Vestel
Digital Signage
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, smartphones, 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
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.

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. Thescheduler allows you to plan daily routines of when the display is powered on or off, along with selection 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.
Vestel’s pluggable processors (OPS) are designed to give extra computational power to our displays.

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.

You will be able to make use of our adjustable motorized stands together with our signage products.
Ultra HD Signage Displays
UHM Series

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
- Built-in Connectivity
- Improved UI
- Built-in WiFi
- Temperature Control
- Built-in Bluetooth
- IP Streaming Support
- Color Calibration (VW)
- Display Control
- Playlist Creation
- SoC CMS
- Professional Design
- HTML5 API Support
- Sensor Support
- Button Lock
- OPS Support
- RCU Lock
- Touch Support
- Menu Lock
- USB Secure Cover
- HDMI Wakeup
- Carrying Handles
- HDMI Switching
- IR Extender
- HDMI CEC
- Detachable Logo
- HDMI Auto-Switch
- Detachable Power Cord
- Brightness Scheduling
- Boot-up Picture
- Scheduler
- Brightness Scheduling
- USB Auto-Play
- USB Cloning
- USB Operations
- USB Information
- USB Safe Eject
- Videowall Settings
- Daisychain
- Volume Limit
- Startup Volume
- Headphone Volume

65”/75”/86”
## TECHNICAL DATA AND SPECIFICATIONS

### UHM Series

<table>
<thead>
<tr>
<th>Model Name</th>
<th>UHM55UH82/4</th>
<th>UHM65UH82/4</th>
<th>UHM75UH83/4</th>
<th>UHM86SH80B/4</th>
</tr>
</thead>
</table>

#### Panel
- **Screen Size:** 55”
- **Backlight Type:** Direct-Type LED
- **Brightness (typical):** 400 cd/m²
- **Native Resolution:** 3840 x 2160 (0.69) - UHD
- **Contrast Ratio (typical):** 1200:1
- **Dynamic Contrast Ratio:** 4000:1
- **Panel Life Time:** 30000 Hrs
- **Response Time (typical):** 6 ms
- **Active Area (H x V):** 1210 x 681 mm
- **Pixel Pitch (H x V):** 0.315 x 0.315 mm
- **PPi (pixel per inch):** 81
- **Viewing Angle:** 178° Vert., 178° Hor.
- **Color Value:** 1.07 R (10-bc)
- **Haze Level:** 1%
- **Refresh Rate:** 60 Hz
- **Front Type:** Ultra Narrow Bezel
- **Orientation:** Horizontal
- **Area of Usage:** Indoor
- **Mechanical:** Indoor

#### Mainboard
- **Model Name:** UHM55UH82/4, UHM65UH82/4, UHM75UH83/4, UHM86SH80B/4
- **Accessory:** Speaker, Mounting Kit, Extension Brackets, IR Extender Cable
- **IR Extender:** Yes
- **Certification:** Safety, EMC, CE
- **Power Supply:** 110 VAC - 240 VAC - 50/60 Hz
- **Power Consumption:** Typical 97 W, Steady 74 W, Standby 0.5 W
- **Main Features:** Open Content Management Support, Scheduler, USB-Auto-play, Auto-Launch, HDMI-CEC, HDMI-Wakeup, Auto-switch on Failover, Panel Lock

#### Main Features
- **Mechanical:** Panel
- **Screen Size:** 55”
- **Backlight Type:** Direct-Type LED
- **Brightness (typical):** 400 cd/m²
- **Native Resolution:** 3840 x 2160 (0.69) - UHD
- **Contrast Ratio (typical):** 1200:1
- **Dynamic Contrast Ratio:** 4000:1
- **Panel Life Time:** 30000 Hrs
- **Response Time (typical):** 6 ms
- **Active Area (H x V):** 1210 x 681 mm
- **Pixel Pitch (H x V):** 0.315 x 0.315 mm
- **PPi (pixel per inch):** 81
- **Viewing Angle:** 178° Vert., 178° Hor.
- **Color Value:** 1.07 R (10-bc)
- **Haze Level:** 1%
- **Refresh Rate:** 60 Hz
- **Front Type:** Ultra Narrow Bezel
- **Orientation:** Horizontal
- **Area of Usage:** Indoor
- **Mechanical:** Indoor

