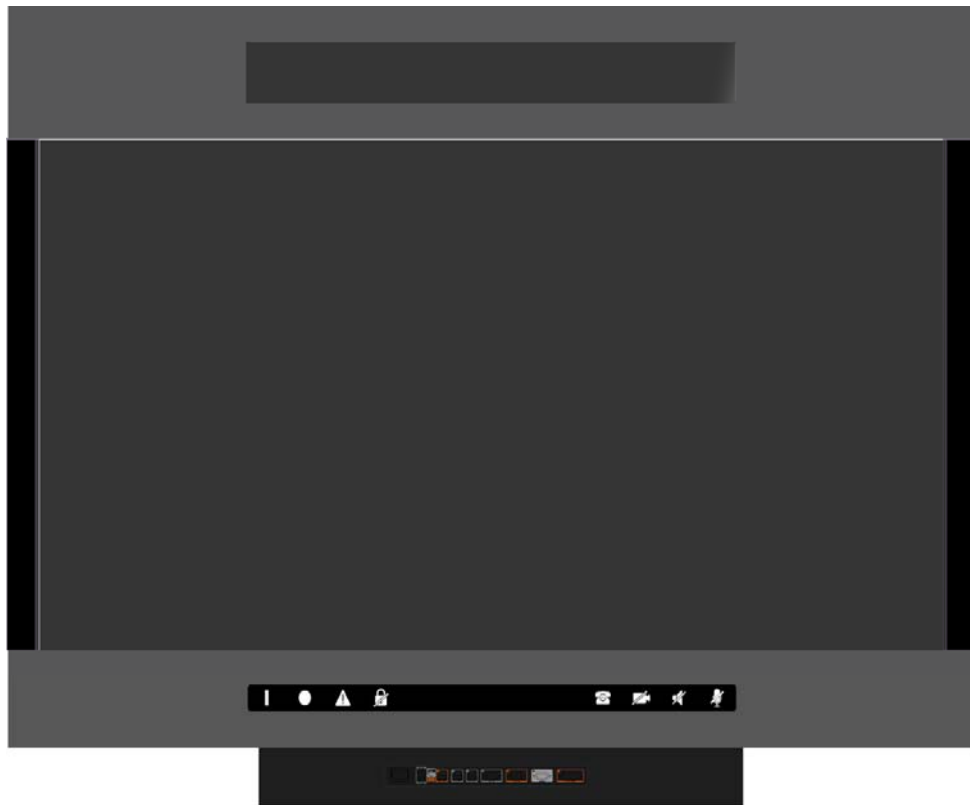


TANDBERG

TFT-LCD Color Monitor
FS-P6501C
User Guide



INFORMATION TO USER :

This equipment has been tested and found to comply with limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment can generate, use, and radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.


If this equipment does cause unacceptable interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced Radio/TV technician for help.

Caution

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



 The lightning flash with arrowhead symbol within an equilateral triangle, is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to people.


