

VESTEL



Digital Signage
2016

Vestel Digital Signage





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Product Category	Available Sizes	Bezel Size	Resolution	OPS Optional	Touch Option	Portrait Mode	Embedded Media Player
Smart Signage ST Series	43,49,55,65	UNB*	FHD	-	-	-	✓
	43,49,55,65		UHD				
Commercial CD Series	32,40,50,65	SNB*	FHD	✓	✓	✓	-
Professional PD Series	43,49,55	UNB	FHD	✓	✓	✓	✓
	42,49,55						
Ultra HD 4K UH Series	43,49,55	UNB	UHD	✓	✓	-	✓
	65	SNB					
	84	VNB					
Video Wall VDW Series	49,55	UNB	FHD	-	-	-	✓
	55						
Totem TO Series	65	**	FHD	✓	-	-	-
Interactive Flat Panel Display IFPD Series	65	**	FHD	✓	built-in	-	-
	75		FHD				
	84		UHD				

* For 65" bezel size is SNB ** Special bezel

Monitor Based Solutions



HDMI x 2



VGA



Audio



RS-232

SoC Based Solutions



HDMI x 3



Display port



VGA



DVI



USB



Audio



RJ45



RS-232

OPS Modules



USB



Microphone



Audio



Wi-fi Antenna

B2B
Displays

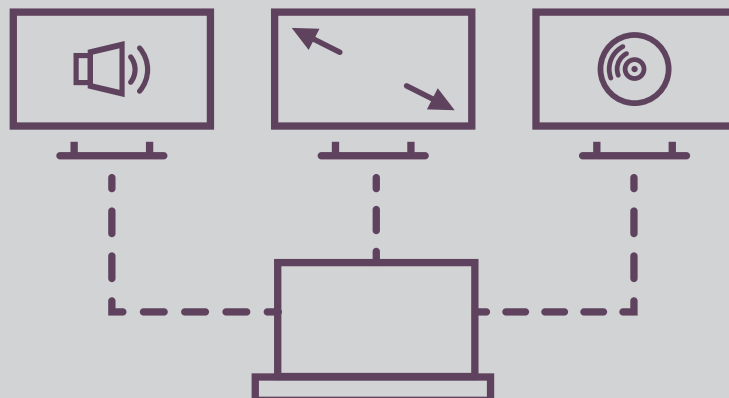
Vestel Signage Solutions

Vestel offers an expansive variety of cost-effective products and customized solutions, all of which can deliver exceptional value and quality. As a hardware manufacturer, we have added suitable software, which is easy to use and to configure.



Display Management

Giving you more freedom and control, Vestel's Signage products are extremely user-friendly, enabling you to schedule content remotely via RS232 port, or via an Ethernet connection.



Content+Display Management

To make your life even easier, we have merged display management with our content management solution. With this integrated management option, you can fulfil all your digital signage requirements.



Display Management

- Contrast
- Brightness
- Colour
- Sharpness
- Volume
- Mute
- Settings
- Channel edit
- Source select
- Freeze
- Favourite Channel
- Position edit
- And many more...

Content+Display Management

- Layout design
- Campaign management
- Media support
- Scheduling
- Control multiple screens at once
- And many more...
- Plus direct device management capabilities

B2B
Displays



Content Management

Signage Editor Software

Our basic and most compact software is the Signage Editor. Suitable for small businesses, it provides a variety of templates with basic layouts and scheduling capabilities, so that you can broadcast and publish a good range of media via USB.

Android Signage Software

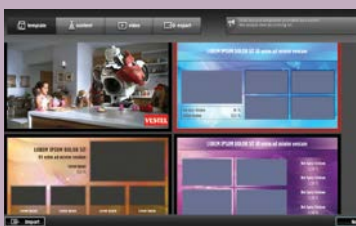
We have also created an Android application for our plugin modules (OPS) which runs on Android OS. Our OPS powered monitors can now work as web screens, having the capacity to display information from multiple Websites.

VSign Software

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.



Signage Editor Software



- Create your signage screen on a computer
- Use Different Templates
- Add/Edit multiple content
- Enrich your screens with videos
- Export to USB flash drive
- Play your digital signage displays with your USB.

Android Signage Software



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

VSign Software



- 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

B2B
Displays



Compact Version

- Couple of steps to configure
- Suitable for up to 10 displays.
- Single user management
- Predefined templates, layouts
- Basic scheduling
- Basic reporting
- Offline mode

Professional Version

- Suitable for 100s range of displays.
- Flexible layout creation
- Complex scheduling
- Multiple user management
- User grouping
- Display grouping
- Different predefined reporting
- Network monitoring

Premium Version

- Audience Measurement
- Complex Campaign Management
- Multiple Channel Access
- Customized Reports
- Connect from anywhere
- Collect measurable impact.

VSign Software

B2B
Displays



Basic Features



Web-Based Service

With our fully web-based signage solution, you can access your management platform from anywhere and at any time. You can either implement the solution using your own servers or through those of a third party content management partner.



Media Support

We support most of the media that you're likely to use and in a wide range of formats. With Vestel's solution, you can access, display and run everything from images, videos and audio documents to RSS feeds, web pages and powerpoint files.



Multiple customized screens

Create and manage as many customized template designs as you like, assigning different content and scheduling times for each one of them.



Scheduling capability

Schedule specific content for a single screen or a larger campaign for multiple displays. You even have the option of priority scheduling for any time-sensitive messaging.



User groups

Manage your signage content more effectively and securely by creating different groups of users, each with its own permission levels for creating and scheduling your media.



Compatibility

Our system is compatible with multiple platforms, including Android, Windows and Linux and the System-on-Chips in our own monitors.



Smart Signage **ST Series**

Designed with SoC technology as well as high resolution alternatives for Full HD and Ultra HD, ST Series can fulfil most of your digital signage requirements without the need for any plugin modules. With this series, you can enjoy a variety of embedded signage applications thanks to our SoC based solution.



