NEC

NEC Display Solutions of America, Inc.

UN551S/UN551VS Installation Guide
55" LED LCD Display   Rev 1.0

Contents

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.
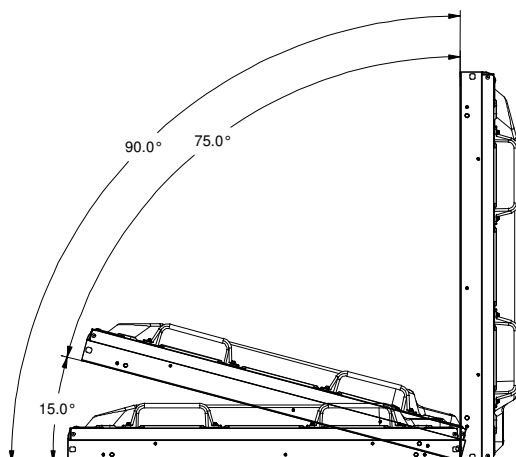- Distances may vary ±5%.

Tilt Angle and Rotation

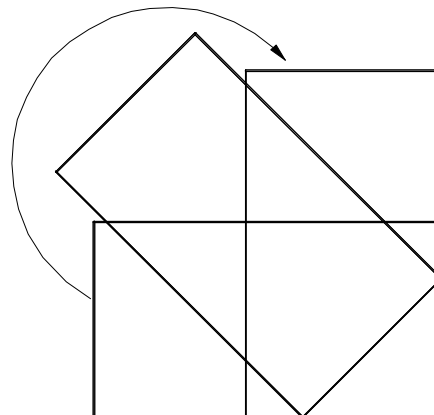These units can be utilized in face down orientation in portrait or landscape if necessary
From 0 degrees (upright) to 75 degrees, the fans must be on HIGH and the ambient temperature must be <40C
For 75 degrees to 90 degrees (face down), the fans must be on HIGH and the ambient temperature must be <35C
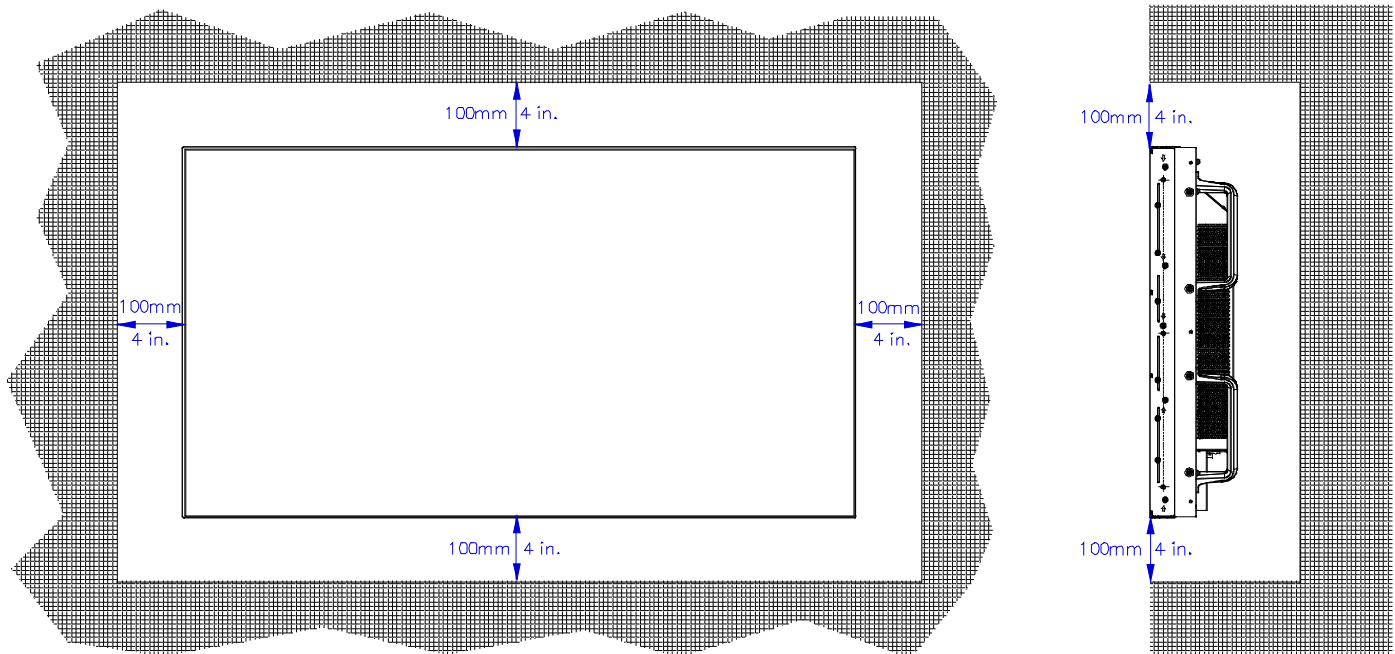Landscape 20deg

