## Product specification (design and specification subject to change without notice)

### DISPLAY PANEL

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen Size (Diagonal)</td>
<td>54.6-inch (1387 mm)</td>
</tr>
<tr>
<td>Panel Type / Backlight</td>
<td>IPS / Direct LED</td>
</tr>
<tr>
<td>Aspect ratio</td>
<td>16:9</td>
</tr>
<tr>
<td>Effective Display Area (W x H)</td>
<td>1209.6 x 680.3 mm / 47.6&quot; x 26.7&quot;</td>
</tr>
<tr>
<td>Resolution (H x V)</td>
<td>1920 x 1080</td>
</tr>
<tr>
<td>Brightness (typ)</td>
<td>700 cd/m²</td>
</tr>
<tr>
<td>Contrast Ratio (typ)</td>
<td>1100:1</td>
</tr>
<tr>
<td>Dynamic Contrast Ratio</td>
<td>900000:1</td>
</tr>
<tr>
<td>Max. Display Colors</td>
<td>approx. 1.07 Billion</td>
</tr>
<tr>
<td>Viewing Angle (Horizontal / Vertical)</td>
<td>178° / 178° (CR ≥ 10)</td>
</tr>
<tr>
<td>Response Time (typ)</td>
<td>8.0 ms (G to G)</td>
</tr>
<tr>
<td>Panel Life (typ)*</td>
<td>approx. 60000 hours</td>
</tr>
</tbody>
</table>

* When the panel lifetime is at 50% of the brightness under the condition of 25 degrees Celsius (+/- 2 degrees celsius).

### CONNECTION TERMINAL

<table>
<thead>
<tr>
<th>Input / Output</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMI IN</td>
<td>HDMI Type A Connector x 1, Linear PCM, (Sampling frequency: 48 kHz/44.1 kHz/32 kHz)</td>
</tr>
<tr>
<td>DVI-D IN</td>
<td>DVI-D 24-pin x 2, Compliance with VTV Revision 1.1, Compatible with HDCP 1.3</td>
</tr>
<tr>
<td>PC IN</td>
<td>Mini D-Sub 15-pin x 1 (Female), Y/G : with sync 1.0 V [p-p] (75 Ω)</td>
</tr>
<tr>
<td></td>
<td>: without sync 0.7 V [p-p] (75 Ω)</td>
</tr>
<tr>
<td></td>
<td>P/C/B : with sync 0.7 V [p-p] (75 Ω)</td>
</tr>
<tr>
<td></td>
<td>: without sync 0.7 V [p-p] (75 Ω)</td>
</tr>
<tr>
<td></td>
<td>HD/VD : 1.0 - 5.0 V [p-p] (high impedance)</td>
</tr>
<tr>
<td>Display Port IN</td>
<td>DisplayPort (DP1.1 Dual Mode Only) x 1, Linear PCM, (Sampling frequency: 48 kHz/44.1 kHz/32 kHz)</td>
</tr>
<tr>
<td>AUDIO 1 IN</td>
<td>Stereo Mini Jack (M3) x 1, 0.5 V [rms]</td>
</tr>
<tr>
<td>AUDIO 2 IN</td>
<td>L/R Pin Jack x 1 set, 0.5 V [rms]</td>
</tr>
<tr>
<td>SERIAL IN / OUT</td>
<td>D-sub 9pin x 1 / x 1, RS-232C Compatible</td>
</tr>
<tr>
<td>DIGITAL LINK IN</td>
<td>R/45 x 1, Long Reach Mode (Shared with LAN IN)</td>
</tr>
<tr>
<td>DIGITAL LINK OUT</td>
<td>R/45 x 1 (Shared with LAN OUT)</td>
</tr>
<tr>
<td>LAN IN / OUT</td>
<td>R/45 x 1 / x 1, 100BASE-TX, Compatible with PJLink (Shared with DIGITAL LINK)</td>
</tr>
<tr>
<td>AUDIO OUT</td>
<td>L/R Pin Jack x1 set, Variable (-∞ - 0 dB), (1 kHz 0 dB Input, 10 kΩ Load)</td>
</tr>
<tr>
<td></td>
<td>0.5 V [rms]</td>
</tr>
<tr>
<td>USB</td>
<td>USB 2.0 Type A connector x 1, DC 5 V / 500 mA (USB3.0 is not supported.)</td>
</tr>
</tbody>
</table>