Everything in One Box

Our signage is quick and easy to set up as an information screen.

A Turnkey SoC Based Cost Efficient Solution

Our cost-effective displays can be powered by SoC, giving you more speed for your content displays.



Edge Lit Technology

Designed with edge-lit LED technology, our ST line offers FHD or UHD resolution.



Display Capabilities

Our products can display live TV broadcasts at the same time as digital signage content.

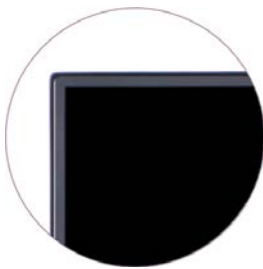
	ST-4301F	ST-4901F	ST-5501F	ST-6501F	ST-4301U	ST-4901U	ST-5501U
Panel							
H-Freq	67.5 KHz	67.5 KHz	67.5 KHz	67.5 KHz	135 KHz	135 KHz	135 KHz
Max. Pixel Freq.	74.25 MHz	74.25 MHz	74.25 MHz	74.25 MHz	78 MHz	78 MHz	78 MHz
V-Freq	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 KHz	60 Hz
Size	43"	49"	55"	65"	43"	49"	55"
Backlight Type	EDGE TYPE LED	EDGE TYPE LED	EDGE TYPE LED	EDGE TYPE LED	EDGE TYPE LED	EDGE TYPE LED	EDGE TYPE LED
Panel Technology	IPS	IPS	IPS	IPS	IPS	IPS	IPS
Other Technology(Dimming,wide color gamut,vs.,)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Panel Type	7/16 TV Panel	7/16 TV Panel	7/16 TV Panel	7/16 TV Panel	7/16 TV Panel	7/16 TV Panel	7/16 TV Panel
Front Type	Ultra Narrow Bezel	Ultra Narrow Bezel	Ultra Narrow Bezel	Super Narrow Bezel	Ultra Narrow Bezel	Ultra Narrow Bezel	Ultra Narrow Bezel
Orientation	H-V	H-V	H-V	H-V	H-V	H-V	H-V
Resolution	1920 x 1080 (16:9) - FHD	1920 x 1080 (16:9) - FHD	1920 x 1080 (16:9) - FHD	1920 x 1080 (16:9) - FHD	3840 x 2160 (16:9) - UHD	3840 x 2160 (16:9) - UHD	3840 x 2160 (16:9) - UHD
Active Area	941.184 mm(H) x 529.416mm (V)	1085.5mm (H) x 617.7mm (V)	1209.6mm (H) X 680.4mm (V)	1428.48mm (H) X 803.52mm (V)	941.184mm (H) x 529.416mm (V)	1085.5mm (H) x 617.7mm (V)	1209.6mm (H) x 680.4625 (V)
Brightness	350 cd/m2	350 cd/m2	350 cd/m2	350 cd/m2	350 cd/m2	350 cd/m2	350 cd/m2
Contrast Ratio	1200:1	1200:1	1200:1	4000:1	1200:1	1200:1	1200:1
Panel life time (Average)	30000 Hr	30000 Hr	30000 Hr	30000 Hr	30.000 Hr	30.000 Hr	30.000 Hr
Viewing Angle	89°	89°	89°	89°	89°	89°	89°
Response Time	6 ms	6 ms	6 ms	8 ms	6 ms	6 ms	6 ms
Color Value	8 Bit, 16.7 M Colors	8 Bit, 16.7 M Colors	8 Bit, 16.7 M Colors	10 Bit, 10.7 B Colors	10bit(D), 1.07Billion colors	10bit(D), 1.07Billion colors	10bit(D), 1.07Billion colors
Areas of Usage	Indoor	Indoor	Indoor	Indoor	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	Dsub 15 PIN VGA CON., YPbPr	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	N/A	N/A	N/A	N/A
VIDEO Input	HDMI2.0, DP1.2a, DVI, 1xUSB3.0, 1xUSB2.0, DVB_T/ T2/S/S2/C/Analog	HDMI2.0, DP1.2a, DVI, 1xUSB3.0, 1xUSB2.0, DVB_T/ T2/S/S2/C/Analog	HDMI2.0, DP1.2a, DVI, 1xUSB3.0, 1xUSB2.0, DVB_T/ T2/S/S2/C/Analog	HDMI2.0, DP1.2a, DVI, 1xUSB3.0, 1xUSB2.0, DVB_T/ T2/S/S2/C/Analog	HDMI2.0, DP1.2a, DVI, 1xUSB3.0, 1xUSB2.0, DVB_T/ T2/S/S2/C/Analog	HDMI2.0, DP1.2a, DVI, 1xUSB3.0, 1xUSB2.0, DVB_T/ T2/S/S2/C/Analog	HDMI2.0, DP1.2a, DVI, 1xUSB3.0, 1xUSB2.0, DVB_T/ T2/S/S2/C/Analog
