

UN551S/UN551VS Installation Guide

55" LED LCD Display

Rev 1.0

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Product

| | UN551S | UN551VS |
|---|---|----------------|
| Display Resolution | 1920 x 1080 at 60Hz | |
| Maximum Supported Resolution | 3840 x 2160 at 30Hz | |
| Power Consumption (Typical - Single Display) | 180W | 140W |
| Power Consumption (Max - Single Display) | 365W | 295W |
| BTU's (Typical - Single Display) | 614.19 BTU/hr | 477.70 BTU/hr |
| BTU's (Max - Single Display) | 1245.43 BTU/hr | 1006.58 BTU/hr |
| Net Dimensions | 47.7 x 26.9 x 3.9 in. / 1211.4 x 682.2 x 98.8mm | |
| Net Weight | 57.3lbs. / 26.0kg | |

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.
- Distances may vary $\pm 5\%$.

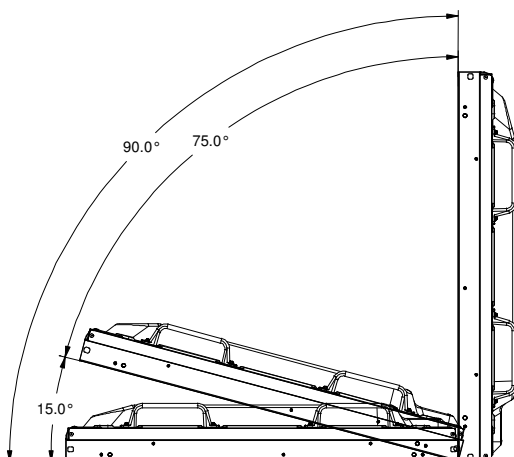
Tilt Angle and Rotation

These units can be utilized in face down orientation in portrait or landscape if necessary

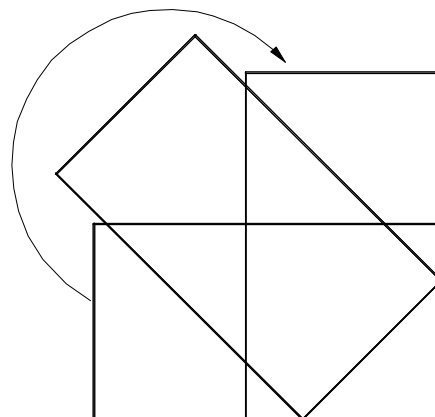
From 0 degrees (upright) to 75 degrees, the fans must be on HIGH and the ambient temperature must be $<40^{\circ}\text{C}$

For 75 degrees to 90 degrees (face down), the fans must be on HIGH and the ambient temperature must be $<35^{\circ}\text{C}$

Landscape 20deg



Clockwise Rotation Only



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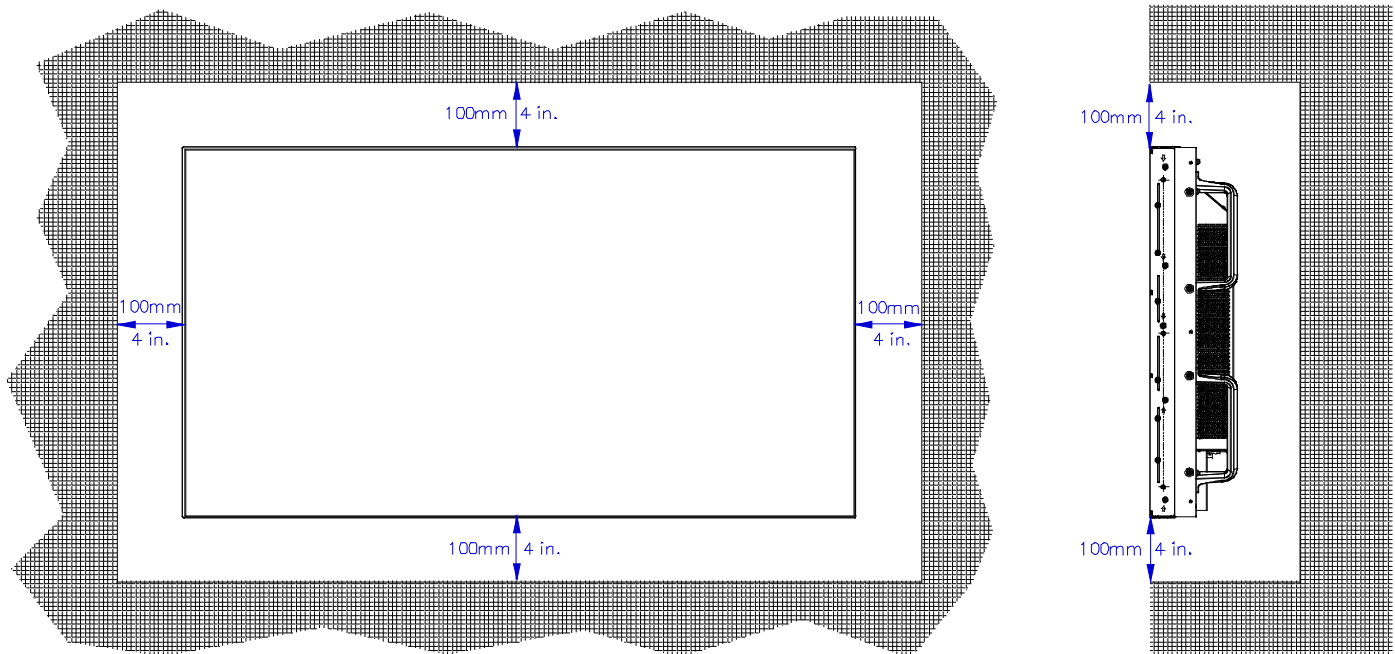
Ventilation Recommendations (all models)

