ultra HD Signage Displays UHM Series

65" / 75" / 86"

Resolution: 3840x2160 (UHD)

Brightness: 400 cd/m²

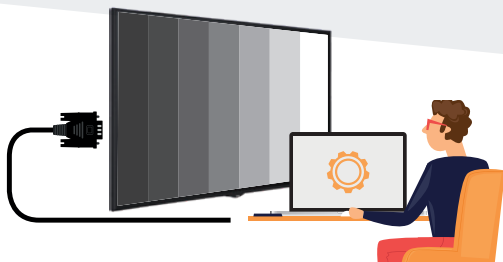
Operation: 16/7

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

Interface: HDMI 2.0 / VGA / USB / RS232 / RJ45 / RJ12 / IR / HP / Audio / Speaker



Eye-catching images can be shown in clarity on UHM products with high resolution and High Dynamic Range of colors. Powerful system of screen can work anywhere without need of any other source.



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.



Wireless Display

Using either Microsoft Wireless Display Adaptor or Android Screen Sharing functions on Windows and Android devices, you can mirror screen to the display using embedded wireless display capabilities without using any external devices or cables.



Menu Lock

The menu lock feature allows the displays menus to be locked after installation in order to prevent any changes or access whilst being used in a public area.



SoC

HTML-5 based applications can be developed to work directly within the SoC platform of our displays. The displays are capable of working in either online or offline mode.

Professional High Bright Signage Displays PDH Series

43" / 49" / 55"

Resolution: 1920x1080 (FHD)

Brightness: 700 cd/m²

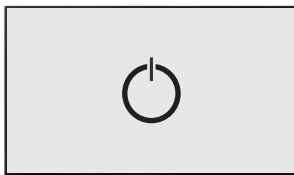
Operation: 24/7

Bezel: 7-11 mm (T/R/L), 13-14 mm (B)

Interface: HDMI 2.0 / VGA / USB / RS232 /
RJ45 / RJ12 / IR / HP / Audio / Speaker

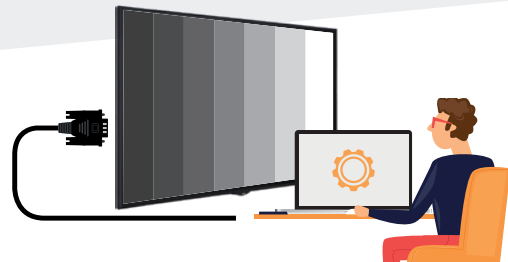


Show entertaining and lasting images to your customer with PDH series, even in brightly lit locations at your work place. With powerful built in solutions you can effortlessly show material without the need for external playback devices.



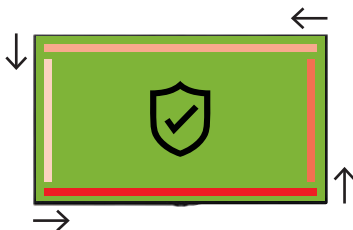
Temperature Control

You can manage the internal conditions to maximise the life of your product by using temperature settings. This feature allows you to determine max shutdown temperature to ensure about the reliability of your signage display. You can also simultaneously get the information of cabinet temperature to your CMS system by using RS232 commands.



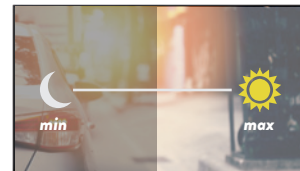
Display Control over RS232 and LAN

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.



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



Brightness Scheduler

Customization of a range of brightness levels via manual setup without any sensor requirement is made available using the brightness scheduling feature. The feature also helps to decrease the energy expenses while saving the environment and extending the life of the monitor.

Professional UHD Signage Displays PDU Series

75" / 86" / 98"

Resolution: 3840x2160 (UHD)

Brightness:

75": 600 cd/m²

86" & 98": 500 cd/m²

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



These large screen professional displays are designed to deliver maximum impact at crystal clear UHD resolution.



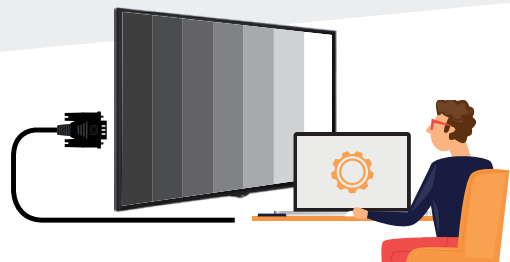
Signal Failover

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.



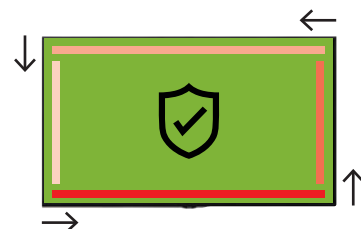
Scheduler

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 selection of different sources or USB playlists.



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.



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.

Accessories



Plugin OPS Module

Vestel's pluggable processors (OPS) are designed to give extra computational power to our displays.



Touch Overlay

Signage displays can be equipped with touch functionality with Touch Overlay accessory. With the help of SoC and touch overlay you can also use displays as PCless Touch Monitor by installing HTML based programs.



Motorized Stand

You will be able to make use of our adjustable motorized stands together with our signage products.