VIDEO Output	DP1.2a	DP1.2a	DP1.2a	DP1.2a	DP1.2a	DP1.2a	DP1.2a
AUDIO Input	LINE IN JACK	LINE IN JACK	LINE IN JACK	LINE IN JACK	LINE IN JACK	LINE IN JACK	LINE IN JACK
AUDIO Output	LINE OUT JACK	LINE OUT JACK	LINE OUT JACK	LINE OUT JACK	LINE OUT JACK	LINE OUT JACK	LINE OUT JACK
External Control	RS232(DSUB 9P) or RJ12,Ethernet	RS232(DSUB 9P) or RJ12,Ethernet	RS232(DSUB 9P) or RJ12,Ethernet	RS232(DSUB 9P) or RJ12,Ethernet	RS232(DSUB 9P) or RJ12,Ethernet	RS232(DSUB 9P) or RJ12,Ethernet	RS232(DSUB 9P) or RJ12,Ethernet
External Sensor	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OPS Module Option	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mechanical Features							
Size	966 mm(L) x 557 mm(H) x 66 mm(D)	1099 mm(L) x 637 mm(H) x 64 mm(D)	1238 mm(L) x 719 mm(H) x 65 mm(D)	1460 mm(L) x 838 mm(H) x 48 mm(D)	966 mm(L) x 557 mm(H) x 66 mm(D)	1099 mm(L) x 637 mm(H) x 64 mm(D)	1238 mm(L) x 719 mm(H) x 65 mm(D)
Shipping Size	1085 mm(L) x 135 mm(W) x 775 mm(H)	1195 mm(L) x 145 mm(W) x 775 mm(H)	1369 mm(L) x 145 mm(W) x 874 mm(H)	1620 mm(L) x 165 mm(W) x 1006 mm(H)	1085 mm(L) x 135 mm(W) x 775 mm(H)	1195 mm(L) x 145 mm(W) x 775 mm(H)	1369 mm(L) x 145 mm(W) x 874 mm(H)
Weight	13 KG	15.9 KG	19.3 KG	36.5 Kg	13 KG	15.9 KG	19.3 KG
Shipping Weight	14.5 KG	17.9 KG	22.3 KG	39.5 Kg	14.5 KG	17.9 KG	22.3 KG
Vesa Mounting Size	200 mm(H)x 200 mm(V)	200 mm(H)x 200 mm(V)	400 mm(H)x 400 mm(V)	400 mm(H)x 400 mm(V)	200 mm(H)x 200 mm(V)	200 mm(H)x 200 mm(V)	400 mm(H)x 400 mm(V)
Bezel Width	7.7mm / 11.3mm	7.8mm / 11.4mm	8.9mm / 12.2 mm	12.4mm / 16mm	7.7mm / 11.3mm	7.8mm / 11.4mm	8.9mm / 12.2 mm
Working Conditions							
Temperature Conditions	+40°C / 0°C	+40°C / 0°C	+40°C / 0°C	+40°C / 0°C	+40°C / 0°C	+40°C / 0°C	+40°C / 0°C
Humidity	%90	%90	%90	%90	%90	%90	%90
General Features							
Keyboard	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Speaker	2 x 10 W	2 x 10 W	2 x 10 W	2 x 8 W	2 x 10 W	2 x 10 W	2 x 10 W
Power							
Power Supply	110 VAC - 240 VAC	110 VAC - 240 VAC	110 VAC - 240 VAC	110 VAC - 240 VAC	110 VAC - 240 VAC	110 VAC - 240 VAC	110 VAC - 240 VAC
Power Consumption(Deep StandBy)	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Power Consumption(On Full Load)	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Energy Label	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Accessory							
Standard	QSG, Warranty Card, IB, Power Cord, Remote Control, RC Battery	QSG, Warranty Card, IB, Power Cord, Remote Control, RC Battery	QSG, Warranty Card, IB, Power Cord, Remote Control, RC Battery	QSG, Warranty Card, IB, Power Cord, Remote Control, RC Battery	QSG, Warranty Card, IB, Power Cord, Remote Control, RC Battery	QSG, Warranty Card, IB, Power Cord, Remote Control, RC Battery	QSG, Warranty Card, IB, Power Cord, Remote Control, RC Battery
Optional	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certification							
Safety Approval	✓	✓	✓	✓	✓	✓	✓
CB	✓	✓	✓	✓	✓	✓	✓
S-MARK	✓	✓	✓	✓	✓	✓	✓
EMC Approval	✓	✓	✓	✓	✓	✓	✓
CE	✓	✓	✓	✓	✓	✓	✓
Reliability Approval	✓	✓	✓	✓	✓	✓	✓

