NEC

NEC Display Solutions of America, Inc.

X551UHD Installation Guide
55" LCD Display   Rev 1.0

Contents:

Product Description:

Type:	LCD Display		
Resolution:	3840 x 2160	Dimensions without stand:	49.2" (W) x 28.4" (L) x 3.1" (D)
Aspect Ratio:	16:9	Dimensions with stand:	49.2"(W) x 29.9"(H) x 15.7"(D)
FCC:	Class B	Weight without stand:	63.3 lbs
Power Consumption:	190W (max with no speaker/OPS slot)	Weight with stand:	68.1 lbs
BTU's:	1706.07 BTU/hour		

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 ±5%.

Tilt Angle and Rotation:

- Below is the maximum angle the monitor can be tilted. Note that the monitor can only be tilted in the landscape position.

Clockwise Rotation Only

Face Up/Face Down
Brightness Setting must not exceed 70
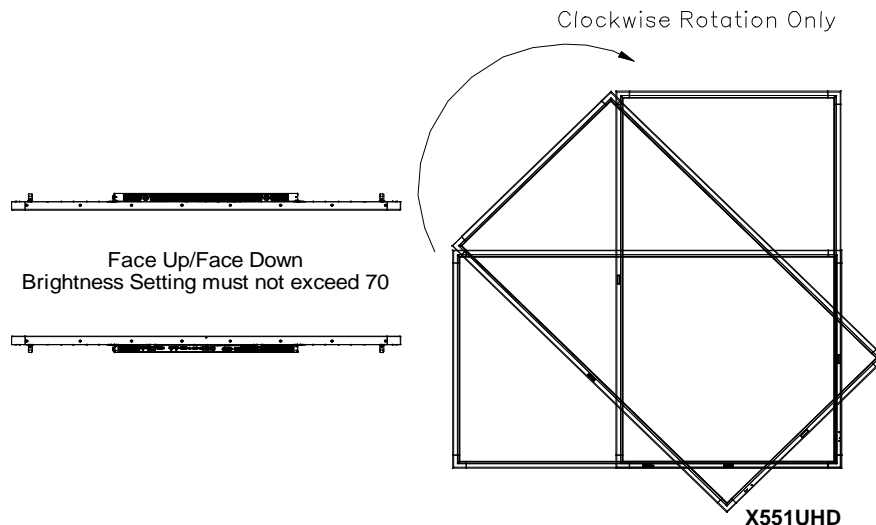
Ventilation Recommendations:

Dimensions below are minimum required for proper ventilation.

10cm (4in.)

10cm (4in.)

10cm (4in.)