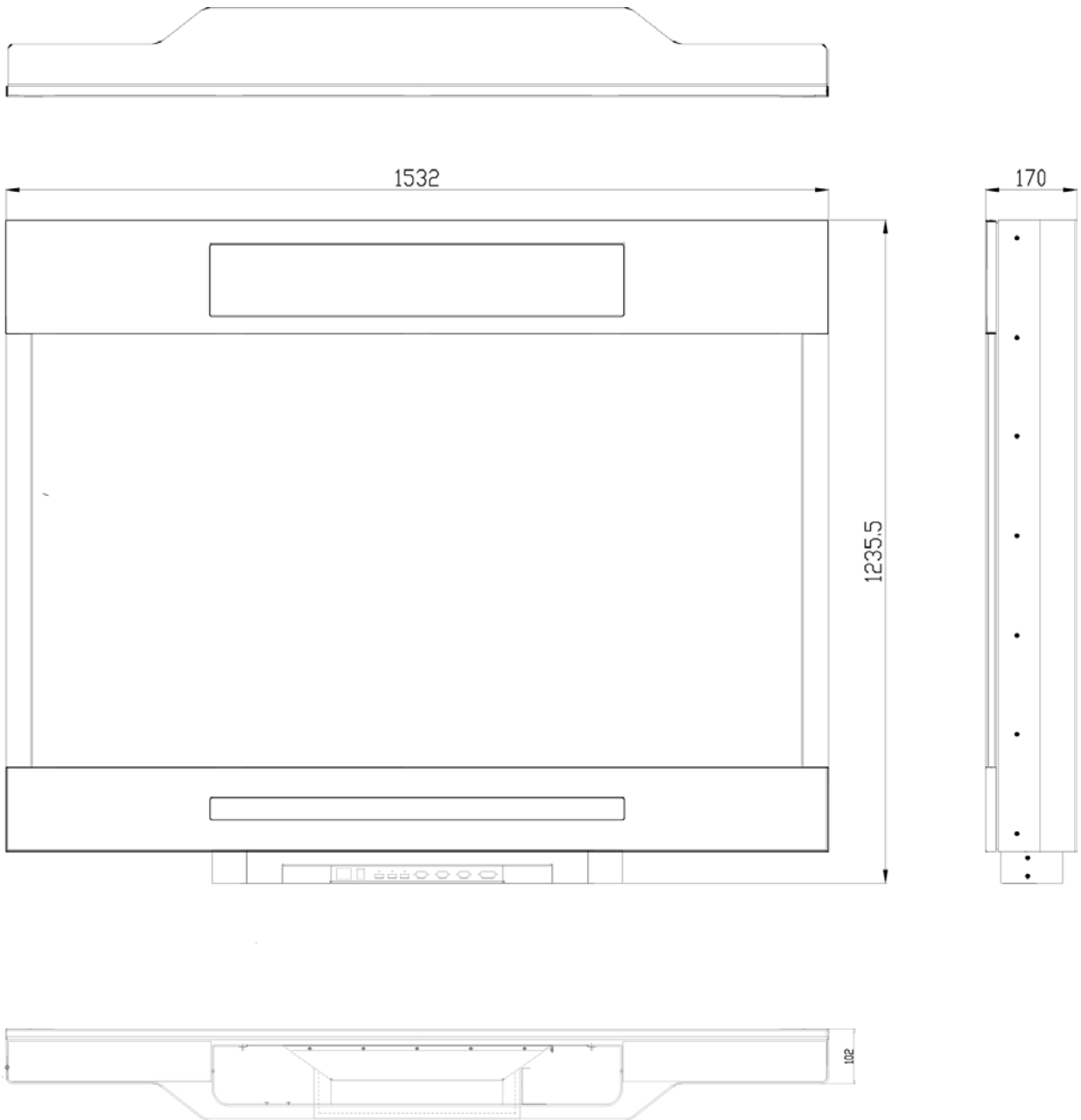
 The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions.

TABLE OF CONTENTS

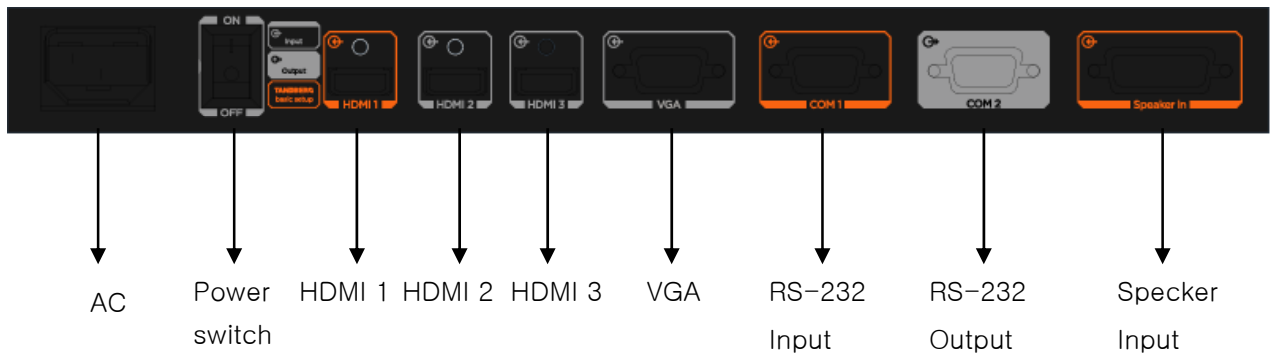
| | |
|---|---|
| 1. Product Drawing ----- | 1 |
| 2. Column Specification ----- | 2 |
| 3. Standard signal Table ----- | 3 |
| 4. Signal Connector Pin Assignments ----- | 4 |
| 5. Specification ----- | 6 |