* Specifications and features are subject to change without prior notice.



Commercial **CD Series**

Our CD Series offers a dynamic and cost-effective solution, which is not only compatible with external media players, but also with our optional extra plug-in modules. Eliminating the need for any additional software or expensive hardware, these plug-in modules enable you to create and manage your own content.



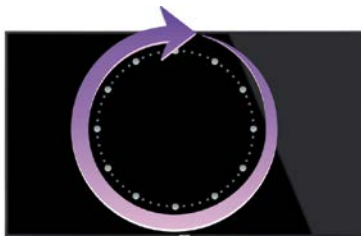
Super Narrow Bezel

Offering a contemporary and sleek-looking 9.5mm bezel width for three sides of their screens, our Full HD Commercial Displays come with SNB (Super Narrow Bezel) designs.



OPS Compatible

Enjoy an all-in-one signage solution with our OPS monitors.



16/7 operational time

Designed for 16/7 operation, our commercial displays can be used seven days a week, exceeding the number of working hours required for most businesses.



Best suited for signage

Designed for multiple verticals, our commercial displays offer great value, user-friendly designs.

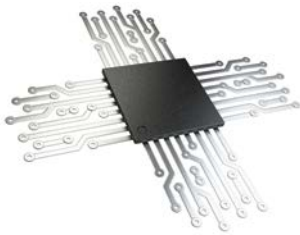
	CD-3202F	CD-4002F	CD-5002F	CD-6502F
Panel				
H-Freq	67.5 Khz	67.5 Khz	67.5 Khz	135.6
Max. Pixel Freq.	78 MHz	148.5 MHz	78 MHz	80.74
V-Freq	60 Hz	60 Hz	60 Hz	120 Hz
Size	32"	40"	50"	65"
Backlight Type	EDGE TYPE LED	EDGE TYPE LED	EDGE TYPE LED	EDGE TYPE LED
Panel Type	7/16 TV Panel	7/16 TV Panel	7/16 TV Panel	7/16 TV Panel
Front Type	Super Narrow Bezel	Super Narrow Bezel	Super Narrow Bezel	Super Narrow Bezel
Orientation	H-V	H-V	H-V	H-V
Resolution	1920 x 1080 (16:9)	1920 x 1080 (16:9)	1920 x 1080 (16:9)	1920 x 1080 (16:9)
Active Area	698.4 (H) x 392.85 (V)	885.68mm(H) x 498.15mm(V)	1095.84mm(H) x 616.41mm(V)	1428.48 (H) x 803.52 (V)
Brightness	300 cd/m2	450 cd/m2	500 cd/m2	670 cd/m2
Contrast Ratio	1400:1	5000:1	1200:1	4000:1
Panel life time (Max.)	50.000 Hr	50.000 Hr	50.000 Hr	50.000 Hr
Viewing Angle	89°	89°	89°	89°
Response Time	8.5 ms	8 ms	6 ms	6.5 ms
Color Value	8 bit, 16.7 M colors	8 bit, 16.7 M colors	8 Bit, 16.7 M Colors	10 bit, 1.07B
Areas of Usage	Indoor	Indoor	Indoor	Indoor
Monitor Connectivity				
RGB Input	Dsub 15 PIN VGA CON.	Dsub 15 PIN VGA CON.	Dsub 15 PIN VGA CON.	Dsub 15 PIN VGA CON.
VIDEO Input	HDMI V1.3b	HDMI V1.3b	HDMI V1.3b	HDMI V1.3b
AUDIO Input	LINE IN JACK	LINE IN JACK	LINE IN JACK	LINE IN JACK
RGB Output	N/A	N/A	N/A	N/A
AUDIO Output	LINE OUT JACK	LINE OUT JACK	LINE OUT JACK	LINE OUT JACK
External Control	RS232(DSUB 9P)	RS232(DSUB 9P)	RS232(DSUB 9P)	RS232(DSUB 9P)
External Sensor	N/A	N/A	N/A	N/A
OPS Module Option	Yes	Yes	Yes	Yes
Mechanical Features				
Size	723.4mm(H)x 423.1mm(V)	912mm(H) x 528 mm(V)	1120mm(H) x 645.5 mm(V)	1460mm(H) x 839mm(V)
Package Size	115 mm(W) x 900mm(L) x 540mm(H)	175 mm(W) x 1185 mm(L)x700 mm(H)	160 mm(W) x 1280 mm(L)x750 mm(H)	155 mm(W) x 1600 mm(L) x 990 mm(H)
Weight	9.5 KG	15.5 KG	19.5 KG	38.5 KG
Package Weight	12 KG	18.5 KG	24.5 KG	40 KG
Vesa Mounting Size	200 mm(H) x 200 mm(V)	200 mm(H) x 200 mm(V)	400 mm(H) x 400 mm(V)	400 mm(H) x 400 mm(V)
Working Conditions				
Temperature Conditions	+40°C / -15°C	+40°C / -15°C	+40°C / -15°C	+40°C / -15°C
Humidity	%90	%90	%90	%90
General Features				
Keyboard	Function Controlling with 6 Keys	Function Controlling with 6 Keys	Function Controlling with 6 Keys	Function Controlling with 6 Keys
Speaker	2 x 10 W	2 x 10 W	2 x 10 W	2 x 10 W
Power				
Power Supply	170 VAC - 240 VAC	170 VAC - 240 VAC	170 VAC - 240 VAC	
Power Consumption(Deep StandBy)	0.4 W	0.4 W	22W	
Power Consumption(On Full Load)	60 W	95 W	105W	
Accessory				
Standard	QSG, Warranty Card, IB, Power Cord, Remote Control, RC Battery	QSG, Warranty Card, IB, Power Cord, Remote Control, RC Battery	QSG, Warranty Card, IB, Power Cord, Remote Control, RC Battery	QSG, Warranty Card, IB, Power Cord, Remote Control, RC Battery
Optional	IR OVERLAY TOUCH, ANGLE HANGER	IR OVERLAY TOUCH, ANGLE HANGER	IR OVERLAY TOUCH, ANGLE HANGER	IR OVERLAY TOUCH, ANGLE HANGER
Certification				
Safety Approval	✓	✓	✓	✓
CB	✓	✓	✓	✓
S-MARK	✓	✓	✓	✓
EMC Approval	✓	✓	✓	✓
CE	✓	✓	✓	✓
Reliability Approval	✓	✓	✓	✓

* Specifications and features are subject to change without prior notice.



Professional **PD Series**

Meet our first generation of high end Professional Displays. Offering a powerful, all-in one signage solution, they not only offer SoC, but also optional plug-in module functionality, enabling you to create your own signage content without any additional software or expensive hardware.



SoC

Embedded with high power processors, our metal monitors will ensure that all resource-demanding applications can be easily applied.



24/7 Operational Support

Supporting businesses around the clock, our Digital Information Display (DID) panels offer 24/7 operation.



Full HD

Offering 1920x1080 resolution, this series ensures sharper, more life-like on-screen imagery thanks to its higher contrast ratios.



High End Solution

Offering powerful chip functionality, longer operational times and optional OPS modules, this Series offers the ultimate business solution.