#### Main Features
- **Mechanical:** Panel
- **Screen Size:** 65”
- **Backlight Type:** Direct-Type LED
- **Brightness (typical):** 400 cd/m²
- **Native Resolution:** 3840 x 2160 (0.69) - UHD
- **Contrast Ratio (typical):** 1200:1
- **Dynamic Contrast Ratio:** 4000:1
- **Panel Life Time:** 30000 Hrs
- **Response Time (typical):** 5 ms
- **Active Area (H x V):** 1428 mm (H) x 804 mm (V)
- **Pixel Pitch (H x V):** 0.372 x 0.372 mm
- **PPi (pixel per inch):** 78
- **Viewing Angle:** 178° Vert., 178° Hor.
- **Color Value:** 1.07 R (10-bc)
- **Haze Level:** 3%
- **Refresh Rate:** 60 Hz
- **Front Type:** Ultra Narrow Bezel
- **Orientation:** Horizontal
- **Area of Usage:** Indoor
- **Mechanical:** Indoor

#### Main Features
- **Mechanical:** Panel
- **Screen Size:** 75”
- **Backlight Type:** Direct-Type LED
- **Brightness (typical):** 400 cd/m²
- **Native Resolution:** 3840 x 2160 (0.69) - UHD
- **Contrast Ratio (typical):** 1200:1
- **Dynamic Contrast Ratio:** 4000:1
- **Panel Life Time:** 30000 Hrs
- **Response Time (typical):** 8 ms
- **Active Area (H x V):** 1650 x 928 mm
- **Pixel Pitch (H x V):** 0.429 x 0.429 mm
- **PPi (pixel per inch):** 49
- **Viewing Angle:** 178° Vert., 178° Hor.
- **Color Value:** 1.07 R (10-bc)
- **Haze Level:** 3%
- **Refresh Rate:** 8 ms
- **Front Type:** Ultra Narrow Bezel
- **Orientation:** Horizontal
- **Area of Usage:** Indoor
- **Mechanical:** Indoor

#### Main Features
- **Mechanical:** Panel
- **Screen Size:** 86”
- **Backlight Type:** Direct-Type LED
- **Brightness (typical):** 400 cd/m²
- **Native Resolution:** 3840 x 2160 (0.69) - UHD
- **Contrast Ratio (typical):** 1200:1
- **Dynamic Contrast Ratio:** 4000:1
- **Panel Life Time:** 30000 Hrs
- **Response Time (typical):** 8 ms
- **Active Area (H x V):** 1950 x 1066 mm
- **Pixel Pitch (H x V):** 0.4935 x 0.4935 mm
- **PPi (pixel per inch):** 52
- **Viewing Angle:** 178° Vert., 178° Hor.
- **Color Value:** 1.07 R (10-bc)
- **Haze Level:** 3%
- **Refresh Rate:** 8 ms
- **Front Type:** Ultra Narrow Bezel
- **Orientation:** Horizontal
- **Area of Usage:** Indoor
- **Mechanical:** Indoor
KEY SERIES FEATURES

- Temperature Control
- Brightness Scheduling
- Sensor Compatibility
- Detachable Logo
- Detachable Power Cord
- OSD Rotation
- Pixel Shifting
- Signal Failover
- Input Search
- IP Streaming Support
- Playlist Creation
- SoC CMS
- HTML5 API Support
- HDMI Wakeup
- HDMI OUT
- HDMI IN 1
- HP
- IR IN
- HDMI IN 2
- HDMI IN 3
- HDMI IN 4
- OPTICAL SPDIF
- RJ12-SENSORS
- RJ12
- AUDIO IN L/R
- DSUB9-RS232
- VGA
- RJ45
- USB 2
- USB 1
- 43”/49”/55”