1. Product Drawing



Unit : mm

2. Column Specification



3. Standard signal Table

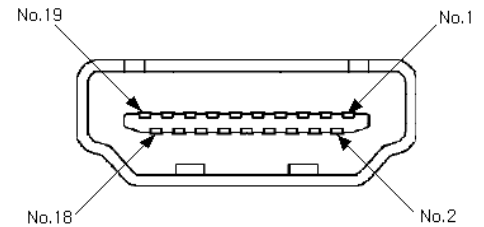
PC Supported Mode

| Resolution | Horizontal Frequency(KHz) | Vertical Frequency(Hz) | Clock Frequency(MHz) |
|------------------|---------------------------|------------------------|----------------------|
| PAL | 15.6 | 50 | 13.5 |
| NTSC | 15.7 | 60 | 13.5 |
| 640x480 | 29.5 | 60 | 23.625 |
| 800x600 | 31.5 | 50 | 35.4375 |
| 800x600 | 37.9 | 60 | 40.0 |
| 800x600 | 47 | 75 | 48.875 |
| 1024x768 | 47.3 | 60 | 56 |
| 720p(1280x720) | 37.5 | 50 | 74.25 |
| 720p(1280x720) | 45 | 60 | 74.25 |
| 720p(1280x720) | 75 | 100 | 148.5 |
| 720p(1280x720) | 90 | 120 | 148.5 |
| 1280x1024 | 64 | 60 | 108 |
| 1280x768 | 47.7 | 60 | 79.5 |
| 1360x768 | 47.3 | 60 | 72 |
| 1366x768 | 48.3 | 60 | 87.75 |
| 1400x1050 | 64.7 | 60 | 101 |
| 1680x1050 | 64.7 | 60 | 119.125 |
| 1600x1200 | 74 | 60 | 130.375 |
| 1080p(1920x1080) | 27 | 24 | 74.25 |
| 1080p(1920x1080) | 28.12 | 25 | 74.25 |
| 1080p(1920x1080) | 33.75 | 30 | 74.25 |
| 1080p(1920x1080) | 52 | 48 | 148.5 |
| 1080p(1920x1080) | 56.25 | 50 | 148 |
| 1080p(1920x1080) | 67.5 | 60 | 148.5 |
| 1920x1200 | 74 | 60 | 154 |

4. Signal Connector Pin Assignments

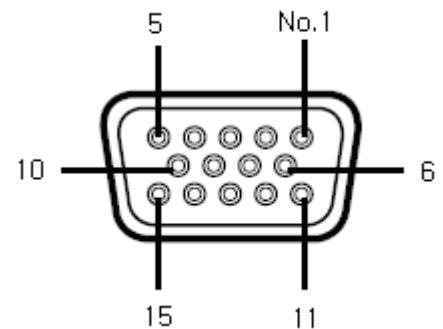
1. HDMI1, HDMI2, HDMI3

| Pin No. | Assignment | Pin No. | Assignment |
|---------|---------------------|---------|---------------------|
| 1 | TMDS Data2+ | 11 | Ground_Clock Shield |
| 2 | Ground_Data2 Shield | 12 | TMDS Clock- |
| 3 | TMDS Data2- | 13 | No Connection |
| 4 | TMDS Data1+ | 14 | No Connection |
| 5 | Ground_Data1 Shield | 15 | TMDS SCL |
| 6 | TMDS Data1- | 16 | TMDS SDA |
| 7 | TMDS Data0+ | 17 | Ground |
| 8 | Ground_Data0 Shield | 18 | TMDS Power |
| 9 | TMDS Data0- | 19 | Hot Plug Detect |
| 10 | TMDS Clock+ | | |



