

xx495 Cabinet STM-PDM-PDH Series Production Presentation



STM,PDM and PDH Series (XX495 Cabinet)

To maximize your user experience, this series offers many digital signage specific features.



STM Series

43" & 49" & 55"



PDM Series

43" & 49" & 55"



PDH Series

43" & 49" & 55"

- ✓ Maximize your user experience, this series offers many digital signage specific features.
- ✓ The SoC-based OPS-compliant displays.
- ✓ 16/7 or 24/7 operation,
- ✓ Overlay Touch options.
- ✓ And also brightness levels of 400 or 700 Nits.



Ports Solutions

SoC Based Solutions



HDMI
Up to 3



Display
Port



VGA



DVI



USB
2.0, 3.0



Audio
Out



RJ45



RS-232



Internal
USB



YPbPr



Audio In



IR
Extender



USB



Microphone



Audio



Wi-fi
Antenna

OPS Modules



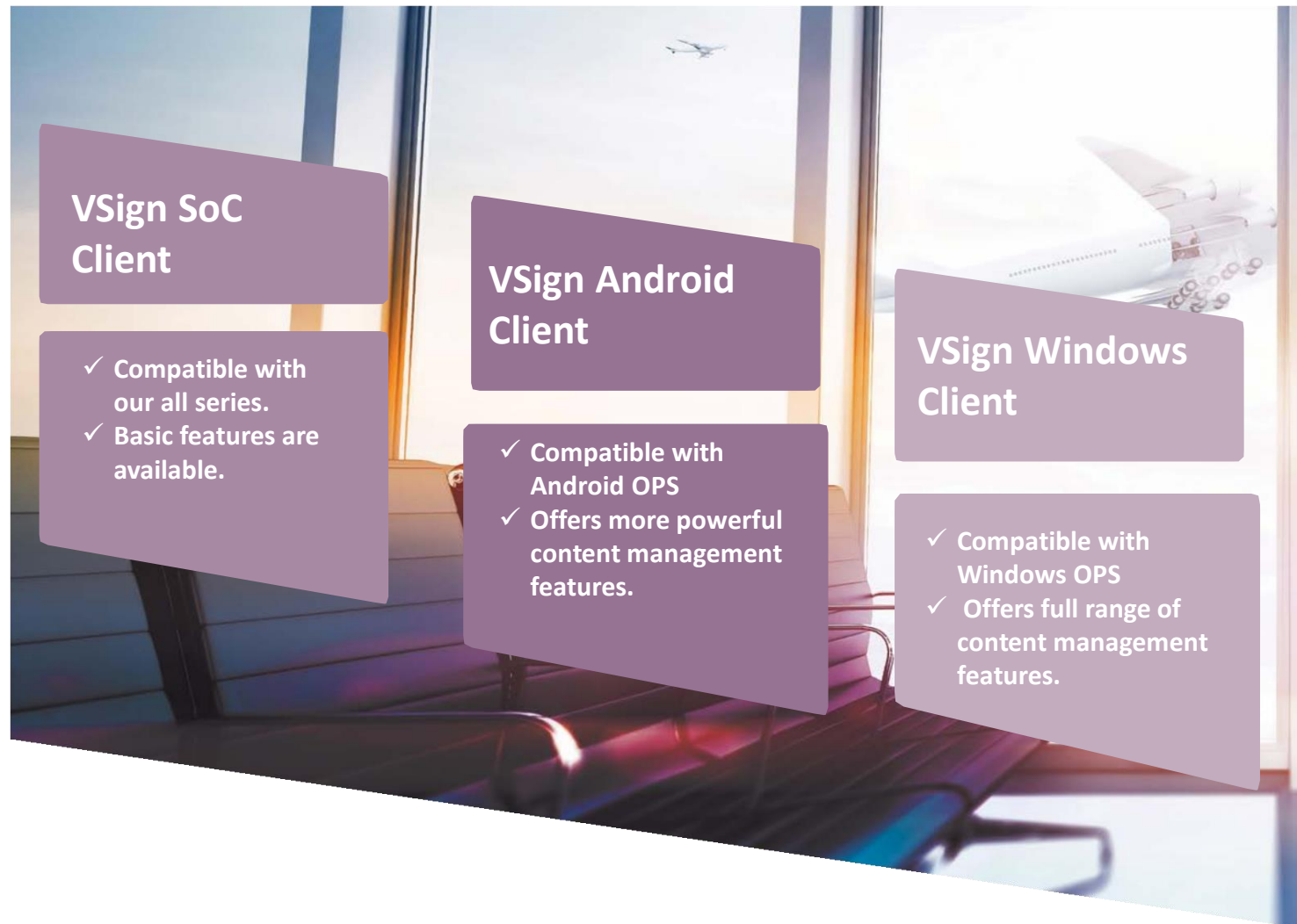
System-On-Chip for Content Management

Designed with quad core SoC technology (System on Chip), these displays can be used as digital signage monitors for both offline and cloud-based managed content.