	PD-4203F	PD-4903F	PD-5503F
Panel			
H-Freq	67.5 Khz	67.5 Khz	67.5 Khz
Max. Pixel Freq.	74.25 MHz	74.25 MHz	74.25 MHz
V-Freq	60 Hz	60 Hz	60 Hz
Size	42"	49"	55"
Backlight Type	EDGE TYPE LED	EDGE TYPE LED	EDGE TYPE LED
Panel Technology	IPS	IPS	IPS
Other Technology(Dimming,wide color gamut,vs.,)	N/A	N/A	N/A
Panel Type	DID Panel	DID Panel	DID Panel
Front Type	Ultra Narrow Bezel	Ultra Narrow Bezel	Ultra Narrow Bezel
Orientation	H-V	H-V	H-V
Resolution	1920 x 1080 (16:9) - FHD	1920 x 1080 (16:9) - FHD	1920 x 1080 (16:9) - FHD
Active Area	941.184 mm(H) x 529.416mm (V)	1085.5mm (H) x 617.7mm (V)	1209.6mm (H) X 680.4mm (V)
Brightness	700 cd/m2	700 cd/m2	700 cd/m2
Contrast Ratio	5000:1	5000:1	5000:1
Panel life time (Average)	30000 Hr	30000 Hr	30000 Hr
Viewing Angle	89°	89°	89°
Response Time	6 ms	6 ms	6 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	HDMI2.0, DP1.2a, DVI, 1xUSB3.0, 1xUSB2.0, DVB_T/T2/S/S2/C/Analog	HDMI2.0, DP1.2a, DVI, 1xUSB3.0, 1xUSB2.0, DVB_T/T2/S/S2/C/Analog	HDMI2.0, DP1.2a, DVI, 1xUSB3.0, 1xUSB2.0, DVB_T/T2/S/S2/C/Analog
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) or RJ12,Ethernet	RS232(DSUB 9P) or RJ12,Ethernet	RS232(DSUB 9P) or RJ12,Ethernet
External Sensor	N/A	N/A	N/A
OPS Module Option	Yes	Yes	Yes
Mechanical Features			
Size	966 mm(L) x 557 mm(H) x 66 mm(D)	1099 mm(L) x 637 mm(H) x 64 mm(D)	1238 mm(L) x 719 mm(H) x 65 mm(D)
Shipping Size	1085 mm(L) x 135 mm(W) x 775 mm(H)	1195 mm(L) x 145 mm(W) x 775 mm(H)	1369 mm(L) x 145 mm(W) x 874 mm(H)
Weight	13 KG	15.9 KG	19.3 KG
Shipping Weight	14.5 KG	17.9 KG	22.3 KG
Vesa Mounting Size	200 mm(H)x 200 mm(V)	200 mm(H)x 200 mm(V)	400 mm(H)x 400 mm(V)
Bezel Width	7.7mm / 11.3mm	7.8mm / 11.4mm	8.9mm / 12.2 mm
Working Conditions			
Temperature Conditions	+40°C / 0°C	+40°C / 0°C	+40°C / 0°C
Humidity	%90	%90	%90
General Features			
Keyboard	N/A	N/A	N/A
Speaker	2 x 10 W	2 x 10 W	2 x 10 W
Power			
Power Supply	110 VAC - 240 VAC	110 VAC - 240 VAC	110 VAC - 240 VAC
Power Consumption(Deep StandBy)	TBD	TBD	TBD
Power Consumption(On Full Load)	TBD	TBD	TBD
Energy Label	TBD	TBD	TBD
Accessory			
Standard	QSG, Warranty Card, IB, Power Cord, Remote Control, RC Battery	QSG, Warranty Card, IB, Power Cord, Remote Control, RC Battery	QSG, Warranty Card, IB, Power Cord, Remote Control, RC Battery
Optional	N/A	N/A	N/A
Certification			
Safety Approval	✓	✓	✓
CB	✓	✓	✓
S-MARK	✓	✓	✓
EMC Approval	✓	✓	✓
CE	✓	✓	✓
Reliability Approval	✓	✓	✓

* Specifications and features are subject to change without prior notice.



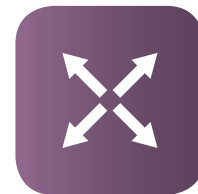
Ultra HD 4K **UH Series**

Offering a SoC based solution, our UH Series ensures high connectivity as well as life-like picture quality, providing the perfect solution for any application where exceptional resolution is required.



Ultra HD 4K Resolution

Thanks to their 4K UHD resolution, our screens can display content more clearly, bringing every on-screen detail bang into focus.



Biggest Screens

Designed in a range of alternative sizes, our Ultra HD products can be used for a variety of applications, big or small.



High Quality

A high end solution, this product offers premium quality as well as the most visually striking signage solution.



Premium Product

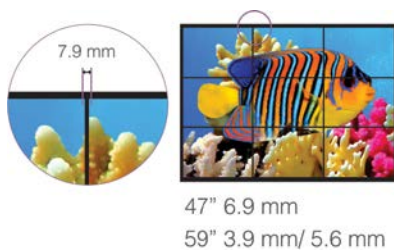
Enjoy more flexible configuration options with our most premium product offering.