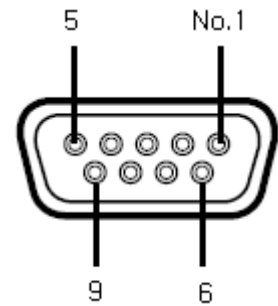
2. VGA(D-Sub 15p)

| Pin No. | Assignment | Pin No. | Assignment |
|---------|---------------------------------------|---------|--------------------------------|
| 1 | Red | 9 | D-Sub Power EDID write protect |
| 2 | Green | 10 | Ground-Sync |
| 3 | Blue | 11 | Ground |
| 4 | Ground | 12 | DDC Data |
| 5 | DDC 5V Standby Cable Connection check | 13 | H sync |
| 6 | Ground-Red | 14 | V sync |
| 7 | Ground-Green | 15 | DDC Clock |
| 8 | Ground-Blue | | |



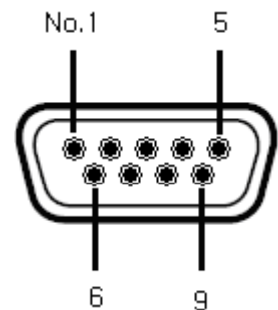
3. RS-232 input (D-Sub 9Pin)¹

| Pin No. | Assignment | Pin No. | Assignment |
|---------|------------------|---------|---------------|
| 1 | RS-232 ID | 6 | No Connection |
| 2 | RS-232 RXD Input | 7 | No Connection |
| 3 | RS-232 TXD Input | 8 | 5V Power |
| 4 | No Connection | 9 | No Connection |
| 5 | Ground | | |



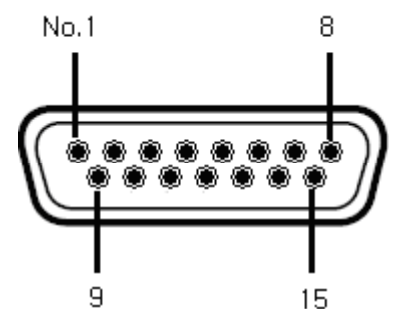
4. RS-232 Output (D-Sub 9Pin)²

| Pin No. | Assignment | Pin No. | Assignment |
|---------|----------------|---------|---------------|
| 1 | No Connection | 6 | No Connection |
| 2 | RS-232 RXD Out | 7 | No Connection |
| 3 | RS-232 TXD Out | 8 | No Connection |
| 4 | No Connection | 9 | No Connection |
| 5 | Ground | | |



5. Speaker input (D-Sub 2Row 15Pin)³

| Pin No. | Assignment | Pin No. | Assignment |
|---------|------------------------|---------|------------------------|
| 1 | CABINET_VERSION1 | 9 | LEFT+ (Left speaker) |
| 2 | CABINET_VERSION0 | 10 | LEFT- (Left speaker) |
| 3 | TW+ (Center tweeter) | 11 | RIGHT+ (Right speaker) |
| 4 | TW- (Center tweeter) | 12 | RIGHT- (Right speaker) |
| 5 | MID+ (Center midrange) | 13 | LOWMOUNTED |
| 6 | MID- (Center midrange) | 14 | GND |
| 7 | LOW+ (Center bass) | 15 | CABINET_VERSION2 |
| 8 | LOW- (Center bass) | | |



Notes

- 1,2,3 – This port is only valid on system level assembly Do not use this port as personnel usage.

5. Specification

| Model | FS-P6501C | |
|-----------------------|----------------------------|---------------------------|
| LCD PANEL | Type | A-si TFT Active matrix |
| | Screen size | 163.9Cm (Diagonal) |
| | Maximum Resolution | 1920X1080 @60Hz |
| | Pixel pitch | 0.744(H)mmX0.744(V)mm |
| | Display colors | 1073.7M (RGB 10-bit data) |
| | Contrast Ratio (Typ.) | 4000:1 |
| | Viewing Angle (Typ.) | 89/89/89/89 |
| | Response Time (Typ.) | 6.5ms |
| | Luminance (Typ.) | 350cd/m ² |
| Synchro nization | Horizontal Frequency | 67.5KHz |
| | Vertical Frequency | 60Hz |
| Power Consumption | Maximum | 500W |
| | Standby Mode | Under 45W |
| Power | AC 100-240V~50-60Hz 5A Max | |
| Approval Mark& EMI | Safety | CB,CE-LVD,CSA,KC,CCC |
| | EMI | CE-EMC,FCC,KCC |
| Dimension | Size and weight | 1532X170X1235.5/120Kg |