This means that you can rely on various content management systems to help display your advertising.

System on Chip specs						
Cpu Speed / DMIPS	L2 Cache	DDR Config / Speed	Memory Support	GPU	USB Support	UHD Support
1 Ghz / 4600	512 KB	DDR3-64 bit / 2.13 Ghz	1 x 4 GB	Mali 450 MP4	USB 2.0 / USB 3.0	Yes

Content Management Solutions



VSign SoC Client

- ✓ Compatible with our all series.
- ✓ Basic features are available.

VSign Android Client

- ✓ Compatible with Android OPS
- ✓ Offers more powerful content management features.

VSign Windows Client

- ✓ Compatible with Windows OPS
- ✓ Offers full range of content management features.

Content Management Solutions

Content management solution: Vsign

- ✓ Compatible with Windows, Android or SoC Platform of Vestel Displays.
- ✓ Wide range of multimedia support
- ✓ Incorporate live satellite, cable, camera feed, etc.-
- ✓ Flexible layout choice.
- ✓ Multiple scheduling capabilities
- ✓ Analysis of monitors' efficiency.
- ✓ Reports on proof-of-play.
- ✓ Cloud Hosting or on premise support

Whether you intend to manage content in-house or remotely via a third party service, Vestel offers the ultimate business solution with VSign Software.

A scalable solution that fits a whole host of different requirements, VSign ensures that you can control many screens, using a wide range of features.

Supported platforms include SoC, Windows, and Android OPS

Content Management Solutions

Web-based solution: Android Monitor

- ✓ Select multiple webpages' links for your android application (APK)
- ✓ Split your screens with different URLs.
- ✓ Schedule your content for different intervals.
- ✓ Run your APK to display content on Web.
- ✓ Control your displays remotely
- ✓ Reports for proof-of-play information.

We have also created an Android application for our plugin modules (OPS) which runs on Android OS.

Our OPS powered monitors can now work as web screens, having the capacity to display information from multiple Websites.

The supported platform is Android OPS.

Specifications

External Device Connections



You may want to connect your teleconference system, screen sharing system, set-top box or external PCs via an HDMI port. To this end, our monitors offer HDMI CEC (Consumer Electronics Control) and HDMI Hotplug capabilities



Touch Support

Our high clarity Infrared (IR) touch screens are compatible with this series. Designed for user-friendliness, these interactive smart displays can be used with gloved or wet hands. They can also offer longer-lasting operation, requiring no pressure to be applied, in order to make them touch-responsive. Furthermore, the design makes it easy for anyone to overlay the touch screen on the display.



OPS Support

All our products in this series offer compliance with OPS (Open Pluggable Standard). Offering enhanced processing power, OPS gives you the freedom to choose either Windows or Android – whichever operating system best suits your specific application.

Specifications



USB Auto-Play

To make it easy to display any media on screen, the monitors' SoC software offers the option of a USB Auto-play feature, which can automatically show all your photos and video content.



Built for Connectivity

This series features wired and wireless connectivity such as embedded WiFi and Bluetooth. Due to their wireless capabilities, the displays can easily gather content without any external device. Moreover, their WiFi connection enables you to use **Miracast** for screen sharing.



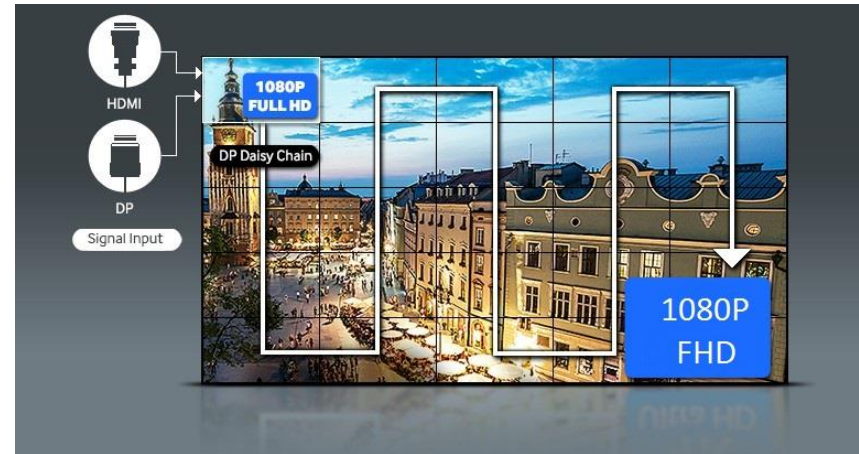
Subtle Design

Making your advertising the focus of attention, these displays are designed with minimalist, ultra-narrow bezels – the slimmest in our range.