- HDMI Switching
- HDMI CEC
- HDMI Auto-Switch
- Improved UI
- Color Calibration(VW)
- Professional Design
- Built-in Connectivity
- Built-in WiFi
- Built-in Bluetooth
- Display Control
- Longer Life Span
- OPS Support
- Touch Support
- USB Secure Cover
- Carrying Handles
- IR Extender
- Button Lock
- RCU Lock
- Menu Lock
- Device ID
- Display Lifetime
- Serial Number
- Software Upgrade
- Start Url
- OPS Status
- OPS Power Control
- Power-up Mode
- Power on Delay
- Auto-Launch
- Boot-up Picture
- Scheduler
- USB Auto-Play
- USB Cloning
- USB Operations
- USB Information
- USB Safe Eject
- Videowall Settings
- Daisychain
- Volume Limit
- Startup Volume
- Headphone Volume
<table>
<thead>
<tr>
<th>Model Name</th>
<th>PDH43UH82/4</th>
<th>PDH49UH82/4</th>
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<tr>
<td><strong>Panel</strong></td>
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<td>Backlight Type</td>
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<td>Direct-Type LED</td>
<td>Direct-Type LED</td>
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<td>700 cd/m²</td>
<td>700 cd/m²</td>
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<td>Native Resolution</td>
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<td>1920 x 1080 (16:9) - FHD</td>
<td>1920 x 1080 (16:9) - FHD</td>
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<td>Contrast Ratio (typical)</td>
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<td>Dynamic Contrast Ratio</td>
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<td>6 ms</td>
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<td>0.4902 x 0.4902 mm</td>
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<td>16.7 M (8-bit)</td>
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<td><strong>Haze Level</strong></td>
<td>1%</td>
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<td>1%</td>
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<td>≤ 0.5 W</td>
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<td>110 VAC - 240 VAC - 50/60 Hz</td>
<td>110 VAC - 240 VAC - 50/60 Hz</td>
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<td>13 kg</td>
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<td>1050 x 718 x 718 mm</td>
<td>1215 x 165 x 718 mm</td>
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<td><strong>Operating Temperature</strong></td>
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<td>0-40°C</td>
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<td>10-90%</td>
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<td><strong>Mechanical</strong></td>
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<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td><strong>CE</strong></td>
<td>Yes</td>
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<tr>
<td><strong>CB</strong></td>
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Professional UHD Signage Displays

PDU Series

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

- 4K HDMI @60Hz
- Display Control
- Scheduler
- USB Auto-Play
- USB Cloning
- USB Operations
- USB Information
- USB Safe Eject
- Auto-Launch
- Boot-up Picture
- Temperature Control
- Brightness Scheduling
- Sensor Compatibility
- Detachable Logo
- Detachable Power Cord
- Color Calibration (VW)
- Device ID
- Display Lifetime
- Serial Number
- Software Upgrade
- Start Url
- OPS Status
- OPS Power Control
- Power-up Mode
- Power on Delay
- Videowall Settings
- Daisychain
- Volume Limit
- Startup Volume
- Headphone Volume
## Technical Data and Specifications

### PDU Series

<table>
<thead>
<tr>
<th>Model Name</th>
<th>PDU65UF82/4</th>
<th>PDU75UF83/4</th>
<th>PDU86SF80B/4</th>
<th>PDU95SF81B/4</th>
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<tr>
<td><strong>Panel</strong></td>
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<tr>
<td>Screen Size</td>
<td>65”</td>
<td>75”</td>
<td>86”</td>
<td>98”</td>
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<td>Panel Technology</td>
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<td>Direct: Type LED</td>
<td>Edge-Type LED</td>
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<td>3840 x 2160 (16:9) - UHD</td>
<td>3840 x 2160 (16:9) - UHD</td>
<td>3840 x 2160 (16:9) - UHD</td>
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<td><strong>Contrast Ratio (typical)</strong></td>
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<tr>
<td>Mechanical Features</td>
<td>Joystick, IR Extender Support, Rocker Switch, Detachable power cable, Carrying slots, Detachable logo positioning, Internal usb cover, Cable Holder</td>
<td>Joystick, IR Extender Support, Rocker Switch, Detachable power cable, Carrying slots, Detachable logo positioning, Internal usb cover, Cable Holder</td>
<td>Joystick, IR Extender Support, Rocker Switch, Detachable power cable, Carrying slots, Detachable logo positioning, Internal usb cover, Cable Holder</td>
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