10cm (4in.)
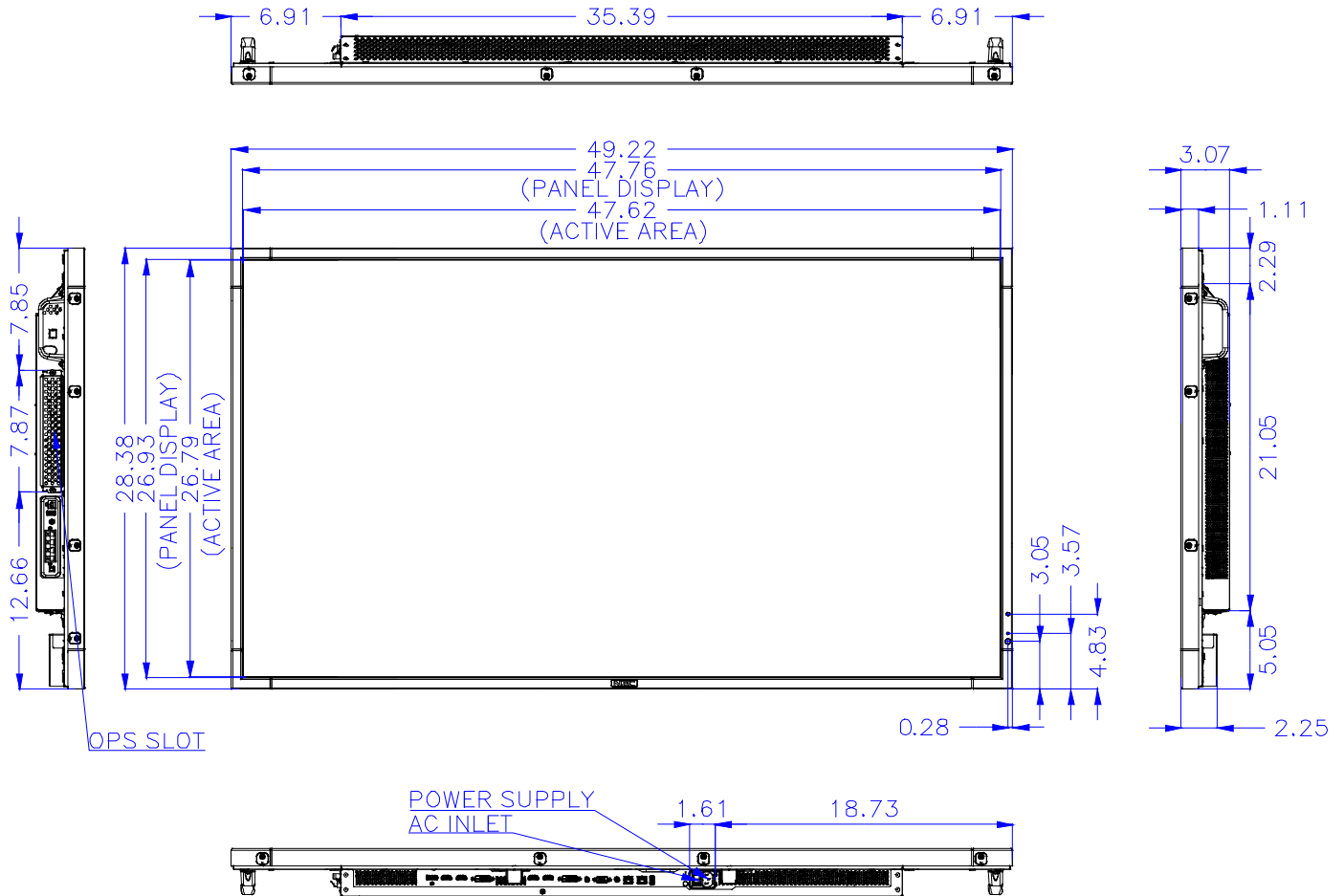
10cm (4in.)

10cm (4in.)
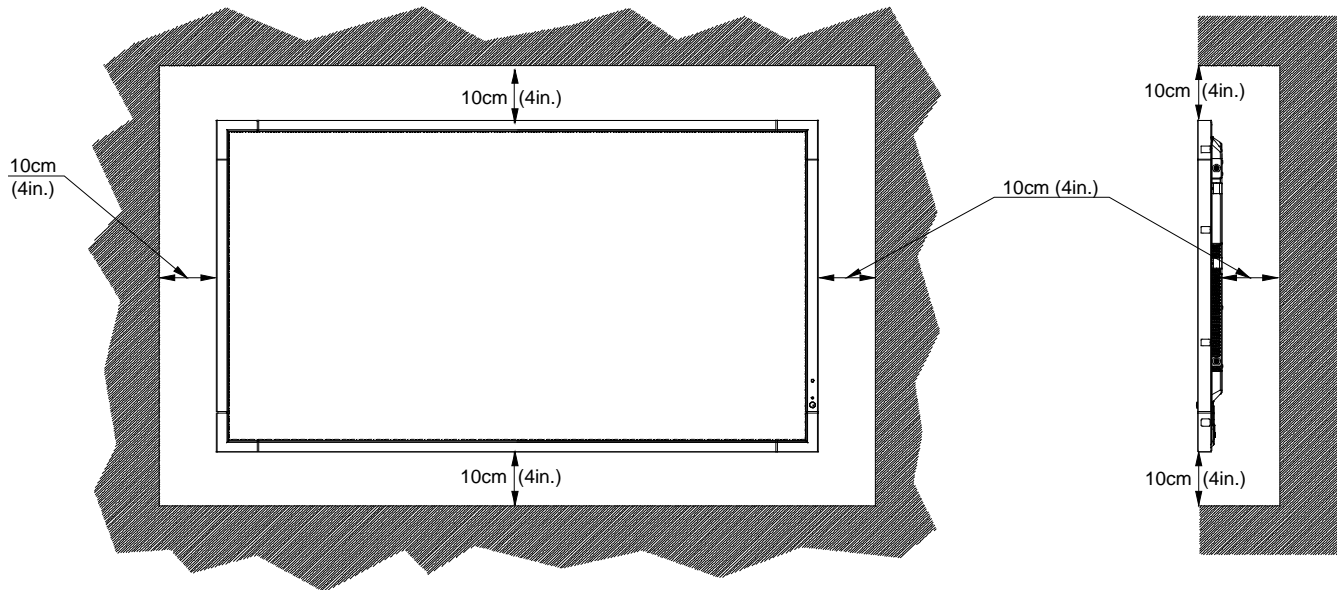
NOTE:

- 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.):

400mm MOUNTING HOLE PATTERN
FOR MOUNT UNIT (M6 Depth 16mm)

16.74   15.75   16.74

6.32

15.75

6.32

5.05

17.84   13.55   17.84

TERMINAL PANEL

Unit   No gap   Mounting Bracket

No thread
5 mm

Washers

under φ 10.0 mm

Screw

15-17 mm

Thickness
of bracket
and washers

Table Top Stand Dimensions (ST-5220):
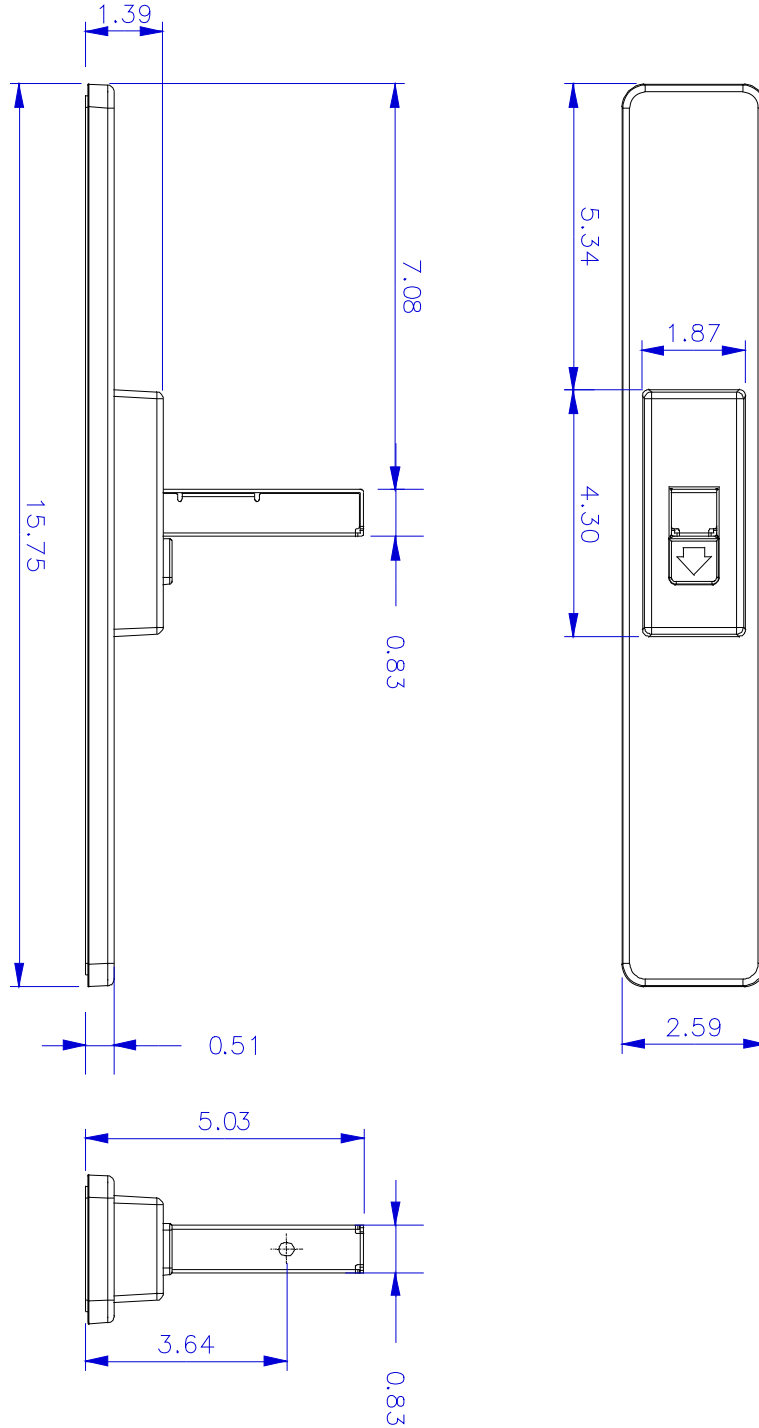
Optional Speaker Dimensions (SP-TF1)
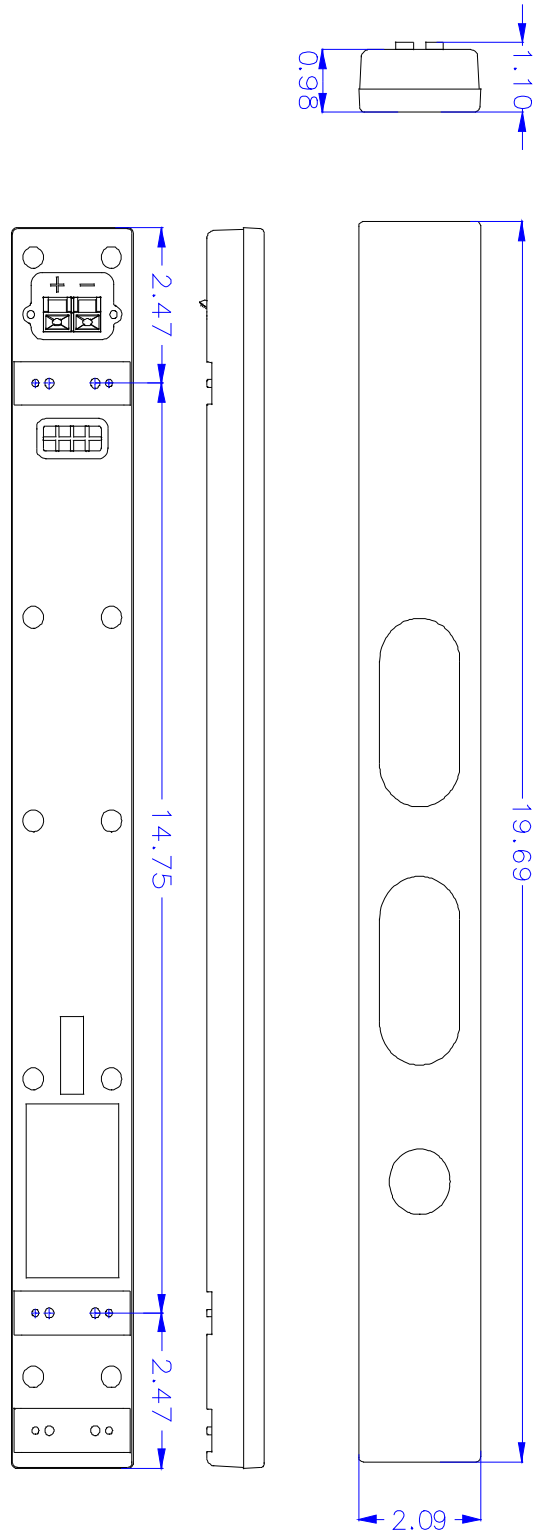
Optional Speaker Dimensions including holder (SP-RM1):