Specifications

Daisy Chain

Mirror content across multiple displays, using a single connection between every two devices. Offering both DisplayPort or HDMI input and output, these daisy-chainable monitors can be set up as a video wall.



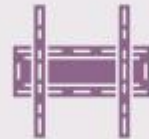
Components



Quick start guide



Instruction manual



Wall mounting kit



IR extender



Batteries for remote controllers



Remote controller

Controls Connections



Open Platform Support

We have made it easy to give any **HTML5-based** application link to the display within the SoC software. It's because of this that the display can start with any given link. Customers can choose to use either an offline or an online application.

RS-232



Display Control

With a LAN connection, you can use RS232 commands to update your displays from anywhere and at any time. You can change/set the volume, turn the monitor on/off or set a schedule for content display. Using RS232 control, you can also set a webpage for display or create a wide range of commands in real-time.



RTC Option

If the electricity is cut off , Digital Signage Monitor will keep on Real Time Clock
With this feature, you'll never have to worry about the status of your displays again

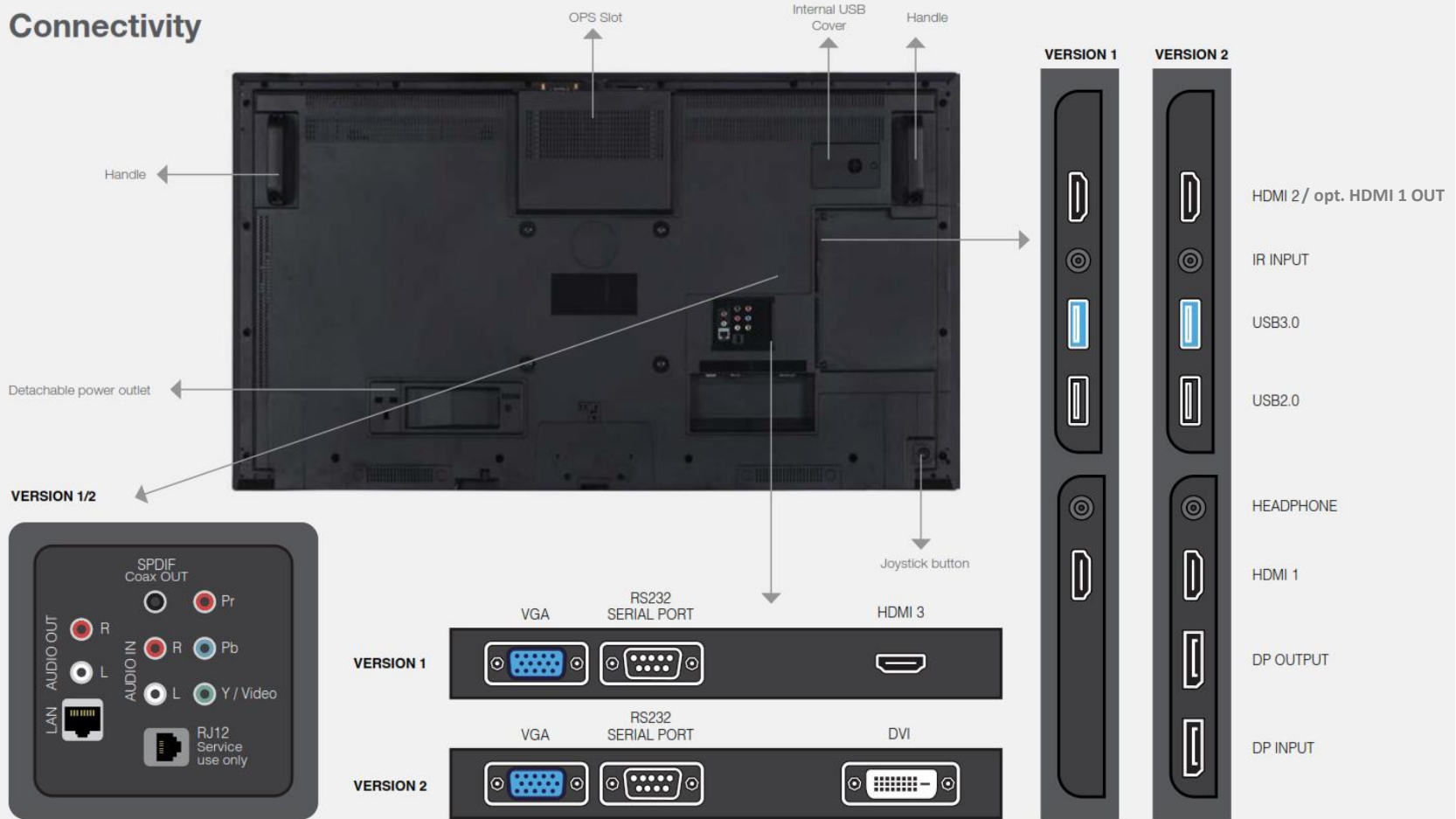
Usage of the Start URL

- ✓ Create a file named “starturl.txt” in the root directory of any USB storage device. Make sure that the extension is “txt”.
- ✓ Open this file with a text editor software such as Notepad.
- ✓ Write the desired URL (for example, www.starturl.com) in the file and save changes.
- ✓ Connect the USB storage device to the Display. Highlight USB Operations option in the Signage Settings>USB menu and press OK.
- ✓ Switch the Display off and then switch it on again.

Note: You can check if the Start URL have the desired link from the Signage Settings>Link Options menu.

Connectivity

Connectivity



STM Series Specifications


HDMI


	STM43UG02	STM49UG02	STM55UG02
	Panel		
Mainboard Model	System-On-Chip Model: 17MB120DSR4	System-On-Chip Model: 17MB120DSR4	System-On-Chip Model: 17MB120DSR4
Size	43"	49"	55"
Backlight Type	DLED	DLED	DLED
Panel Technology	IPS	IPS	IPS
Panel Type	16/7 Panel	16/7 Panel	16/7 Panel
Front Type	Ultra Narrow Bezel	Ultra Narrow Bezel	Ultra Narrow Bezel
Orientation	Horizontal	Horizontal	Horizontal