Ultra HD Signage Displays

UHM Series

65"/75"/86"

1. HDMI OUT
2. HDMI IN 1
3. HP
4. IR IN
5. HDMI IN 2
6. HDMI IN 3
7. HDMI IN 4
8. OPTICAL SPDIF
9. RJ12-SENSORS
10. RJ12
11. AUDIO IN L/R
12. DSUB9-RS232
13. VGA
14. RJ45
15. USB 2
16. USB 1



KEY SERIES FEATURES

- | | | | |
|-------------------------|-------------------------|---------------------|-------------------------|
| • 4K HDMI @60Hz | • Sensor Compatibility | • OSD Rotation | • Scheduler |
| • Built-in Connectivity | • Improved UI | • Pixel Shifting | • Brightness Scheduling |
| • Built-in WiFi | • Temperature Control | • Signal Failover | • USB Auto-Play |
| • Built-in Bluetooth | • IP Streaming Support | • Input Search | • USB Cloning |
| • Display Control | • Color Calibration(VW) | • Device ID | • USB Operations |
| • SoC CMS | • Playlist Creation | • Display Lifetime | • USB Information |
| • HTML5 API Support | • Professional Design | • Serial Number | • USB Safe Eject |
| • Button Lock | • Sensor Support | • Software Upgrade | • Videowall Settings |
| • RCU Lock | • OPS Support | • Start Url | • Daisychain |
| • Menu Lock | • Touch Support | • OPS Status | • Volume Limit |
| • HDMI Wakeup | • USB Secure Cover | • OPS Power Control | • Startup Volume |
| • HDMI Switching | • Carrying Handles | • Power-up Mode | • Headphone Volume |
| • HDMI CEC | • IR Extender | • Power on Delay | |
| • HDMI Auto-Switch | • Detachable Logo | • Auto-Launch | |
| • Brightness Scheduling | • Detachable Power Cord | • Boot-up Picture | |

UHM Series

Model Name	UHM55UH82/4	UHM65UH82/4	UHM75UH83/4	UHM86SH80B/4
Panel				
Screen Size	55"	65"	75"	86"
Backlight Type	Direct-Type LED	Direct-Type LED	Direct-Type LED	Edge-Type LED
Brightness (typical)	400 cd/m ²	400 cd/m ² tt	400 cd/m ²	410 cd/m ²
Native Resolution	3840 x 2160 (16:9) - UHD	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	1200:1	1200:1
Dynamic Constrast Ratio	40000:1	40000:1	40000:1	41000:1
Panel Life Time (Min.)	30000 Hrs	50000 Hrs	30000 Hrs	30000 Hrs
Response Time (typical)	6 ms	5 ms	8 ms	8 ms
Active Area (H x V)	1210 x 681 mm	1428 mm (H) x 804 mm (V)	1650 x 928 mm	1895 x 1066 mm
Pixel Pitch (H x V)	0.315 x 0.315 mm	0.372 x 0.372 mm	0.429 x 0.429 mm	0.4935 x 0.4935 mm
PPI (pixel per inch)	81	68	59	52
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	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10
Color Value	1.07 B (10-bit)	1.07 B (10-bit)	1.07 B (10-bit)	1.07 B (10-bit)
Screen Treatment	3H	60 Hz	2H	2H
Haze Level	1%	3%	3%	3%
Refresh Rate	60 Hz	60 Hz	60 Hz	60 Hz
Front Type	Ultra Narrow Bezel	Ultra Narrow Bezel	Ultra Narrow Bezel	SNB
Orientation	Horizontal	Horizontal	Horizontal / Vertical	Horizontal / Vertical
Operation Hours	16/7	16/7	16/7	16/7
Area of Usage	Indoor	Indoor	Indoor	Indoor
Mainboard				
Mainboard Model	17MB135VS	17MB135VS	17MB135VS	17MB135VS
Monitor Connectivity				
RGB Input	VGA(DE-15F)	VGA(DE-15F)	VGA(DE-15F)	VGA(DE-15F)
RGB Output	N/A	N/A	N/A	N/A
Video Input	4xHDMI2.0, 2xUSB2.0, USB2.0(Internal)	4xHDMI2.0, 2xUSB2.0, USB2.0(Internal)	4xHDMI2.0, 2xUSB2.0, USB2.0(Internal)	4xHDMI2.0, 2xUSB2.0, USB2.0(Internal)
Video Output	HDMI2.0	HDMI2.0	HDMI2.0	HDMI2.0
Audio Input	Line In L/R	Line In L/R	Line In L/R	Line In L/R
Audio Output	Headphone, Optic SPDIF	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)	RS232(DE-9F), Ethernet(RJ45), Service(RJ12)
External Sensor	RJ12	RJ12	RJ12	RJ12
Mechanical				
Product Dimensions (WxDxH)	1238 x 104 x 712 mm	1459 x 99 x 853 mm	1684 x 100 x 967 mm	1975 x 103 x 1146 mm
Package Dimensions (WxDxH)	1369 x 165 x 874 mm	1607 x 177 x 980 mm	1948 x 210 x 1170 mm	2163 x 318 x 1405 mm
Product Weight	17.05 kg	24.45 kg	37.2 kg	65.8 kg
Package Weight	21.65 kg	31.85 kg	50.2 kg	85.6 kg
Vesa Mounting	400 x 200 mm - M6	400 x 400 mm - M6	600 x 400 mm - M6	600 x 400 mm - M6
Bezel Width	B:14 T:11 L/R:11 mm	B:21 mm T:15 mm L/R:15 mm	B:21 T:16 L/R:16 mm	B:38 T:38 L/R:38 mm
Environmental Conditions				
Operating Temperature	0-40°C	0-40°C	0-40°C	0-40°C
Operating Humidity	10-90%	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	110 VAC - 240 VAC - 50/60 Hz
Power Consumption				
Typical	97 W	74 W	223 W	254 W
Deep Standby	≤0.5 W	≤0.5W	≤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	Open Content Management Support, Scheduler, USB-Auto- play, Auto-Launch, HDMI-CEC, HDMI-Wakeup, Auto-switch on Failover, Panel Lock	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	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, IR Overlay Touch Compliance	OPS Compliance, IR Overlay Touch Compliance	OPS Compliance
Speaker	2 x 8 W	2 x 8 W	2 x 12 W	2 x 12 W
Accessory				
Standard	QSG, Warranty Card, IB, Power Cord, Remote Control, RC Battery, Mounting Kit, Extension Brackets, IR Extender Cable	QSG, Warranty Card, IB, Power Cord, Remote Control, 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	Yes
EMC	Yes	Yes	Yes	Yes
CE	Yes	Yes	Yes	Yes

