Product Description

Display Resolution
- V554: 1920 x 1080 at 60Hz
- P554: 3840 x 2160 at 30Hz

Maximum Supported Resolution
- V554: 1920 x 1080 at 60Hz
- P554: 3840 x 2160 at 30Hz

Power Consumption (Typical)
- V554: 110W
- P554: 125W

Power Consumption (Max Brightness)
- V554: 150W
- P554: 175W

Power Consumption (Overall Max)*
- V554: 300W
- P554: 320W

BTU's (Typical)
- V554: 375.33 BTU/hr
- P554: 426.52 BTU/hr

BTU's (Max Brightness)
- V554: 511.82 BTU/hr
- P554: 597.12 BTU/hr

BTU's (Overall Max)*
- V554: 1023.64 BTU/hr
- P554: 1091.89 BTU/hr

Net Dimensions
- V554: 49.0 x 28.1 x 2.5 in. / 1244.0 x 714.8 x 62.9mm
- P554: 54.2lbs. / 24.6kg

*Overall Max refers to when the unit is at max brightness and the following features are also active: OPS Slot, External Speaker, Raspberry Pi Compute Module Slot

NOTES:

- This document is intended to be used as a reference guide to supply useful information for a design or installation. It is not intended to be a step-by-step procedure for installation.
- Any ceilings or walls must be strong enough to support the monitor and the installation must be in accordance with any local building codes. All mounts should make secure contact to wood studs.
- 4:3 sources can be displayed on the 16:9 screen in either normal aspect ratio with bars on the left or right, or stretched horizontally to fill the screen using the menus (see “Aspect Modes” in menus and user manual).
- Distances are in inches, for millimeters multiply by 25.4.

Tilt Angle and Rotation

Monitor may be angled and rotated from normal landscape and portrait orientation to both face up and face down positioning. Rotate only clockwise for portrait orientation.
Ventilation Recommendations:
Dimensions below are recommended for proper ventilation when the unit is in a recessed area.

Operating Temperature:
Landscape: 0–50°C, 32–122°F
Portrait: 0–50°C, 32–122°F

NOTE:
The ventilation space should not be covered or closed off at the front of the opening. If for some reason the opening needs to be covered, other means of ventilation will need to be incorporated into the design. Contact NEC for design review and recommendations.
Display dimensions:
Display dimensions (cont.):
Display Dimensions (with ST-401 stand):

NOTE:
The ST-401 optional stand attaches to the VESA hole pattern on the back of the display and can be set so the display is either 30mm or 50mm from the tabletop.
Optional Table Top Stand Dimensions (ST-401):

NOTE:
The Pole of the ST-401 stand connects directly to the VESA hole pattern on the back of the display.
Dimensions of Optional Wall Mount Kit (WMK-4655S):

- Max Vertical VESA Hole Pattern: 400mm
- Max Horizontal VESA Hole Pattern: 600mm
- Extension Brackets for Vertical VESA Patterns over 200mm
- Fully Open
- Max Tilt

1. Dimensions and specifications for the optional wall mount kit are provided, including measurements for vertical and horizontal hole patterns.
2. The extension brackets allow for vertical VESA patterns exceeding 200mm.
3. The diagram illustrates the fully open and max tilt positions of the mount.
Compute Module Integration:

- Door on the back of the display can be opened by loosening captive screws.
- Separate IO Board is necessary to accompany RPi Compute Module in unit
Control Codes:

<table>
<thead>
<tr>
<th>Function (Monitor ID = 1)</th>
<th>Code Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power ON</td>
<td>01 30 41 30 41 30 43 02 43 22 30 33 44 36 30 30 30 31 03 73 0d</td>
</tr>
<tr>
<td>Power OFF</td>
<td>01 30 41 30 41 30 43 02 43 02 30 33 34 36 30 30 30 34 03 70 0d</td>
</tr>
<tr>
<td>Input Source Select DisplayPort1</td>
<td>01 30 41 30 45 30 41 02 30 30 30 30 30 30 30 30 30 04 03 0d</td>
</tr>
<tr>
<td></td>
<td>or 01 30 41 30 45 30 41 02 31 31 31 30 30 30 30 30 04 03 0d</td>
</tr>
<tr>
<td>Input Source Select DisplayPort2</td>
<td>01 30 41 30 45 30 41 02 30 30 30 30 30 30 30 30 31 03 73 0d</td>
</tr>
<tr>
<td></td>
<td>or 01 30 41 30 45 30 41 02 31 31 31 30 30 30 30 30 03 73 0d</td>
</tr>
<tr>
<td>Input Source Select DVI</td>
<td>01 30 41 30 45 30 41 02 30 30 30 30 30 30 30 30 33 03 71 0d</td>
</tr>
<tr>
<td></td>
<td>or 01 30 41 30 45 30 41 02 31 31 31 30 30 30 30 30 03 71 0d</td>
</tr>
<tr>
<td>Input Source Select HDMI1</td>
<td>01 30 41 30 45 30 41 02 30 30 30 30 30 30 30 30 31 03 72 0d</td>
</tr>
<tr>
<td></td>
<td>or 01 30 41 30 45 30 41 02 31 31 31 30 30 30 30 30 03 72 0d</td>
</tr>
<tr>
<td>Input Source Select HDMI2</td>
<td>01 30 41 30 45 30 41 02 30 30 30 30 30 30 30 30 31 03 72 0d</td>
</tr>
<tr>
<td></td>
<td>or 01 30 41 30 45 30 41 02 31 31 31 30 30 30 30 30 03 72 0d</td>
</tr>
<tr>
<td>Input Source Select VGA (RGB)</td>
<td>01 30 41 30 45 30 41 02 30 30 30 30 30 30 30 30 30 03 73 0d</td>
</tr>
<tr>
<td>Input Source Select VGA (YPbPr)</td>
<td>01 30 41 30 45 30 41 02 30 30 30 30 30 30 30 30 30 03 01 0d</td>
</tr>
<tr>
<td>Input Source Select VIDEO</td>
<td>01 30 41 30 45 30 41 02 30 30 30 30 30 30 30 30 30 03 77 0d</td>
</tr>
<tr>
<td>Input Source Select MP</td>
<td>01 30 41 30 45 30 41 02 30 30 30 30 30 30 30 30 30 03 70 0d</td>
</tr>
<tr>
<td></td>
<td>or 01 30 41 30 45 30 41 02 31 31 31 30 30 30 30 30 03 70 0d</td>
</tr>
<tr>
<td>Input Source Select OPTION</td>
<td>01 30 41 30 45 30 41 02 30 30 30 30 30 30 30 30 30 03 06 0d</td>
</tr>
<tr>
<td></td>
<td>or 01 30 41 30 45 30 41 02 31 31 31 30 30 30 30 30 03 06 0d</td>
</tr>
<tr>
<td>Sound Mute ON</td>
<td>01 30 41 30 45 30 41 02 30 30 30 30 30 30 30 30 31 03 09 0d</td>
</tr>
<tr>
<td>Sound Mute OFF</td>
<td>01 30 41 30 45 30 41 02 30 30 30 30 30 30 30 30 31 03 0a 0d</td>
</tr>
</tbody>
</table>

NOTE: Contact your NEC rep for codes not listed.

Cable Connection:

Communication Protocol:

- Interface: RS-232C
- Communication System: Asynchronous
- Baud Rate: 9600 bps
- Data Length: 8 bits
- Parity: None
- Stop Bit: 1 bit
- Communication Code: ASCII

NOTE: If so desired, jumper “Request to send” and “Clear to Send” together on both ends of the cable to simplify cable connection. These connections are not required. The only connections required are pins 2 (TxD), 3 (RxD) and 5 (GND).
Input Panel (Bottom)

Input Panel (Side - Rotated)

Browser Control

Information and control can also be available through the HTTP browser control menu. In order to accomplish this, type: 

http://the Monitor's IP address/pd_index.html

Note that the LAN Power needs to be turned on in order for the display to be controlled while the units are off.

All displays are set to the IP address 192.168.0.10 as default. Note that Media Player has separate IP Address menu that can be accessed from the Monitor's menu or directly using separate IP Address. IP Address for Media Player is set to 192.168.0.110 for default configuration.

Communicating network PC needs to be on the same subnet as display that is being communicated with.