### AUDIO

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speaker</td>
<td>8Ω , 20 W (10 W + 10 W) (10 % THD)</td>
</tr>
</tbody>
</table>

### ELECTRICAL

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Requirements</td>
<td>AC 110 - 127 V 50Hz/60Hz - AC 220 - 240 V, 50 Hz/60 Hz</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>300 W</td>
</tr>
<tr>
<td>On Mode Average Power Consumption</td>
<td>165 W</td>
</tr>
<tr>
<td>Power Off Condition</td>
<td>approx. 0 W</td>
</tr>
<tr>
<td>Stand-by Condition</td>
<td>approx. 0.5 W</td>
</tr>
<tr>
<td>Apparent power</td>
<td>312 W</td>
</tr>
</tbody>
</table>

*Based on IEC 62087 Ed.2 measurement method

### MECHANICAL

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimension (W x H x D)</td>
<td>1210.6 x 681.3 x 97.3 mm / 47.6&quot; x 26.82&quot; x 3.829&quot;</td>
</tr>
<tr>
<td>Weight</td>
<td>approx. 23.0 kg / approx. 50.7 lbs</td>
</tr>
<tr>
<td>Carton Dimensions (W x H x D)</td>
<td>1395 x 648 x 280 mm / 55.0&quot; x 23.4&quot; x 11.1&quot;</td>
</tr>
<tr>
<td>Gross Weight</td>
<td>24 kg / 750 lbs</td>
</tr>
<tr>
<td>Cabinet Material / Color</td>
<td>Metal / Black</td>
</tr>
<tr>
<td>Bezel Width</td>
<td>1 / B / R / L, 0.44 mm / 0.018&quot;</td>
</tr>
<tr>
<td>Pitch for Wall-Hanging</td>
<td>VESA Compliant 400 x 400 mm / 15.8&quot; x 15.8&quot;</td>
</tr>
</tbody>
</table>

*Installed by: M6 screws / Screw hole depth 12 mm / 0.47"

### INSTALLATION

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orientation</td>
<td>Landscape / Portrait</td>
</tr>
<tr>
<td>Tilting Angle</td>
<td>Landscape : 0 - 0 degrees forward / backward</td>
</tr>
<tr>
<td></td>
<td>Portrait : 0 - 0 degrees forward / backward</td>
</tr>
</tbody>
</table>

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55VF2HW_PKH_02_18/11/2019
MAIN FEATURE

DIGITAL LINK  YES
USB Media Player YES
Failover/Fallback YES
Data Cloning YES
Digital ZOOM YES
Multi display settings YES
Power on screen delay YES
Auto setting YES
Screen saver YES
HDMI/PC/DVI-D/DIGITAL LINK power management YES
Power save YES
Button lock YES
Controller user level YES
OSD Control YES
Input search YES
6-segment color management YES
Dynamic contrast YES
Color enhancement YES
Refine enhancer YES
Gradation smoother YES
Frame control YES
Reverse scan YES
Multi dynamic backlight YES
Set up timer YES
AMX D D YES
Crestron Connected YES
Extron XTP YES
WEB Browser control YES
PJLink YES
Multi Monitoring & Control Software compatible YES
Video Wall Manager YES
Long life mode / Auto brightness adjustment YES
Operating Time 24h / 7d

STANDARD (CERTIFICATIONS)