	UH-4304U	UH-4904U	UH-5504U	UH-6504U
Panel				
H-Freq	135 KHz	135 KHz	135 KHz	135 KHz
Max. Pixel Freq.	78 MHz	78 MHz	78 MHz	78 MHz
V-Freq	60 Hz	60 KHz	60 Hz	60 Hz
Size	43"	49"	55"	65"
Backlight Type	EDGE TYPE LED	EDGE TYPE LED	EDGE TYPE LED	EDGE TYPE LED
Panel Technology	IPS	IPS	IPS	VA
Other Technology(Dimming,wide color gamut,vs.,)	N/A	N/A	N/A	N/A
Panel Type	7/16 TV Panel	7/16 TV Panel	7/16 TV Panel	7/16 TV Panel
Front Type	Ultra Narrow Bezel	Ultra Narrow Bezel	Ultra Narrow Bezel	Super Narrow Bezel
Orientation	H-V	H-V	H-V	H-V
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
Active Area	941.184mm (H) x 529.416mm (V)	1085.5mm (H) x 617.7mm (V)	1209.6mm (H) x 680.4625 (V)	1428.48mm (H) X 803.52mm (V)
Brightness	350 cd/m2	350 cd/m2	350 cd/m2	350 cd/m2
Contrast Ratio	1200:1	1200:1	1200:1	4000:1
Panel life time (Average)	30,000 Hr	30,000 Hr	30,000 Hr	30,000 Hr
Viewing Angle	89°	89°	89°	89°
Response Time	6 ms	6 ms	6 ms	6 ms
Color Value	10bit(D), 1.07Billion colors	10bit(D), 1.07Billion colors	10bit(D), 1.07Billion colors	10bit(D), 1.07Billion colors
Areas of Usage	Indoor	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	Dsub 15 PIN VGA CON., YPbPr
RGB Output	N/A	N/A	N/A	N/A
VIDEO Input	HDMI2.0, DP1.2a, DVI, 1xUSB3.0, 1xUSB2.0, DVB_T/T2/S/S2/C/ Analog	HDMI2.0, DP1.2a, DVI, 1xUSB3.0, 1xUSB2.0, DVB_T/T2/S/S2/C/ Analog	HDMI2.0, DP1.2a, DVI, 1xUSB3.0, 1xUSB2.0, DVB_T/T2/S/S2/C/ Analog	HDMI2.0, DP1.2a, DVI, 1xUSB3.0, 1xUSB2.0, DVB_T/T2/S/S2/C/ Analog
VIDEO Output	DP1.2a	DP1.2a	DP1.2a	DP1.2a
AUDIO Input	LINE IN JACK	LINE IN JACK	LINE IN JACK	LINE IN JACK
AUDIO Output	LINE OUT JACK	LINE OUT JACK	LINE OUT JACK	LINE OUT JACK
External Control	RS232(DSUB 9P) or RJ12,Ethernet	RS232(DSUB 9P) or RJ12,Ethernet	RS232(DSUB 9P) or RJ12,Ethernet	RS232(DSUB 9P) or RJ12,Ethernet
External Sensor	N/A	N/A	N/A	N/A
OPS Module Option	Yes	Yes	Yes	Yes
Mechanical Features				
Size	966 mm(L) x 557 mm(H) x 66 mm(D)	1099 mm(L) x 637 mm(H) x 64 mm(D)	1238 mm(L) x 719 mm(H) x 65 mm(D)	1460 mm(L) x 838 mm(H) x 48 mm(D)
Shipping Size	1085 mm(L) x 135 mm(W) x 775 mm(H)	1195 mm(L) x 145 mm(W) x 775 mm(H)	1369 mm(L) x 145 mm(W) x 874 mm(H)	1620 mm(L) x 165 mm(W) x 1006 mm(H)
Weight	13 KG	15.9 KG	19.3 KG	36,5 Kg
Shipping Weight	14.5 KG	17.9 KG	22.3 KG	39,5 Kg
Vesa Mounting Size	200 mm(H)x 200 mm(V)	200 mm(H)x 200 mm(V)	400 mm(H)x 400 mm(V)	400 mm(H)x 400 mm(V)
Bezel Width	7.7mm / 11.3mm	7.8mm / 11.4mm	8.9mm / 12.2 mm	12.4mm / 16mm
Working Conditions				
Temperature Conditions	+40°C / 0°C	+40°C / 0°C	+40°C / 0°C	+40°C / 0°C
Humidity	%90	%90	%90	%90
General Features				
Keyboard	N/A	N/A	N/A	N/A
Speaker	2 x 10 W	2 x 10 W	2 x 10 W	2 x 10 W
Power				
Power Supply	110 VAC - 240 VAC	110 VAC - 240 VAC	110 VAC - 240 VAC	110 VAC - 240 VAC
Power Consumption(Deep StandBy)	TBD	TBD	TBD	TBD
Power Consumption(On Full Load)	TBD	TBD	TBD	TBD
Energy Label	TBD	TBD	TBD	TBD
Accessory				
Standard	QSG, Warranty Card, IB, Power Cord, Remote Control, RC Battery	QSG, Warranty Card, IB, Power Cord, Remote Control, RC Battery	QSG, Warranty Card, IB, Power Cord, Remote Control, RC Battery	QSG, Warranty Card, IB, Power Cord, Remote Control, RC Battery
Optional	N/A	N/A	N/A	N/A
Certification				
Safety Approval	✓	✓	✓	✓
CB	✓	✓	✓	✓
S-MARK	✓	✓	✓	✓
EMC Approval	✓	✓	✓	✓
CE	✓	✓	✓	✓
Reliability Approval	✓	✓	✓	✓



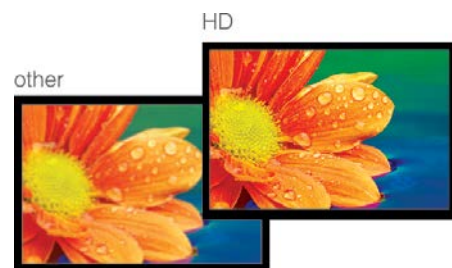
Video Wall **VDW Series**

With Vestel, you can create a powerful visual experience for video walls of all sizes. Illustrating video content more smoothly and with the least amount of interference, our displays come with UNB (Ultra Narrow Bezel) designs.



Ultra Narrow Bezel

Reducing the gap between each UNB display area, Vestel's UNB designs help to create a seamless overall on-screen image.



High Definition Picture

Seamless visual experience with very high resolution, bright and colourful content.

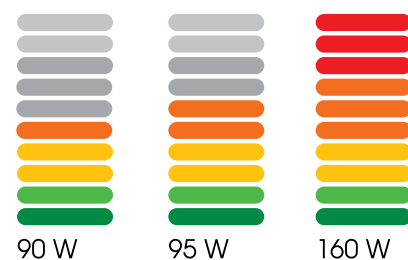


Landscape

Portrait

Portrait and Landscape Mode

Our Videowall may be displayed in either portrait or landscape mode.