Resolution	1920 x 1080 (16:9) - FHD	1920 x 1080 (16:9) - FHD	1920 x 1080 (16:9) - FHD
Active Area	941 mm(H) x 530 mm (V)	1073.8 mm (H) x 604 mm (V)	1210 mm (H) x 681 mm (V)
Brightness (Typ.)	400 cd/m2	400 cd/m2	400 cd/m2
Contrast Ratio (Typ.)	1200	1200	1200
Panel life time (Min. / Typ.)	30000 / 50000 Hr	30000 / 50000 Hr	30000 / 50000 Hr
Viewing Angle	178°	178°	178°
Response Time	8 ms	6 ms	9 ms
Color Value	8 Bit, 16.7 M Colors	8 Bit, 16.7 M Colors	8 Bit, 16.7 M Colors
Areas of Usage	Indoor	Indoor	Indoor
	Monitor Connectivity		
RGB Input	Dsub 15 PIN VGA CON., YPbPr	Dsub 15 PIN VGA CON., YPbPr	Dsub 15 PIN VGA CON., YPbPr
RGB Output	N/A	N/A	N/A
VIDEO Input	2xHDMI2.0, DP1.2a, DVI, 1xUSB3.0, 1xUSB2.0	2xHDMI2.0, DP1.2a, DVI, 1xUSB3.0, 1xUSB2.0	2xHDMI2.0, DP1.2a, DVI, 1xUSB3.0, 1xUSB2.0
VIDEO Output	DP1.2a	DP1.2a	DP1.2a
AUDIO Input	LINE IN JACK	LINE IN JACK	LINE IN JACK
AUDIO Output	LINE OUT JACK	LINE OUT JACK	LINE OUT JACK
External Control	RS232(DSUB 9P), RJ12, Ethernet	RS232(DSUB 9P), RJ12, Ethernet	RS232(DSUB 9P), RJ12, Ethernet
External Sensor	N/A	N/A	N/A
	Mechanical Features		
Size	966 mm(L) x 557 mm(H) x 106 mm(D)	1102mm (L) x 635mm (H) x 104mm (D)	1238mm (L) x 712mm (H) x 104mm (D)
Shipping Size	1050 mm(L) x 178 mm(W) x 718 mm(H)	1215mm (L) x 775mm (H) x 165mm (D)	1369mm (L) x 874mm (H) x 165mm (D)
Weight	10.5 KG	13.5 KG	17.5 KG
Shipping Weight	14.5 KG	17.5 KG	22 KG
Vesa Mounting Size	200 mm(H)x 200 mm(V) M6	200 mm(H)x 200 mm(V) M6	400 mm(H)x 200 mm(V) M6
Bezel Width(Bottom-Side-Top)	13 mm / 10 mm / 9 mm	15mm / 11 mm / 11 mm	14 mm / 11 mm / 11 mm
	Working Conditions		
Temperature Conditions	+40°C / 0°C	+40°C / 0°C	+40°C / 0°C
Humidity	90%	90%	90%
	Features		
Main Features	Open Content Management Support, Scheduler, USB-Autoplay, Auto-Launch, HDMI-CEC, HD-MI-Hotplug, Auto-switch on Failover, Panel Lock	Open Content Management Support, Scheduler, USB-Autoplay, Auto-Launch, HDMI-CEC, HD-MI-Hotplug, Auto-switch on Failover, Panel Lock	Open Content Management Support, Scheduler, USB-Autoplay, Auto-Launch, HDMI-CEC, HD-MI-Hotplug, 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
	Power		
Power Supply	110 VAC - 240 VAC	110 VAC - 240 VAC	110 VAC - 240 VAC
Power Consumption(Off)	≤0.5W	≤0.5W	≤0.5W
Power Consumption(Active-StandBy)	14 W	14 W	14 W
Power Consumption(On)	44 W	50 W	54 W