SAFETY REGULATIONS
UL 62368-1 2nd Edition
UL 60950-1 2nd Edition
CAN / CSA-C22.2 No 60950-1:07
IEC 62368-1 : 2014 (Second Edition)
EN 62368-1 : 2014 (Second Edition)
AS / NZS 60950.1 : 2011 Inc A1

RADIATION REGULATIONS
FCC 47 CFR, Part 15, Subpart B Class A
ICES-003
EN 55032 : 2012 + AC : 2013 Class A
EN 55022 : 2010
EN 55013 : 2013
EN 55024 : 2010
EN 61000-3-2 : 2014
EN 61000-3-3 : 2013
AZ / NRZ CISPR32

ENVIRONMENTAL

Operating Environment
Temperature 0℃ to 40℃ / 32° F to 104° F*
Humidity 10% to 90% (No condensation)
Altitude 0 to 2800 m

Storage Environment
Temperature -20℃ to 60℃ / -4° F to 140° F
Humidity 10% to 90% (No condensation)
*1: for up to 1400 m (4593 ft) altitude
*2: for between 1400 m (4593 ft) and 2800 (9186 ft) m altitude
Depending on the temperature or humidity conditions, uneven brightness may be observed. This is not a malfunction.
This unevenness will disappear while applying current continuously. If not, consult the distributor.

INCLUDED ACCESSORIES
- AC cord 2.0 m (79")
- Remote Control
- External IR Receiver (Approx. 1.8 m (70.9")
- LAN Cable (CAT5e) (Approx. 2.0 m (79")
- Batteries (AAA size) x 2
- Clamper x 3
- CD-ROM/User manual
- Operating instruction book

OPTIONAL ACCESSORIES
- Installation Mount TY-VK55LV2
- Auto Display Adjustment Upgrade Kit TY-VUK10
- Early Warning Software ET-SWA100 series

REMOTE CONTROL TRANSMITTER
Power Requirements DC 3 V (2 x AAA Size batteries)
Operating distance approx. 7 m / 23 ft*
Weight approx. 102 g / 4.1 oz including batteries
Dimensions (W x H x D) 48 x 145 x 27 mm / 1.9" x 5.7" x 1.1"
* When operated directly in front of receptor.

DIMENSIONS

CONNECTION TERMINAL

* Specifications and appearance are subject to change without notice.
### List of correspondence signals

The picture signal which can indicate this machine is as it is the following table.

<table>
<thead>
<tr>
<th>Correspondence signal</th>
<th>Resolution (dot)</th>
<th>Scan rate</th>
<th>Vertical (Hz)</th>
<th>Dot clock rate (MHz)</th>
<th>Format</th>
</tr>
</thead>
<tbody>
<tr>
<td>525i (480i)</td>
<td>720 x 480</td>
<td>15.73</td>
<td>59.94</td>
<td>13.50</td>
<td>R/Y</td>
</tr>
<tr>
<td>525p (480p)</td>
<td>720 x 480</td>
<td>15.73</td>
<td>59.94</td>
<td>13.50</td>
<td>R/Y</td>
</tr>
<tr>
<td>625i (576i)</td>
<td>720 x 576</td>
<td>15.63</td>
<td>50.00</td>
<td>13.50</td>
<td>R/Y</td>
</tr>
<tr>
<td>625p (576p)</td>
<td>720 x 576</td>
<td>15.63</td>
<td>50.00</td>
<td>13.50</td>
<td>R/Y</td>
</tr>
<tr>
<td>720 (720) /60i</td>
<td>720 x 720</td>
<td>45.00</td>
<td>60.00</td>
<td>13.50</td>
<td>D/H/P/DP/DL</td>
</tr>
<tr>
<td>720 (720) /50i</td>
<td>720 x 720</td>
<td>37.50</td>
<td>50.00</td>
<td>74.25</td>
<td>R/Y/D/H/P/DP/DL</td>
</tr>
<tr>
<td>1125 (1080) /60i</td>
<td>1920 x 1080</td>
<td>33.75</td>
<td>60.00</td>
<td>74.25</td>
<td>R/Y/D/H/P/DP/DL</td>
</tr>
<tr>
<td>1125 (1080) /50i</td>
<td>1920 x 1080</td>
<td>27.00</td>
<td>50.00</td>
<td>74.25</td>
<td>R/Y/D/H/P/DP/DL</td>
</tr>
<tr>
<td>525i (480i) /24p</td>
<td>720 x 1440</td>
<td>27.00</td>
<td>50.00</td>
<td>74.25</td>
<td>R/Y/D/H/P/DP/DL</td>
</tr>
<tr>
<td>625i (576i) /24p</td>
<td>720 x 1440</td>
<td>27.00</td>
<td>50.00</td>
<td>74.25</td>
<td>R/Y/D/H/P/DP/DL</td>
</tr>
<tr>
<td>525p (480p) /24p</td>
<td>720 x 1440</td>
<td>27.00</td>
<td>50.00</td>
<td>74.25</td>
<td>R/Y/D/H/P/DP/DL</td>
</tr>
<tr>
<td>625p (576p) /24p</td>
<td>720 x 1440</td>
<td>27.00</td>
<td>50.00</td>
<td>74.25</td>
<td>R/Y/D/H/P/DP/DL</td>
</tr>
</tbody>
</table>