Professional High Bright Signage Displays

PDH Series

43"/49"/55"

1. HDMI OUT
2. HDMI IN 1
3. HP
4. IR IN
5. HDMI IN 2
6. HDMI IN 3
7. HDMI IN 4
8. OPTICAL SPDIF
9. RJ12-SENSORS
10. RJ12
11. AUDIO IN L/R
12. DSUB9-RS232
13. VGA
14. RJ45
15. USB 2
16. USB 1



KEY SERIES FEATURES

- | | | | |
|-------------------------|-------------------------|---------------------|----------------------|
| • Temperature Control | • HDMI Switching | • Carrying Handles | • Auto-Launch |
| • Brightness Scheduling | • HDMI CEC | • IR Extender | • Boot-up Picture |
| • Sensor Compatibility | • HDMI Auto-Switch | • Button Lock | • Scheduler |
| • Detachable Logo | • Improved UI | • RCU Lock | • USB Auto-Play |
| • Detachable Power Cord | • Color Calibration(VW) | • Menu Lock | • USB Cloning |
| • OSD Rotation | • Professional Design | • Device ID | • USB Operations |
| • Pixel Shifting | • Built-in Connectivity | • Display Lifetime | • USB Information |
| • Signal Failover | • Built-in WiFi | • Serial Number | • USB Safe Eject |
| • Input Search | • Built-in Bluetooth | • Software Upgrade | • Videowall Settings |
| • IP Streaming Support | • Display Control | • Start Url | • Daisychain |
| • Playlist Creation | • Longer Life Span | • OPS Status | • Volume Limit |
| • SoC CMS | • OPS Support | • OPS Power Control | • Startup Volume |
| • HTML5 API Support | • Touch Support | • Power-up Mode | • Headphone Volume |
| • HDMI Wakeup | • USB Secure Cover | • Power on Delay | |