USB 3.0


PDM Series Specifications


HDMI™


	PDM43UG12	PDM49UG12	PDM55UG12
	Panel		
Mainboard Model	System-On-Chip Model: 17MB120DSR4	System-On-Chip Model: 17MB120DSR4	System-On-Chip Model: 17MB120DSR4
Size	43"	49"	55"
Backlight Type	DLED	DLED	DLED
Panel Technology	IPS	IPS	IPS
Panel Type	24/7 PID Panel	24/7 PID Panel	24/7 PID Panel
Front Type	Ultra Narrow Bezel	Ultra Narrow Bezel	Ultra Narrow Bezel
Orientation	Horizontal & Vertical	Horizontal & Vertical	Horizontal & Vertical
Resolution	1920 x 1080 (16:9) - FHD	1920 x 1080 (16:9) - FHD	1920 x 1080 (16:9) - FHD
Active Area	941 mm(H) x 530 mm (V)	1073.8 mm (H) x 604 mm (V)	1210 mm (H) x 681 mm (V)
Brightness (Typ.)	400 cd/m2	400 cd/m2	400 cd/m2
Contrast Ratio (Typ.)	1200	1200	1200
Panel life time (Min. / Typ.)	30000 / 50000 Hr	30000 / 50000 Hr	30000 / 50000 Hr
Viewing Angle	178°	178°	178°
Response Time	8 ms	6 ms	9 ms
Color Value	8 Bit, 16.7 M Colors	8 Bit, 16.7 M Colors	8 Bit, 16.7 M Colors
Areas of Usage	Indoor	Indoor	Indoor
	Monitor Connectivity		
RGB Input	Dsub 15 PIN VGA CON., YPbPr	Dsub 15 PIN VGA CON., YPbPr	Dsub 15 PIN VGA CON., YPbPr
RGB Output	N/A	N/A	N/A
VIDEO Input	2xHDMI2.0, DP1.2a, DVI, 1xUSB3.0, 1xUSB2.0	2xHDMI2.0, DP1.2a, DVI, 1xUSB3.0, 1xUSB2.0	2xHDMI2.0, DP1.2a, DVI, 1xUSB3.0, 1xUSB2.0
VIDEO Output	DP1.2a	DP1.2a	DP1.2a
AUDIO Input	LINE IN JACK	LINE IN JACK	LINE IN JACK
AUDIO Output	LINE OUT JACK	LINE OUT JACK	LINE OUT JACK
External Control	RS232(DSUB 9P), RJ12, Ethernet	RS232(DSUB 9P), RJ12, Ethernet	RS232(DSUB 9P), RJ12, Ethernet
External Sensor	N/A	N/A	N/A
	Mechanical Features		
Size	966 mm(L) x 557 mm(H) x 106 mm(D)	1102mm (L) x 635mm (H) x 104mm (D)	1238mm (L) x 712mm (H) x 104mm (D)
Shipping Size	1050 mm(L) x 178 mm(W) x 718 mm(H)	1215mm (L) x 775mm (H) x 165mm (D)	1369mm (L) x 874mm (H) x 165mm (D)
Weight	10.5 KG	13.5 KG	17.5 KG
Shipping Weight	14.5 KG	17.5 KG	22 KG
Vesa Mounting Size	200 mm(H)x 200 mm(V) M6	200 mm(H)x 200 mm(V) M6	400 mm(H)x 200 mm(V) M6
Bezel Width(Bottom-Side-Top)	13 mm / 10 mm / 9 mm	15mm / 11 mm / 11 mm	14 mm / 11 mm / 11 mm
	Working Conditions		
Temperature Conditions	+40°C / 0°C	+40°C / 0°C	+40°C / 0°C
Humidity	90%	90%	90%
	Features		
Main Features	Open Content Management Support, Scheduler, USB-Autoplay, Auto-Launch, HDMI-CEC, HDMI-Hotplug, Auto-switch on Failover, Panel Lock	Open Content Management Support, Scheduler, USB-Autoplay, Auto-Launch, HDMI-CEC, HDMI-Hotplug, Auto-switch on Failover, Panel Lock	Open Content Management Support, Scheduler, USB-Autoplay, Auto-Launch, HDMI-CEC, HDMI-Hotplug, 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
	Power		
Power Supply	110 VAC - 240 VAC	110 VAC - 240 VAC	110 VAC - 240 VAC
Power Consumption(Off)	≤0.5W	≤0.5W	≤0.5W
Power Consumption(Active-StandBy)	14 W	14 W	14 W
Power Consumption(On)	44 W	50 W	54 W