- **List of correspondence signals**
- The signal format distinguished automatically will be sometimes indication different from an actual input signal.
- *1: When 1125 (1035) /60i signal is input, it is displayed as 1125 (1080) /60i signal.
- *2: Pixel-Repetition signal (dot clock frequency 27.0 MHz) only
- *3: Displayed with image elements thinned out in the image processing circuit.
- *4: Based on VESA CVT-RB (Reduced Blankinig) standard
- *5: Not supported when "DIGITAL LINK mode" is set to "Long reach"

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Drawing of terminals

View from back

Magnified figure of terminal b

Magnified figure of terminal a

Sectional view of terminal a
(USB / HDMI / DisplayPort / DVI-D IN / DVI-D OUT / DIGITAL LINK LAN IN / DIGITAL LINK LAN OUT / PC IN / AUDIO1 IN)

Terminal a

55VF2HW Terminal (Bottom) Units: mm (inch)

<table>
<thead>
<tr>
<th></th>
<th>USB</th>
<th>HDMI</th>
<th>DisplayPort</th>
<th>DVI-D</th>
<th>DIGITAL LINK LAN</th>
<th>PC IN</th>
<th>AUDIO1 IN</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>15.0 (0.59)</td>
<td>14.4 (0.57)</td>
<td>14.4 (0.57)</td>
<td>16.0 (0.63)</td>
<td>16.0 (0.63)</td>
<td>17.2 (0.68)</td>
<td>17.5 (0.69)</td>
</tr>
<tr>
<td>B</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5.5 (0.22)</td>
<td></td>
<td>5.1 (0.2)</td>
</tr>
<tr>
<td>C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>42.9 (1.69)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sectional view of terminal b
(IR OUT / IR IN / SERIAL IN / SERIAL OUT / AUDIO IN / AUDIO OUT )

Terminal b

55VF2HW Terminal (Side) Units: mm (inch)

<table>
<thead>
<tr>
<th></th>
<th>IR</th>
<th>SERIAL</th>
<th>AUDIO</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>15.5 (0.61)</td>
<td>15.2 (0.6)</td>
<td>11.9 (0.47)</td>
</tr>
<tr>
<td>B</td>
<td>2.0 (0.08)</td>
<td>4.5 (0.18)</td>
<td>8.5 (0.33)</td>
</tr>
<tr>
<td>C</td>
<td>37.9 (1.49)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Due to the construction of terminal, some types of connecting cable or USB memory device cannot be used. Be sure to use connecting cable or USB memory device after confirmation in this drawing.