Dimensions below are minimum required for proper ventilation.

Ventilation Requirements:

Landscape: 5° to 40° C

Portrait: 5° to 40° C
(41° to 104° F)



NOTE:

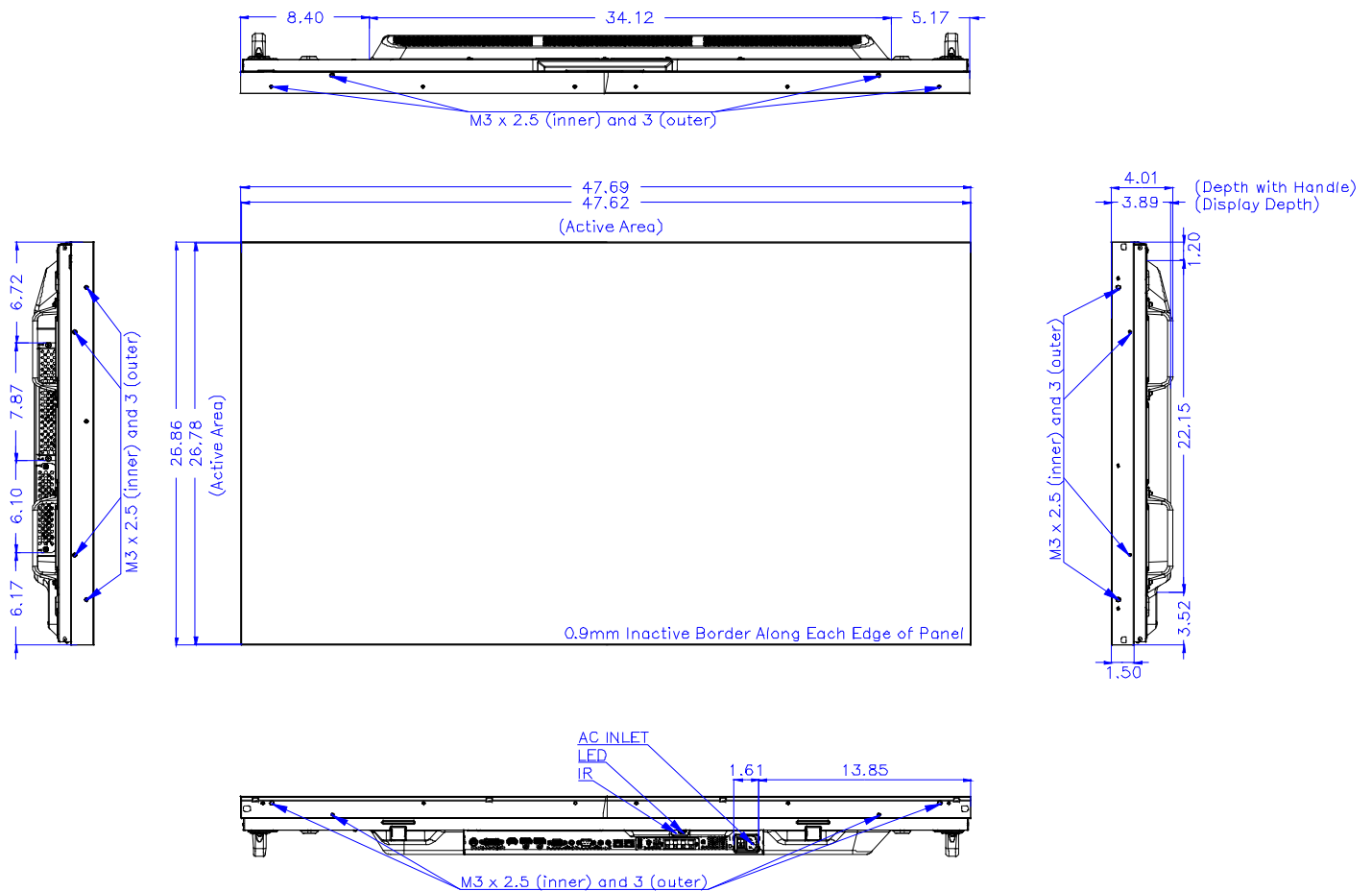
- The ventilation space should not be covered or closed off at the front of the opening. If for some reason the opening needs to be covered, other means of ventilation will need to be incorporated into the design. Contact NEC for design review and recommendations.