PDH Series

Model Name	PDH43UH82/4	PDH49UH82/4	PDH55UH82/4
Panel			
Screen Size	43"	49	55"
Panel Technology	IPS	IPS	IPS
Backlight Type	Direct-Type LED	Direct-Type LED	Direct-Type LED
Brightness (typical)	700 cd/m ²	700 cd/m ²	700 cd/m ²
Native Resolution	1920 x 1080 (16:9) - FHD	1920 x 1080 (16:9) - FHD	1920 x 1080 (16:9) - FHD
Contrast Ratio (typical)	1000:1	1000:1	1000:1
Dynamic Contrast Ratio	70000:1	70000:1	70000:1
Panel Life Time (Min.)	50000 Hrs	50000 Hrs	50000 Hrs
Response Time (typical)	6 ms	6 ms	6 ms
Active Area (H x V)	941 x 530 mm	1074 x 605 mm	1210 x 681 mm
Pixel Pitch (H x V)	0.4902 x 0.4902 mm	0.5593 x 0.5593 mm	0.630 x 0.630 mm
PPI (pixel per inch)	52	45	40
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
Display Colours	16.7 M (8-bit)	16.7 M (8-bit)	16.7 M (8-bit)
Screen Treatment	3H	3H	3H
Haze Level	1%	1%	1%
Refresh Rate	60 Hz	60 Hz	60 Hz
Front Type	Ultra Narrow Bezel	Ultra Narrow Bezel	Ultra Narrow Bezel
Orientation	Horizontal / Vertical	Horizontal / Vertical	Horizontal / Vertical
Operation Hours	24/7	24/7	24/7
Area of Usage	Indoor	Indoor	Indoor
Mainboard			
Mainboard Model	17MB135VS	17MB135VS	17MB135VS
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, 2xUSB2.0, USB2.0(Internal)	4xHDMI2.0, 2xUSB2.0, USB2.0(Internal)	4xHDMI2.0, 2xUSB2.0, USB2.0(Internal)
Video Output	HDMI2.0	HDMI2.0	HDMI2.0
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)	966 x 106 x 557 mm	1102 x 104 x 635mm	1238 x 104 x 712 mm
Package Dimensions (WxDxH)	1050 x 178 x 718 mm	1215 x 165 x 775mm	1369 x 165 x 874 mm
Product Weight	10.5 kg	12.80 kg	17.1 kg
Package Weight	14 kg	16.80 kg	21.4 kg
Vesa Mounting	200 x 200 mm - M6	200 x 200 mm M6	400 x 200 mm - M6
Bezel Width	B:13 T:9 L/R:10 mm	B:15 T:11 L/R:11 mm	B:14 T:11 L/R:11 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	80 W	95 W	105 W
Deep Standby	≤0.5 W	≤0.5 W	≤0.5 W
Deep Standby			
Main Features	Open Content Management Support, Scheduler, USB-Autoplay, Auto-Launch, HDMI-CEC, HDMI-Wakeup, Auto-switch on Failover, Panel Lock	Open Content Management Support, Scheduler, USB-Autoplay, Auto-Launch, HDMI-CEC, HDMI-Wakeup, Auto-switch on Failover, Panel Lock	Open Content Management Support, Scheduler, USB-Autoplay, Auto-Launch, HDMI-CEC, HDMI-Wakeup, Auto-switch on Failover, Panel Lock
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, IR Overlay Touch Compliance	OPS Compliance, IR Overlay Touch Compliance
Speaker	2 x 8 W	2 x 8 W	2 x 8 W
Accessory			
Standard	QSG, Warranty Card, IB, Power Cord, Remote Control, RC Battery, Mounting Kit, Extension Brackets, IR Extender Cable	QSG, Warranty Card, IB, Power Cord, Remote Control, RC Battery, Mounting Kit, Extension Brackets, IR Extender Cable	QSG, Warranty Card, IB, Power Cord, Remote Control, 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

Professional UHD Signage Displays

PDU Series

75"/86"/98"

1. HDMI OUT
2. HDMI IN 1
3. DP IN
4. DP OUT
5. HP
6. IR IN
7. HDMI IN 2
8. HDMI IN 3
9. HDMI IN 4
10. OPTICAL SPDIF
11. RJ12-SENSORS
12. RJ12
13. AUDIO IN L/R
14. DSUB9-RS232
15. VGA
16. RJ45
17. USB 2
18. USB 1



KEY SERIES FEATURES

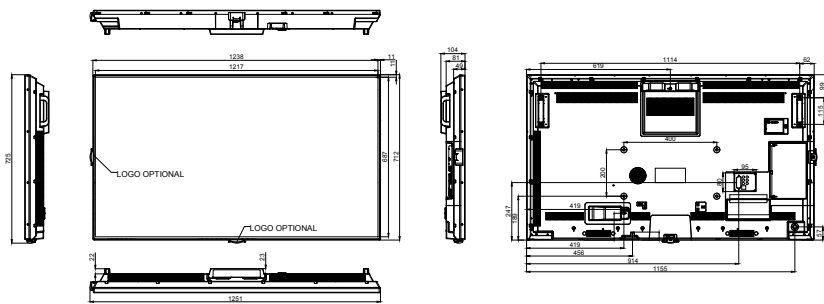
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|-------------------------|--------------------------|-------------------------|----------------------|
| • 4K HDMI @60Hz | • Detachable Power Cord | • Color Calibration(VW) | • Device ID |
| • Display Control | • OSD Rotation | • Professional Design | • Display Lifetime |
| • Scheduler | • Pixel Shifting | • Built-in Connectivity | • Serial Number |
| • USB Auto-Play | • Signal Failover | • Built-in WiFi | • Software Upgrade |
| • USB Cloning | • Input Search | • Built-in Bluetooth | • Start Url |
| • USB Operations | • IP Streaming Support | • Longer Life Span | • OPS Status |
| • USB Information | • Playlist Creation | • OPS Support | • OPS Power Control |
| • USB Safe Eject | • SoC Content Management | • Touch Support | • Power-up Mode |
| • Auto-Launch | • HTML5 API Support | • USB Secure Cover | • Power on Delay |
| • Boot-up Picture | • HDMI Wakeup | • Carrying Handles | • Videowall Settings |
| • Temperature Control | • HDMI Switching | • IR Extender | • Daisychain |
| • Brightness Scheduling | • HDMI CEC | • Button Lock | • Volume Limit |
| • Sensor Compatibility | • HDMI Auto-Switch | • RCU Lock | • Startup Volume |
| • Detachable Logo | • Improved UI | • Menu Lock | • Headphone Volume |