Low Power Consumption (Typical)

Videowall's typical consumption is designed to be typically low at all times.

Panel			
Size	47"	55"	55"
Aspect Ratio	16:9	16:9	16:9
Native Resolution	1920x1080	1920x1080	1920x1080
Brightness (cd/m2)	500	500	700
Bezel Width (mm) (Picture to Picture)	3,8	3,8	3,8
Active Display Area	1039.8 (H) x 584.6 (V)	1209.6 (H) x 680.4 (V)	1213.5 (H) x 684.3 (V)
Backlight Type	Direct- LED	Direct- LED	Direct- LED
Contrast Ratio	1 400:1	3 500:1	3 500:1
Viewing Angle (degree)	178 / 178	178 / 178	178 / 178
Color Depth	16.7 M	16.7 M	16.7 M
Panel Refresh Rate	60hz	60hz	60hz
Response Time	12ms	8ms	8ms
Panel Life Time	60,000hrs	50,000hrs	50,000hrs
Storage Temperature (degree)	-20 to +60	-20 to +65	-20 to +65
Storage Humidity (%)	10 to 90	35 to 75	35 to 75
Operating Temperature (degree)	0 to 50	0 to 50	0 to 50
Operating Humidity (%)	10 to 90	10 to 90	10 to 90
Video			
H-Scanning frequency (kHz)	47.4	67.5	47.4
V-Scanning frequency (Hz)	60	60	60
Digital Video Input	HDMI/DVI	HDMI/DVI	HDMI/DVI
Picture Mode	Auto/Subtitle/Panaromic/Cinema	Auto/Subtitle/Panaromic/Cinema	Auto/Subtitle/Panaromic/Cinema
Color Temperature	Warm/Normal/Cool	Warm/Normal/Cool	Warm/Normal/Cool
Features			
Advance Mode Support	✓	✓	✓
Language OSD	Eng(GB), Ger(D), Fre(F), Dan(DK), Fin(SF), Nor(N), Swe(S), Cro(HR), Cze(CZ), Dut(NL), Gre(GR), Bul(BG), Hun(H), Ita(I), Pol(PL), Por(P), Rom(RO), Rus(RUS), Slk(SK), Slo(SLO), Spa(E), Tur(TR)	Eng(GB), Ger(D), Fre(F), Dan(DK), Fin(SF), Nor(N), Swe(S), Cro(HR), Cze(CZ), Dut(NL), Gre(GR), Bul(BG), Hun(H), Ita(I), Pol(PL), Por(P), Rom(RO), Rus(RUS), Slk(SK), Slo(SLO), Spa(E), Tur(TR)	Eng(GB), Ger(D), Fre(F), Dan(DK), Fin(SF), Nor(N), Swe(S), Cro(HR), Cze(CZ), Dut(NL), Gre(GR), Bul(BG), Hun(H), Ita(I), Pol(PL), Por(P), Rom(RO), Rus(RUS), Slk(SK), Slo(SLO), Spa(E), Tur(TR)
Brightness/Contrast/Backlight Control	✓	✓	✓
Interfaces			
Digital input	✓	✓	✓
Analog Input	✓	✓	✓
USB	✓	✓	✓
Ethernet	✓	✓	✓
Power			
Voltage, Hz	220V/50Hz	220V/50Hz	220V/50Hz
Consumption (Typical)	95W	160W	160W
Consumption (Max)	200W	230W	230W
Stand-by	0.5W<	0.5W<	0.5W<
Cabinet			
Color	Black	Black	Black
Dimension (H x W xD) (mm)	590,9 x 1046,8 x 80,4	686,1 x 1215,3 x 93,8	686,1 x 1215,3 x 93,8
Weight (w/o wall mount) (KG)	26	32	32

* Specifications and features are subject to change without prior notice.



Totem **TO Series**

Create your own high impact, customized advertising solution with our robust and cost-effective Totems.



Robust Design

Offering an eye-catching as well as robust design, our slim, stand-alone Totem can provide built-in PC functionality, giving you a self-contained content management system.



Double Sided

Vestel's Totem offers a double sided display option, enabling your branding to reach more people.



Market Specific

Offering a flexible signage solution, our Totem is perfect for a wide variety of applications, working well for multiple vertical markets, such as the transport and entertainment industries.

Panel	
Available Sizes	65"
Resolution	1920x1080
Type	Edge LED
Contrast Ratio	4,000 : 1
Dynamic Contrast Ratio	100,000:1
Aspect Ratio	16:9
Brightness (cd/m2)	700
Picture Enhancement	Clear Motion Engine
Viewing Angle	178° (H) / 178° (V)
Active Display Area	1428.4(H) x 803.5(V)
Display Colours	16.7 M
Response Time	8 ms
H-Scanning Frequency	67.5
V-Scanning Frequency	60
Progressive Scan	✓
Interfaces	
USB	✓
Audio Output	✓
Audio In	✓
LAN - Ethernet	✓
Video	
Digital Noise Reduction	✓
Picture Modes	Auto/ 4:3 / 16:9 / Panoramic / Zoom / Subtitle / Cinema
Audio	
Invisible Speaker	✓
Audio Output	10W + 10W
Equalizer (5 Band)	✓
Carrier Mute	✓
Features	
Wi-fi	✓
Bluetooth	✓
Double Sided	optional
Touch	-
Graphical Processor Unit	✓
System Memory	up to 16GB
Storage	HDD default SSD optional
Operating System	Windows 8 or 10
Remote Control	via LAN
IB	•
Power Cable	•
Firmware Upgrade	via FTP
OPS Module Option	Yes
Power	
Voltage, Hz	220V/50Hz
Consumption (Typical)	350W
Consumption (Max)	450W
Stand-by	0.5W<
Mechanical	
Dimensions (mm) (HxDXW)	TBD
Weight (Typical) (KG)	TBD

* Specifications and features are subject to change without prior notice.