Clockwise Rotation Only

Ventilation Recommendations (all models)

Dimensions below are minimum required for proper ventilation.

Ventilation Requirements:
Landscape: 5° to 40° C
Portrait: °5 to 40° C
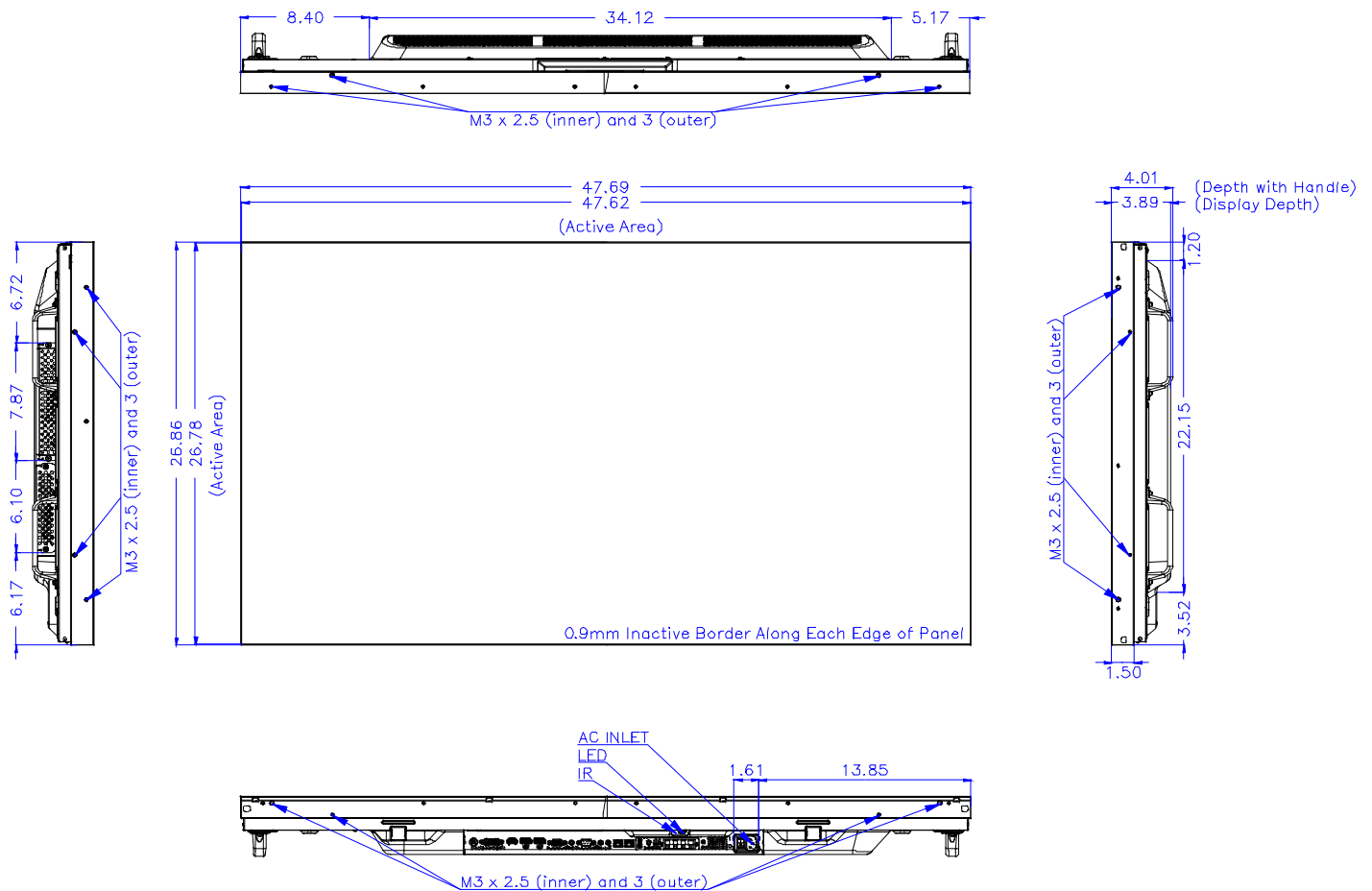(41° to 104°F)