PDU Series

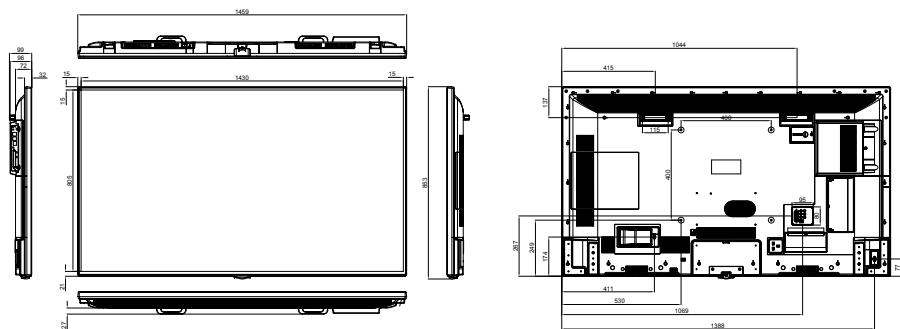
Model Name	PDU65UF82/4	PDU75UF83/4	PDU86SF80B/4	PDU98SF81B/4
Panel				
Screen Size	65"	75"	86"	98"
Panel Technology	IPS	IPS	IPS	SVA
Backlight Type	Direct-Type LED	Direct-Type LED	Edge-Type LED	ELED
Brightness (typical)	400 cd/m ²	400 cd/m ²	500 cd/m ²	500 cd/m ²
Native Resolution	3840 x 2160 (16:9) - UHD	3840 x 2160 (16:9) - UHD	3840 x 2160 (16:9) - UHD	3840 x 2160 (16:9) - UHD
Contrast Ratio (typical)	1200:1	1200:1	1200:1	4000:1
Dynamic Contrast Ratio	40000:1	40000:1	50000:1	50000:1
Panel Life Time (Min.)	50000 Hrs	50000 Hrs	50000 Hrs	50000 Hrs
Response Time (typical)	8 ms	8 ms	8 ms	6 ms
Active Area (H x V)	1428 mm (H) x 804 mm (V)	1650 x 928 mm	1899 x 1069 mm	2158 x 1214 mm
Pixel Pitch (H x V)	0.372 x 0.372 mm	0.429 x 0.429 mm	0.4935 x 0.4935 mm	0.5621 x 0.5621 mm
PPI (pixel per inch)	68	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	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10
Color Value	1.07 B (10-bit)	1.07 B (10-bit)	1.07 B (10-bit)	16.7 M (8-bit)
Screen Treatment	3H	2H	2H	2H
Haze Level	1%	3%	3%	25%
Refresh Rate	60 Hz	60 Hz	74.25 MHz	60 Hz
Front Type	Ultra Narrow Bezel	Ultra Narrow Bezel	SNB	SNB
Orientation	Horizontal / Vertical	Horizontal / Vertical	Horizontal / Vertical	Horizontal / Vertical
Operation Hours	24/7	24/7	24/7	24/7
Area of Usage	Indoor	Indoor	Indoor	Indoor
Mainboard				
Mainboard Model	17MB135VS	17MB120DSR4-DSOPT7	17MB120DSR4-DSOPT7	17MB120DSR4-DSOPT7
Monitor Connectivity				
RGB Input	VGA(DE-15F)	VGA(DE-15F)	VGA(DE-15F)	VGA(DE-15F)
RGB Output	N/A	N/A	N/A	N/A
Video Input	4xHDMI2.0, 1xDPI.2a, 2xUSB2.0, USB2.0(Internal)	4xHDMI2.0, 1xDPI.2a, 2xUSB2.0, USB2.0(Internal)	4xHDMI2.0, 1xDPI.2a, 2xUSB2.0, USB2.0(Internal)	4xHDMI2.0, 1xDPI.2a, 2xUSB2.0, USB2.0(Internal)
Video Output	HDMI2.0, DPI.2a	HDMI2.0, DPI.2a	HDMI2.0, DPI.2a	HDMI2.0, DPI.2a
Audio Input	Line In L/R	Line In L/R	Line In L/R	Line In L/R
Audio Output	Headphone, Optic SPDIF	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)	RS232(DE-9F), Ethernet(RJ45), Service(RJ12)
External Sensor	RJ12	RJ12	RJ12	RJ12
Mechanical				
Product Dimensions (WxDxH)	1459 x 99 x 853 mm	1684 x 100 x 967 mm	1975 x 103 x 1146 mm	2236 x 98 x 1292 mm
Package Dimensions (WxDxH)	1607 x 177 x 980 mm	1948 x 210 x 1170 mm	2163 x 318 x 1405 mm	2423 x 380 x 1563 mm
Product Weight	24.45 kg	37.2 kg	65.8 kg	102.3 kg
Package Weight	31.85 kg	50.2 kg	85.6 kg	126.7 kg
Vesa Mounting	400 x 400 mm - M6	600 x 400 mm - M6	600 x 400 mm - M6	900 x 600 mm
Bezel Width	B:21 mm T:15 mm L/R:15 mm	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	0-40°C
Operating Humidity	10-90%	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	110 VAC - 240 VAC - 50/60 Hz
Power Consumption				
Typical	TBD	223 W	254 W	498 W
Deep Standby	≤0.5W	≤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	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	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, IR Overlay Touch Compliance	OPS Compliance	OPS Compliance
Speaker	2 x 8 W	2 x 12 W	2 x 12 W	2x12W
Accessory				
Standard	QSG, Warranty Card, IB, Power Cord, Remote Control, 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	QSG, IB, Power Cord, Remote Control Unit, RC Battery, Mounting Kit, Extension Brackets, IR Extender Cable
Certification				
Safety	Yes	Yes	Yes	Yes
EMC	Yes	Yes	Yes	Yes
CB	Yes	Yes	Yes	Yes
CE	Yes	Yes	Yes	Yes