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Display dimensions



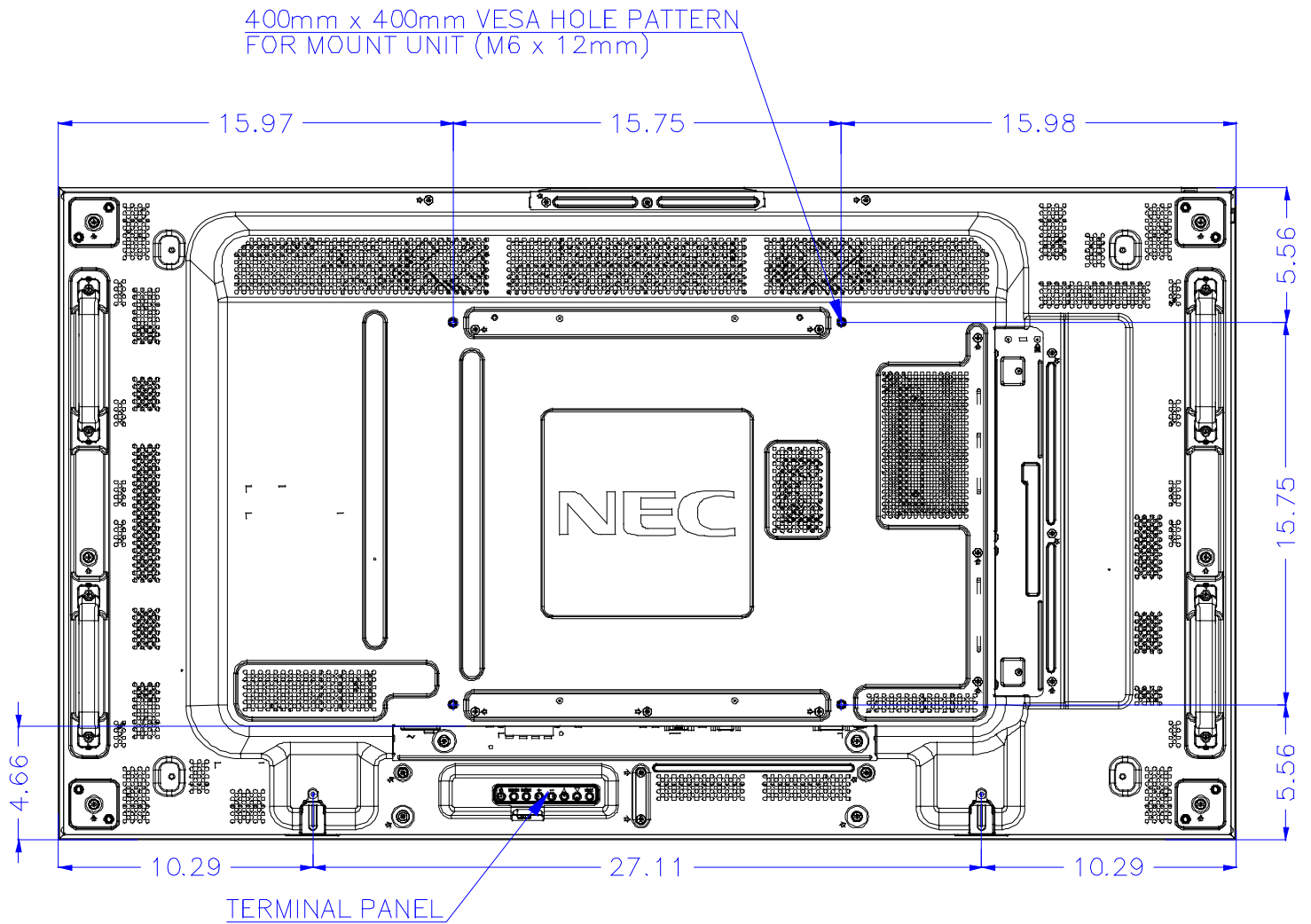
Note: This product is not symmetrical.