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.

UN551S/UN551VS Installation Guide
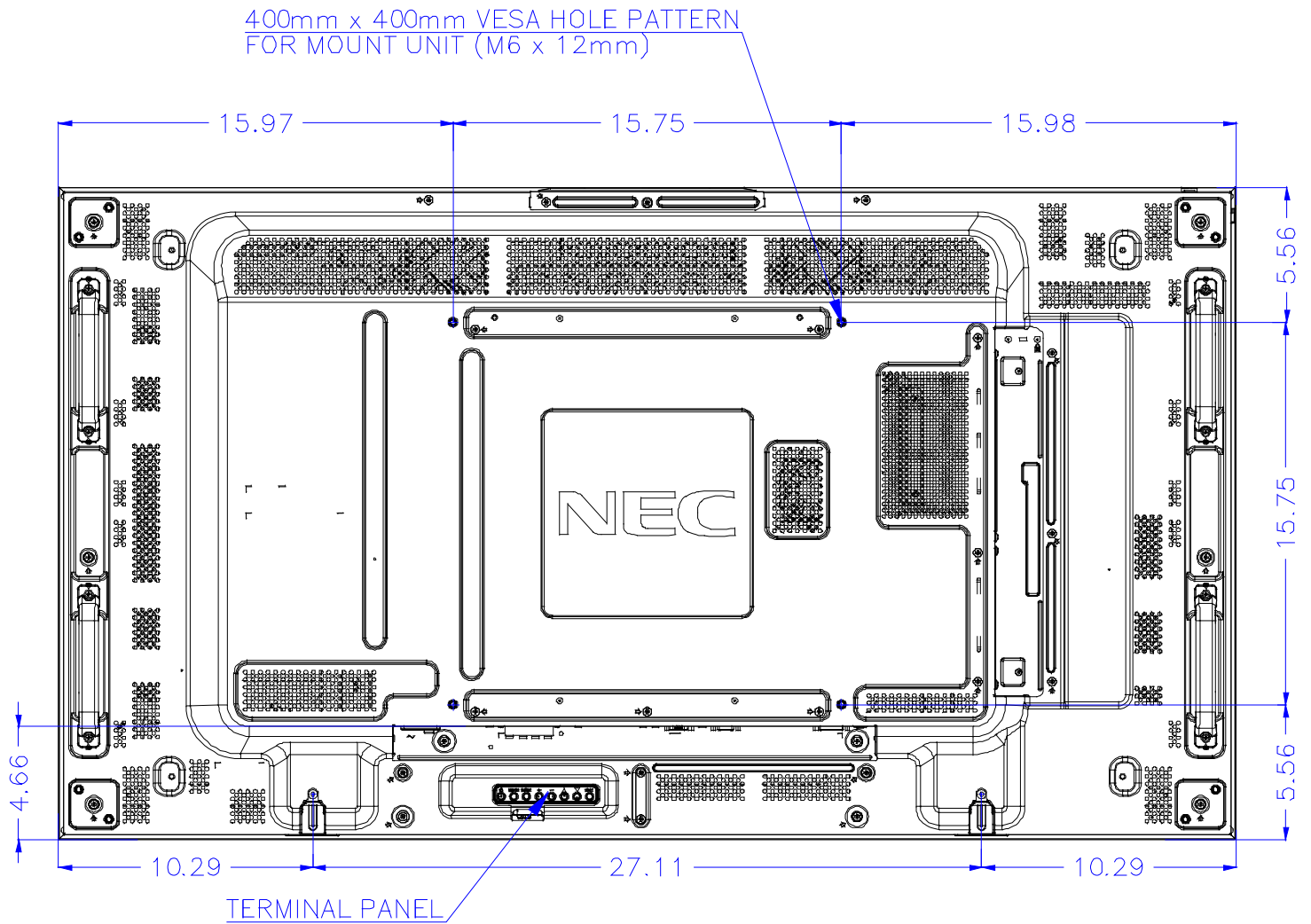55" LED LCD Display   Rev 1.0