UHM Series

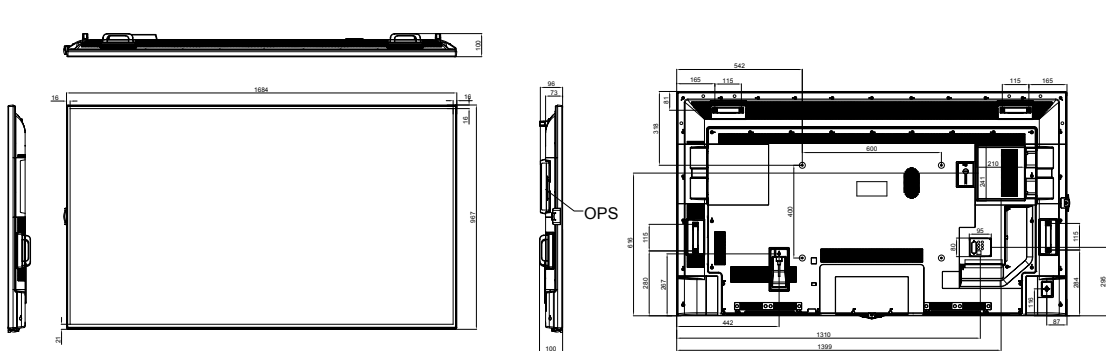
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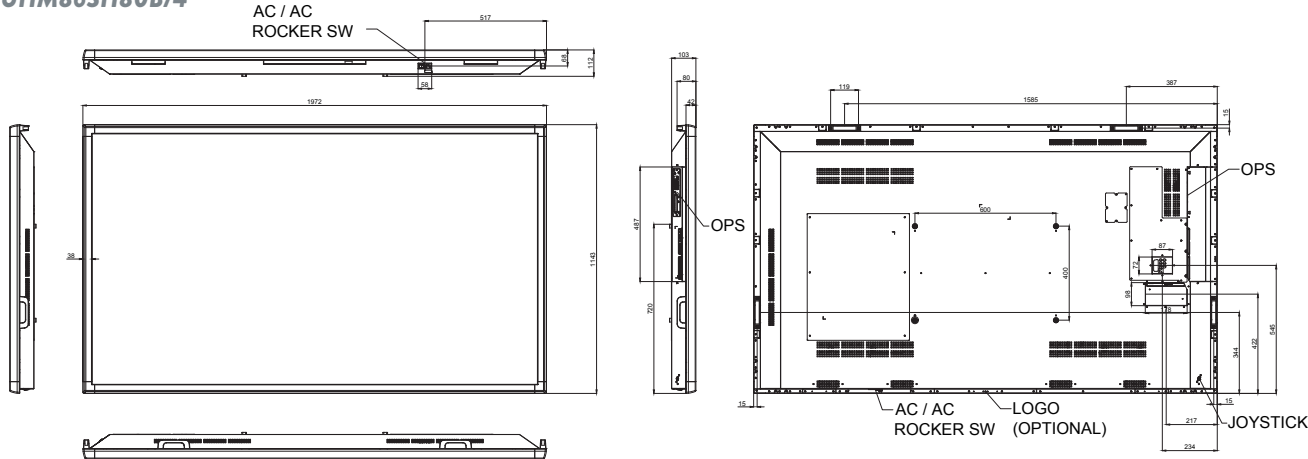
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UHM75UH83/4