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Display dimensions (cont.)

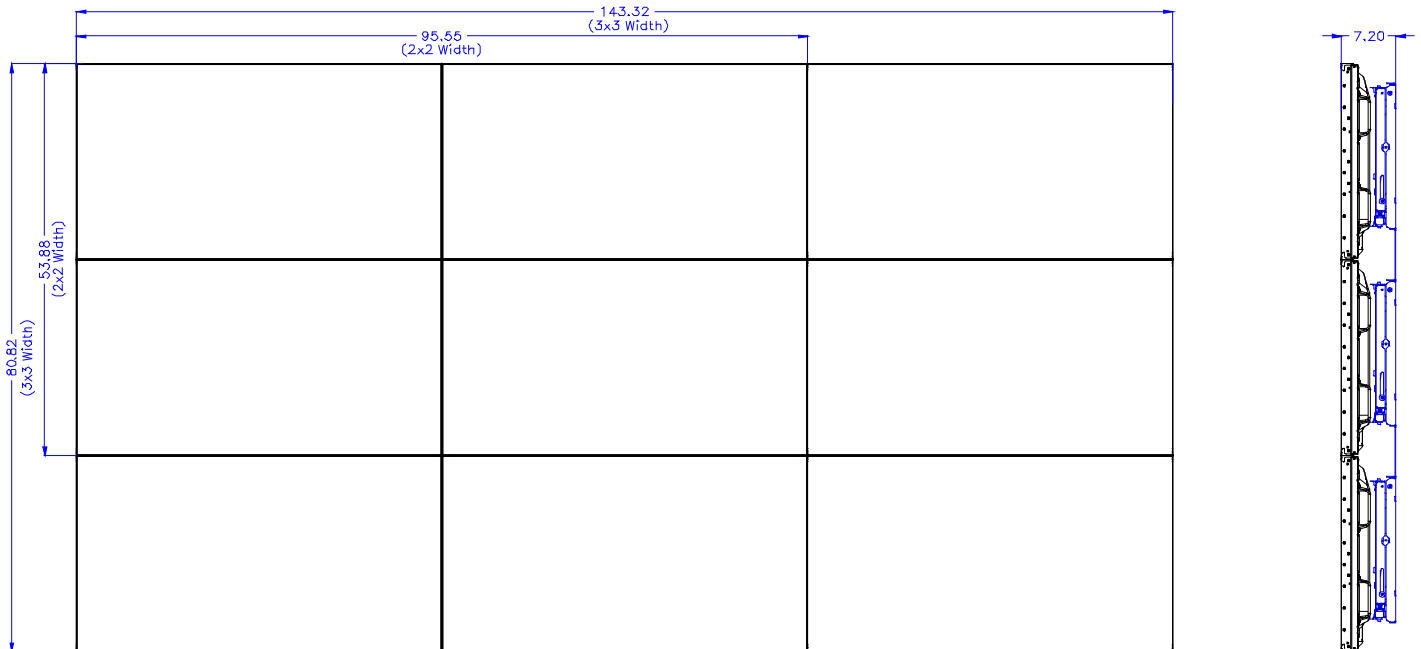


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X554UN-TMX4P and X554UN-TMX9P Outer Dimensions with Peerless DS-VW765-LAND



Note: KT-55UN-OF3 Overframe Bezel Kit not pictured

Input Panel (Bottom)



- Red circles in the above interface connections signify the IN of that particular connector. Blue circles in the above interface representations signify the OUT for that particular connector.