Display dimensions

Note: This product is not symmetrical.

Display dimensions (cont.)

400mm x 400mm VESA HOLE PATTERN
FOR MOUNT UNIT (M6 x 12mm)

15.97   15.75   15.98

5.56

15.75

5.56

4.66

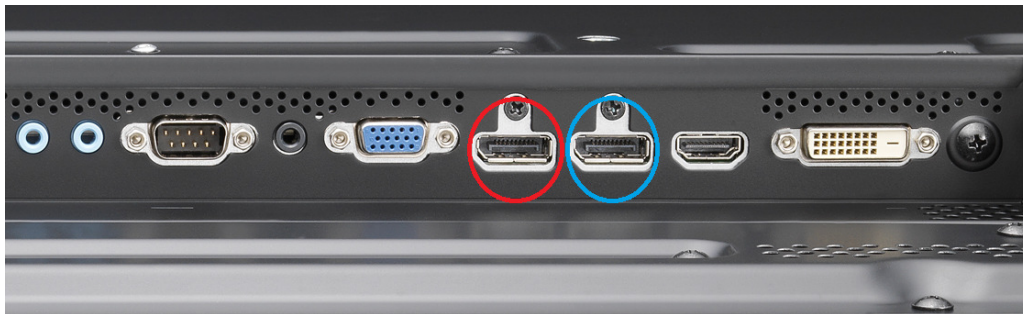10.29   27.11   10.29

TERMINAL PANEL

X554UN-TMX4P and X554UN-TMX9P Outer Dimensions with Peerless DS-VW765-LAND
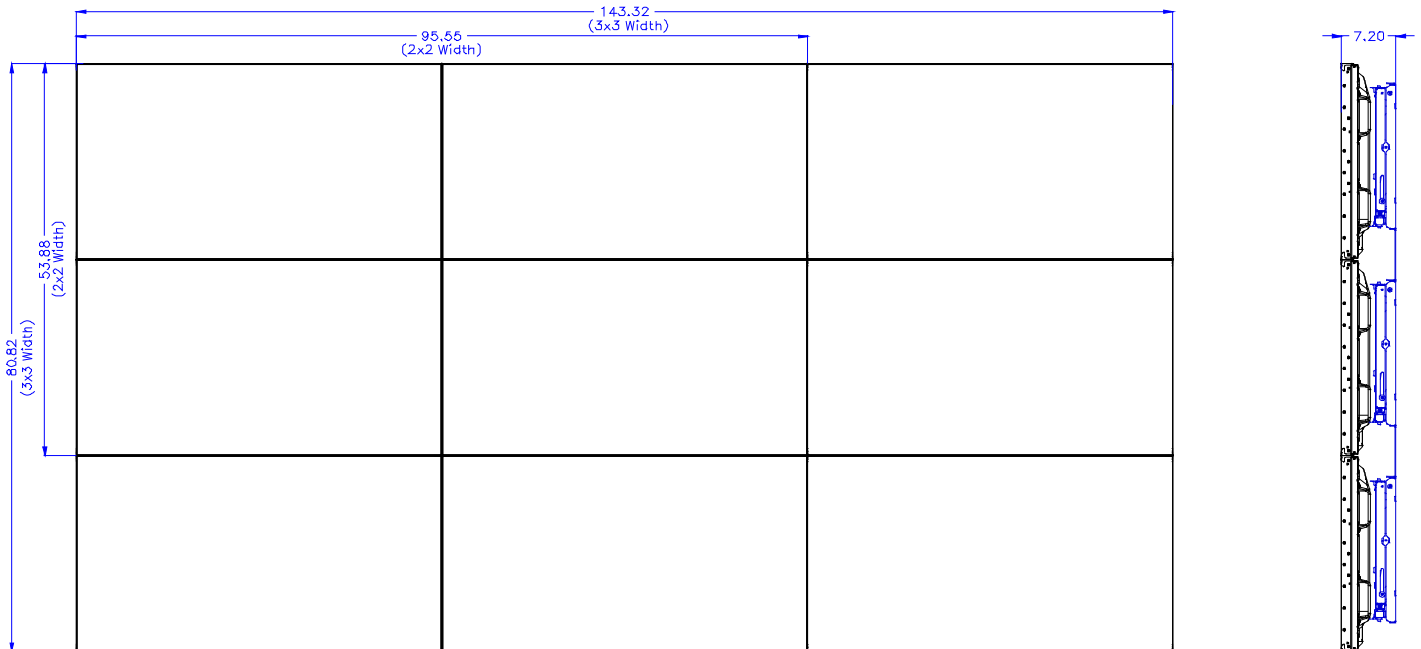
Note: KT-55UN-OF3 Overframe Bezel Kit not pictured

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.

UN551S/UN551VS Installation Guide
55" LED LCD Display   Rev 1.0

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