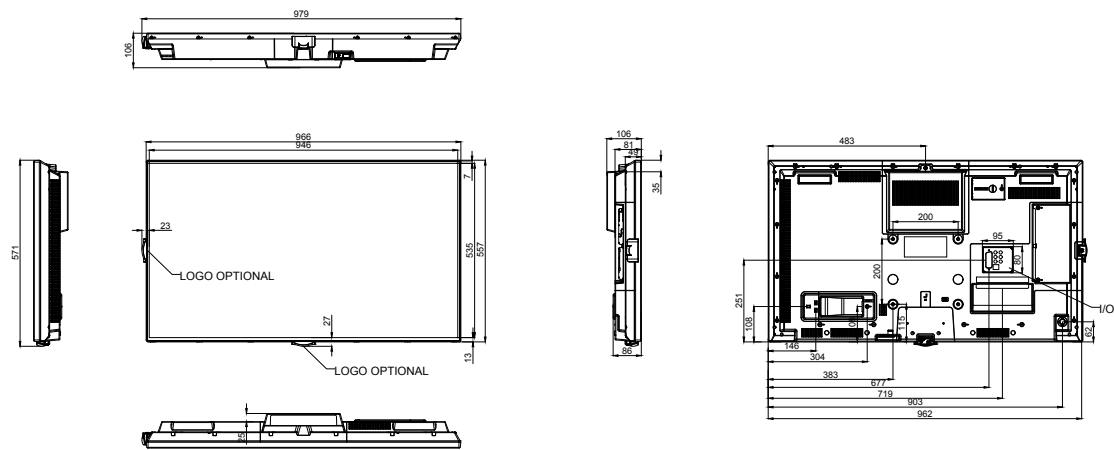


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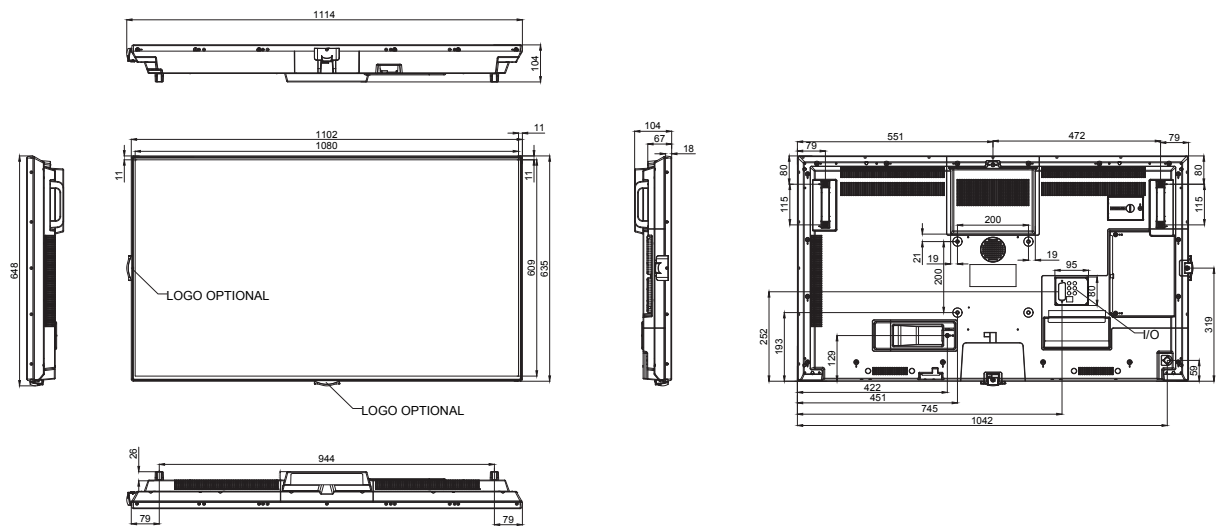


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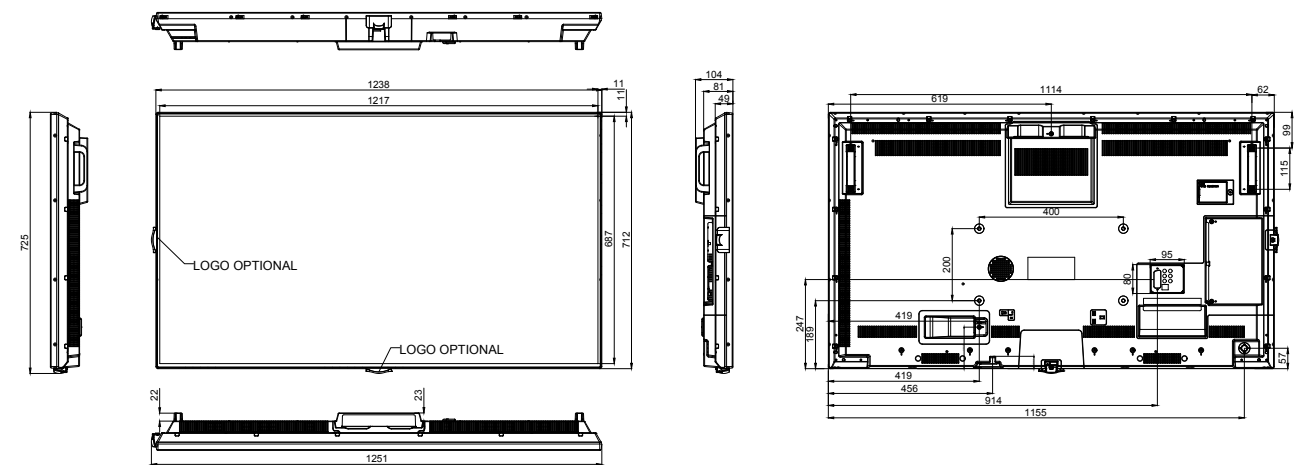
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PDH49UH82/4