2.44

0.75

7.38

2.96

5.81

INPUT TERMINAL

7.38

5.26

2.96
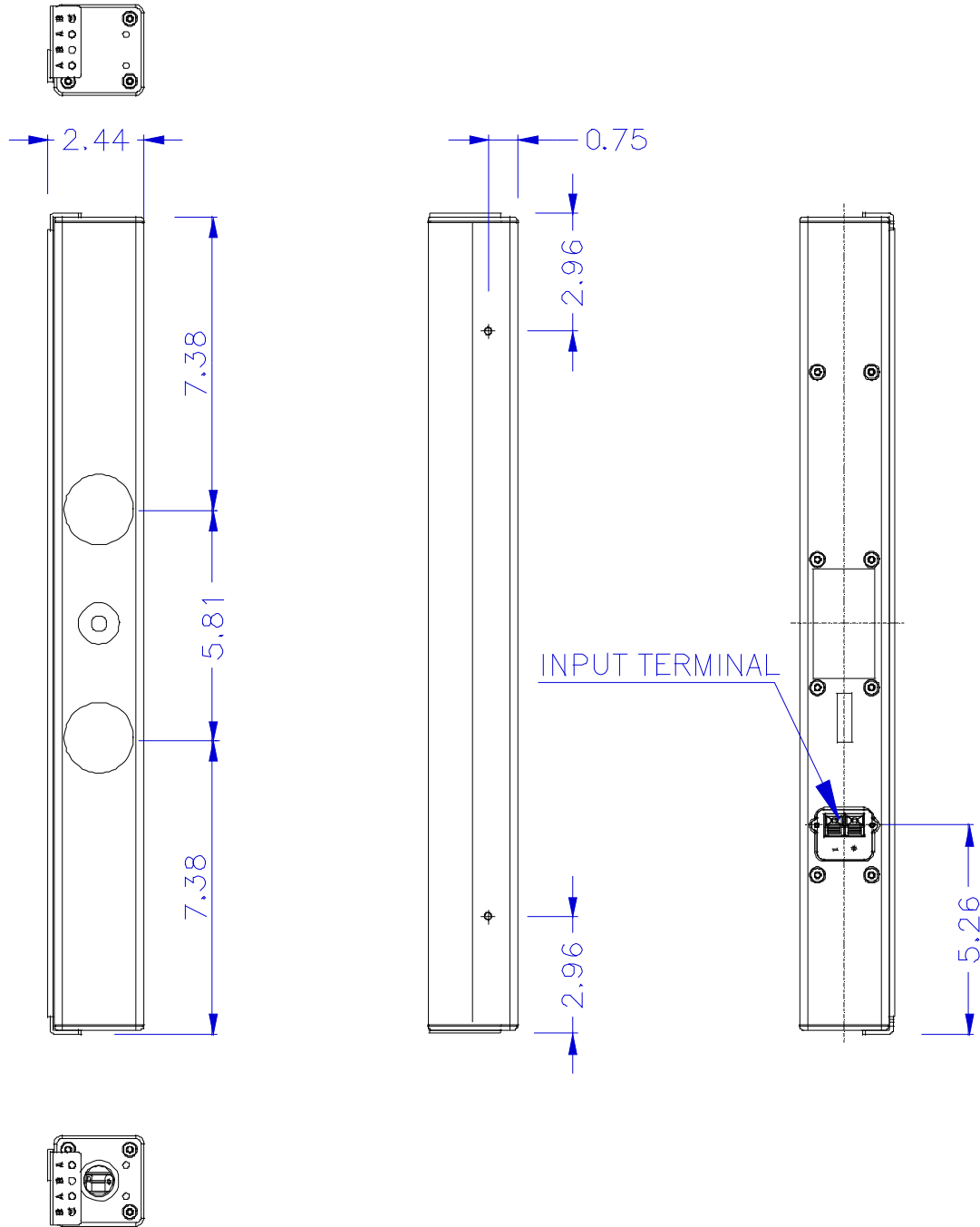
Input Panel:

Bottom

Side (Rotated)

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 or 01 30 41 30 45 30 41 02 31 31 30 36 30 30 30 46 03 04 0d
Input Source Select DVI1	01 30 41 30 45 30 41 02 30 30 36 30 30 30 30 33 03 71 0d or 01 30 41 30 45 30 41 02 31 31 30 36 30 30 30 33 03 71 0d
Input Source Select DVI2	01 30 41 30 45 30 41 02 30 30 36 30 30 30 30 34 03 76 0d or 01 30 41 30 45 30 41 02 31 31 30 36 30 30 30 34 03 76 0d
Input Source Select HDMI1	01 30 41 30 45 30 41 02 30 30 36 30 30 30 31 31 03 72 0d or 01 30 41 30 45 30 41 02 31 31 30 36 30 30 31 31 03 72 0d
Input Source Select HDMI2	01 30 41 30 45 30 41 02 30 30 36 30 30 30 31 32 03 71 0d or 01 30 41 30 45 30 41 02 31 31 30 36 30 30 31 32 03 71 0d
Input Source Select HDMI3	01 30 41 30 45 30 41 02 31 31 30 36 30 30 38 32 03 78 0d
Input Source Select HDMI4	01 30 41 30 45 30 41 02 31 31 30 36 30 30 38 33 03 79 0d
Input Source Select OPTION	01 30 41 30 45 30 41 02 30 30 36 30 30 30 30 44 03 06 0d or 01 30 41 30 45 30 41 02 31 31 30 36 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

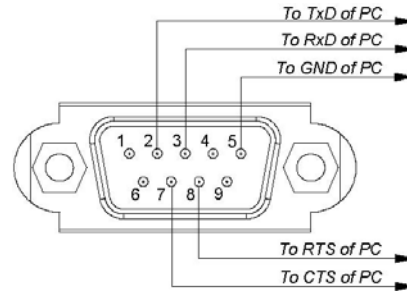**NOTE:** *Contact your NEC representative for codes not listed.*

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

To TxD of PC
To RxD of PC
To GND of PC
To RTS of PC
To CTS of PC

Interface:	Ethernet (CSMA/CD
Communication System:	TCP/IP (Internet Protocol Suite)
Communication Layer:	Transport layer (TCP)
IP Address:	192.168.0.10 (default out of box)
Port Number:	7142 (Fixed)

Transmit Data+
Transmit Data-
Receive Data+
Not Used
Not Used
Receive Data-
Not Used
Not Used
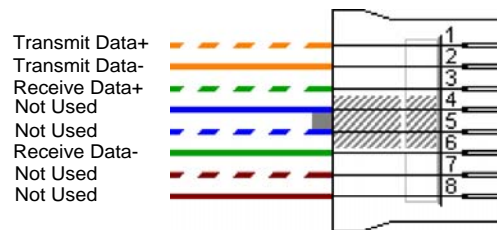
Browser Control

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

NEC X841UHD HDMI1

HOME	**HOME**
REMOTE CONTROL	Welcome to the management and configuration web interface. You can use the navigation menus on the left to access additional pages.
PICTURE ADJUST AUDIO SCHEDULE MULTI PICTURE CONTROL OSD MULTI DISPLAY DISPLAY PROTECTION EXTERNAL CONTROL ADVANCED OPTION1 ADVANCED OPTION2	

MONITOR INFORMATION

MODEL NAME	X841UHD
SERIAL	45500005TA

FIRMWARE VERSION

FIRMWARE1	0.017
FIRMWARE2	0.008
FIRMWARE3	0.011
FIRMWARE4	0.002

Left menu (continued): NETWORK MAIL SNMP AMX CRESTRON NAME NETWORK PASSWORD PD LIST MEMO UPDATE FIRMWARE PORT UPDATE FIRMWARE(ALL)

ETHERNET

MAC ADDRESS	58:C2:32:33:00:03
IPv4 ADDRESS	192.168.0.10
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

Note: Above browser control states X841UHD but is consistent with the X551UHD.