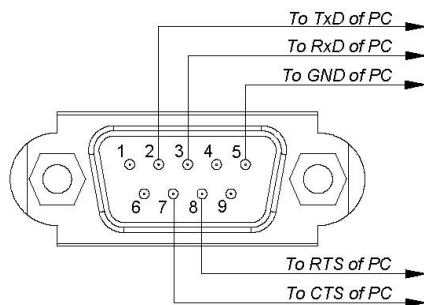### Communication Protocol:

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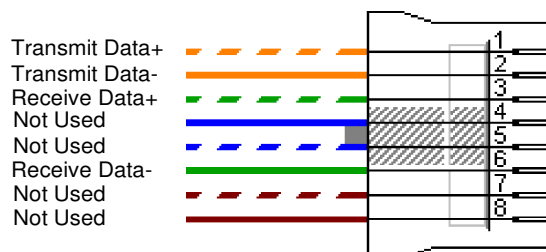Communication: Asynchronous
Baud Rate: 9600 bps
Data Length: 8 bits
Parity: None
Stop Bit: 1 bit
Communication Code: Hex

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)

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   **UN551S OPTION**

HOME

REMOTE CONTROL

PICTURE
ADJUST
AUDIO
SCHEDULE
PIP
OSD
MULTI DISPLAY
DISPLAY PROTECTION
EXTERNAL CONTROL
ADVANCED OPTION1
ADVANCED OPTION2

NETWORK
MAIL
SNMP
AMX
CRESTRON
NAME
NETWORK PASSWORD
PD LIST
MEMO
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	