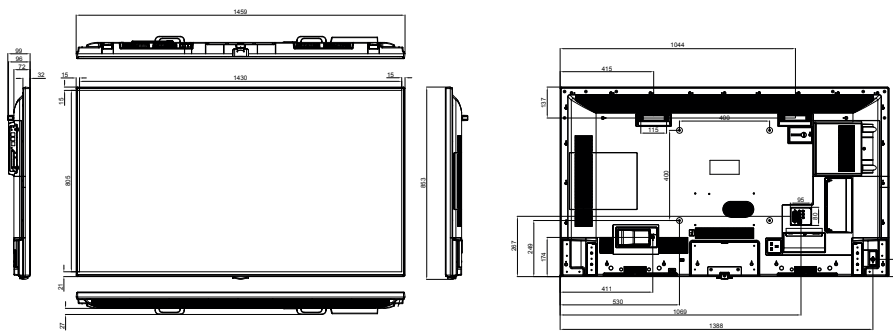


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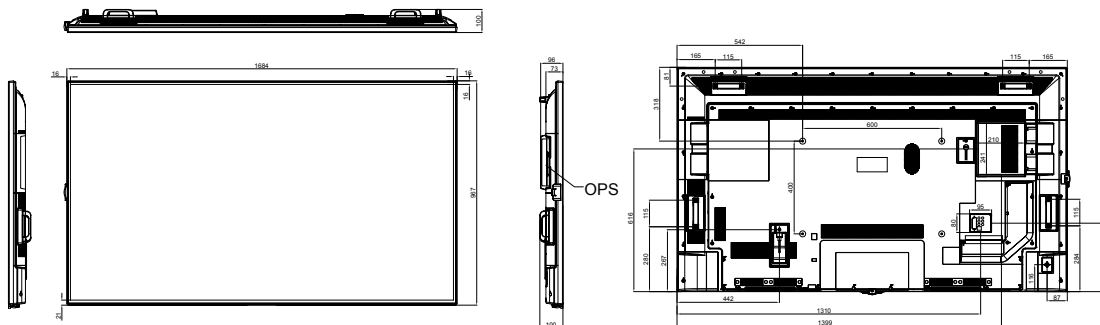


PDU Series

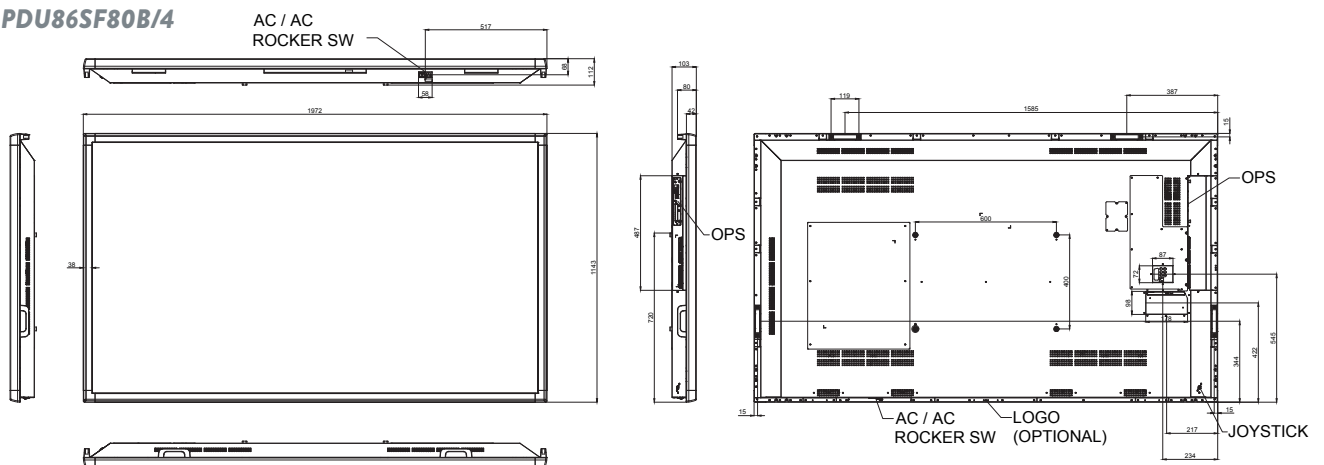
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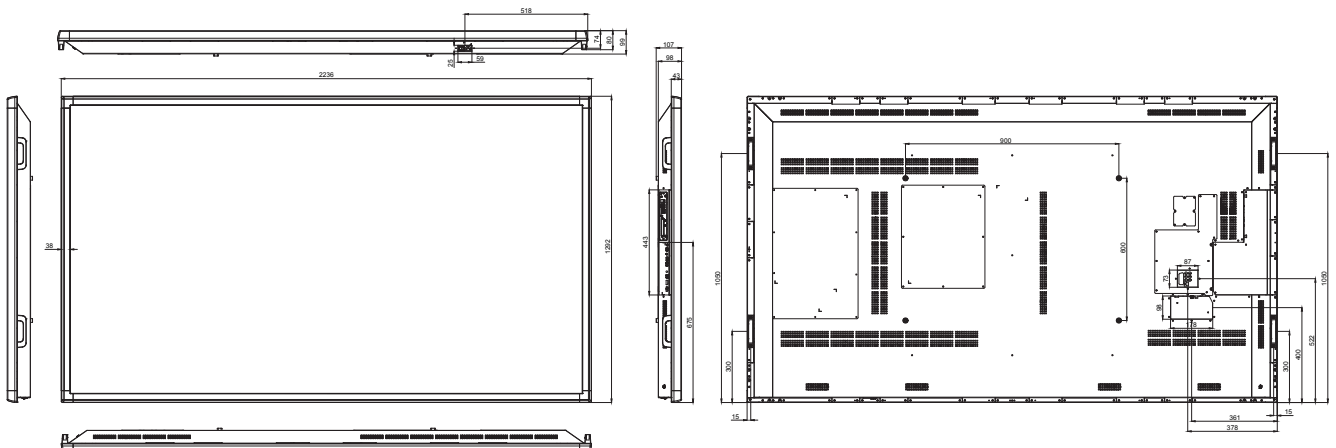
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PDU86SF80B/4



PDU98SF81B/4





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