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Control Codes

| Function (Monitor ID = 1) | Code Data |
|---------------------------------|--|
| Power ON | 01 30 41 30 41 30 43 02 43 32 30 33 44 36 30 30 30 31 03 73 0d |
| Power OFF | 01 30 41 30 41 30 43 02 43 32 30 33 44 36 30 30 30 34 03 76 0d |
| Input Source Select DisplayPort | 01 30 41 30 45 30 41 02 30 30 36 30 30 30 30 46 03 04 0d |
| Input Source Select DVI | 01 30 41 30 45 30 41 02 30 30 36 30 30 30 30 33 03 71 0d |
| Input Source Select VGA | 01 30 41 30 45 30 41 02 30 30 36 30 30 30 30 31 03 73 0d |
| Input Source Select HDMI | 01 30 41 30 45 30 41 02 30 30 36 30 30 30 31 31 03 72 0d |
| Input Source Select Y/Pb/Pr | 01 30 41 30 45 30 41 02 30 30 36 30 30 30 30 43 03 01 0d |
| Input Source Select VIDEO | 01 30 41 30 45 30 41 02 30 30 36 30 30 30 30 35 03 77 0d |
| Input Source Select S-VIDEO | 01 30 41 30 45 30 41 02 30 30 36 30 30 30 30 37 03 75 0d |
| Input Source Select OPTION | 01 30 41 30 45 30 41 02 30 30 36 30 30 30 30 44 03 06 0d |
| Sound Mute ON | 01 30 41 30 45 30 41 02 30 30 38 44 30 30 30 31 03 09 0d |
| Sound Mute OFF | 01 30 41 30 45 30 41 02 30 30 38 44 30 30 30 32 03 0a 0d |

NOTE: Contact your NEC rep for codes not listed.

NOTE: Use a cross/reverse/null modem cable.

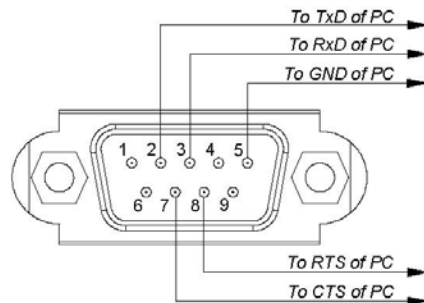
Cable Connection

Communication Protocol:

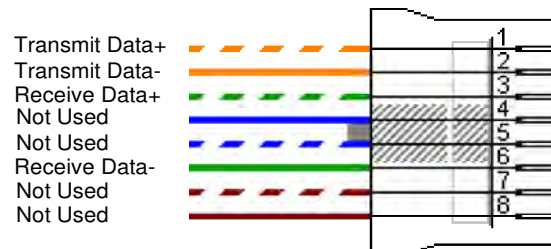
Interface: RS-232C
 Communication: Asynchronous
 Baud Rate: 9600 bps
 Data Length: 8 bits
 Parity: None
 Stop Bit: 1 bit
 Communication Code: Hex

Interface: TCP/IP (Ethernet)
 Communication Layer: Transport Layer (TCP)
 IP Address: 192.168.0.10 (Default)
 Port Number: 7142 (Fixed)

PC Control Connector (D-Sub 9P)



LAN Connector



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)

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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 out of the box

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



UN551S OPTION

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[UPDATE FIRMWARE](#)

HOME

Welcome to the management and configuration web interface.
You can use the navigation menus on the left to access additional pages.

MONITOR INFORMATION

| | |
|------------|------------|
| MODEL NAME | P553 |
| SERIAL | 3Y000304NA |

FIRMWARE VERSION

| | |
|-----------|---------|
| FIRMWARE1 | 1.031ED |
| FIRMWARE2 | 1.006 |

ETHERNET

| | |
|-----------------|-------------------|
| MAC ADDRESS | 58:C2:32:DC:F8:BA |
| IPv4 ADDRESS | 192.168.0.14 |
| SUBNET MASK | 255.255.255.0 |
| DEFAULT GATEWAY | 0.0.0.0 |
| DNS PRIMARY | 0.0.0.0 |
| DNS SECONDARY | 0.0.0.0 |

ID

| | |
|------------|---|
| MONITOR ID | 1 |
| GROUP ID | |

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