Interactive Flat Panel **IFPD Series**

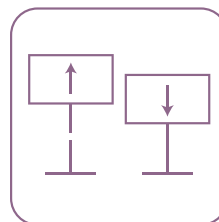
Designed with LED touch screen technology, the Vestel Interactive Flat Panel Display is an interactive, dynamic and engaging solution for both education and business environments. Encouraging interactive communication, its technology facilitates learning as well as information sharing.

What You Can Do

- Write on the screen with your finger or a pen, and erase
- Touch the screen to navigate through documents, videos, presentations, or websites
- Make notes, draw shapes, move, scale, or rotate the images with a finger touch
- Save your notes, graphs, text, audio files to print, e-mail, or share them
- Switch from writing notes to navigating applications and back
- Create video or audio files to teach an application or a lecture to be posted
- Record instructions as video files and post the materials for review
- Control the PCs / tablets in the classroom from the display
- Conduct quizzes and capture feedback on the display

Available Sizes

84"	75"	65"
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Adjustable Stand

Interactive Flat Panel Displays can either be wall-mounted or they can be used with optional adjustable stands.

Hardware Options

CPU	IntelCore i3	IntelCore i5
Harddisk	500GB HDD	255GB SSD
Memory	4GB	8GB

Model	Default	Optional
65"	6	10
75"	10	-
84"	10	-

Touch Options

We offer anti-glare and anti-reflective touch screen finishes.

Panel Specifications			
	65" IFPD	65" OFFICE BOARD	84" IFPD
Resolution:	1920 x 1080	1920 x 1080	3840 x 2160
Frequency:	50 Hz	50 Hz	100 Hz
Brightness:	350 cd/m ²	350 cd/m ²	350 cd/m ²
Contrast:	4000 : 1	4000 : 1	1400 : 1
Response Time:	5 ms	5 ms	5 ms
View Angle:	Hor:178°, Ver:178°	Hor:178°, Ver:178°	Hor:178°, Ver:178°
Color Palette:	1.07 billion	1.07 billion	1.07 billion

Monitor Specifications	
Control Buttons	PC On/Off Source Select Touch Screen Enable/Disable Brightness Level Decrease Brightness Level Increase Volume Level Decrease Volume Level Increase
Touch Screen	Infrared Touch Screen 65" 4 point touch (6 point is opt) 84" 6 point touch (10 point is opt)
Glass	4 mm tempered, anti-reflective glass (Anti-Glare is opt)
I/O Ports	1 x VGA In 2 x HDMI In 1 x USB B-type connector (for external touch screen usage only) 1 x Line In 1 x Line Out RS232

PC Board Specifications	
Processor	Intel Ivy Bridge 3rd generation processors (i3, i5, i7)
Chipset	Intel 7 Series Panther Point Chipset
System Memory	4GB, 8 GB 1333/1600MHz DDR-3 RAM (up to 16GB RAM support)
Network (Wired/Wireless)	LAN: 10/100/1000 Mbps LAN support WLAN : 802.11 a/b/g/n wireless support with MIMO
Data Storage	SSD Storage Unit 220 MB/sec Read, 110 MB/sec Write (opt) Various sizes HDD (optional) mSATA (optional)
Audio	30W Audio Output Power
I/O Ports	1 x RJ45, 10/100/1000 Mbps Ethernet 2 x USB 3.0 ports 1 x Microphone "In 1 x Headphone Out 2 x WiFi Antenna Connector

Software Specifications	
Operating System	Windows 8, Pardus 2013

* Specifications and features are subject to change without prior notice.



Plugin OPS Module

Vestel's pluggable processors (OPS) are designed to give extra computational power to our displays. Our OPS modules are supported with Vestel CD, PD, UH, Totem and IFPD Series.



Touch Overlay

Thanks to their touch overlays, our displays can offer interactive features.

Plugin OPS Module		Android OPS	Windows OPS	Linux OPS
Interfaces	USB	2	4	4
	Micro USB	✓	-	-
	USB	-	✓	✓
	VGA in	✓	✓	✓
	HDMI Interface	✓	✓	✓
	Audio In	1	1	1
	LAN - Ethernet	✓	✓	✓
Features	Wi-fi	✓	✓	✓
	Bluetooth	✓	✓	✓
	Graphical Processor Unit	✓	Intel HD 4000 integrated	Intel HD 4000 integrated
	System Memory	up to 4GB	up to 8GB	up to 8GB
	Storage	8GB NAND	HDD default SSD optional	HDD default SSD optional
	Operating System	Android OS 4.4 KitKat	Windows 10	Linux Ubuntu
	Google Play Store	✓	-	-
	Android Firefox	✓	✓	✓
	Google Chrome Android	✓	✓	✓
	Remote Control via LAN	RS232C	RS232C	RS232C
	Firmware Upgrade	via USB	via USB	via USB
Power	Voltage, Hz	DC 12V	DC 12V	DC 12V
	Consumption (Typical)	5W	TBD	TBD
	Consumption (Max)	8W	TBD	TBD
	Stand-by	0.5W<	0.5W<	0.5W<
Mechanical	Dimensions (mm) (HxDxW)	30 x 119 x 200	30 x 119 x 200	30 x 119 x 200
	Weight (Typical) (KG)	<1	<1	<1

Touch Screen	
Overlay Touch	Infrared / USB Plug and Play Connection /
	10-point (6-point optional)
Available Sizes	32", 40", 50", 65"
Glass Thickness	4 mm / Tempered /Anti-glare
Frame Metal	Galvanised sheet (Colour: Black)
Response Time	<15ms
Touch Accuracy	±2mm (over 90% area)
Touch Input Method	Finger, finger of gloved hand, opaque objects
Available Object Sizes for Touch	8mm
Touch Durability	Unlimited



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