USB 3.0


PDH Series Specifications


HDMI™


	PDH43UG12	PDH49UG12	PDH55UG12
	Panel		
Mainboard Model	System-On-Chip Model: 17MB120DSR4	System-On-Chip Model: 17MB120DSR4	System-On-Chip Model: 17MB120DSR4
Size	43"	49"	55"
Backlight Type	DLED	DLED	DLED
Panel Technology	IPS	IPS	IPS
Panel Type	24/7 PID Panel	24/7 PID Panel	24/7 PID Panel
Front Type	Ultra Narrow Bezel	Ultra Narrow Bezel	Ultra Narrow Bezel
Orientation	Horizontal & Vertical	Horizontal & Vertical	Horizontal & Vertical
Resolution	1920 x 1080 (16:9) - FHD	1920 x 1080 (16:9) - FHD	1920 x 1080 (16:9) - FHD
Active Area	941 mm(H) x 530 mm (V)	1073.8 mm (H) x 604 mm (V)	1210 mm (H) x 681 mm (V)
Brightness (Typ.)	700 cd/m2	700 cd/m2	700 cd/m2
Contrast Ratio (Typ.)	1200	1200	1200
Panel life time (Min. / Typ.)	30000 / 50000 Hr	30000 / 50000 Hr	30000 / 50000 Hr
Viewing Angle	178°	178°	178°
Response Time	8 ms	6 ms	9 ms
Color Value	8 Bit, 16.7 M Colors	8 Bit, 16.7 M Colors	8 Bit, 16.7 M Colors
Areas of Usage	Indoor	Indoor	Indoor
	Monitor Connectivity		
RGB Input	Dsub 15 PIN VGA CON., YPbPr	Dsub 15 PIN VGA CON., YPbPr	Dsub 15 PIN VGA CON., YPbPr
RGB Output	N/A	N/A	N/A
VIDEO Input	2xHDMI2.0, DP1.2a, DVI, 1xUSB3.0, 1xUSB2.0	2xHDMI2.0, DP1.2a, DVI, 1xUSB3.0, 1xUSB2.0	2xHDMI2.0, DP1.2a, DVI, 1xUSB3.0, 1xUSB2.0
VIDEO Output	DP1.2a	DP1.2a	DP1.2a
AUDIO Input	LINE IN JACK	LINE IN JACK	LINE IN JACK
AUDIO Output	LINE OUT JACK	LINE OUT JACK	LINE OUT JACK
External Control	RS232(DSUB 9P), RJ12, Ethernet	RS232(DSUB 9P), RJ12, Ethernet	RS232(DSUB 9P), RJ12, Ethernet
External Sensor	N/A	N/A	N/A
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	Features		
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USB 3.0


THANK YOU

Vestel Application Engineering Department

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