



QUAD 4" Monitors in 19" RACK MOUNT

USER GUIDE

Model: LCD-400x4



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Before using your monitor be sure to read this manual carefully.
In case of any problems on installation, contact *ToteVision* at (206)623-6000.
There are no user serviceable parts inside your monitors.



Precautions

Handling

This microprocessor-controlled color monitor uses a TFT(Thin Film transistor) and is made with fragile glass panel. The monitor should be handled with care and should not be exposed to impact or shock. Do not touch the screen or rub it with hard cloth or stiff objects as it is easily scratched.

Cleaning

The display area is highly prone to scratching. Do not use ketone type material (e.g. acetone), ethyl alcohol, toluene, ethyl acid or methyl chloride to clean the panel. All of these can cause severe damage to the panel.

The recommendable cleaners are water, Iso Propyl Alcohol or Hexane.

Do not let water or oil penetrate the monitor.

Storage

Do not expose the monitor to temperature higher than 60°C (140°F) degree or humidity higher than 85% without condensation.

Store in dark places and away from direct sunlight and ultra violet radiation.

When opening the box, make sure to check that all the following contents are included.

- Rack Mount QUAD 4" TFT LCD Monitor – 1 pc
- DC Power Supply Adapter – 1 pc
- Power Cable – 1 pc
- User Manual – 1 pc

Installation

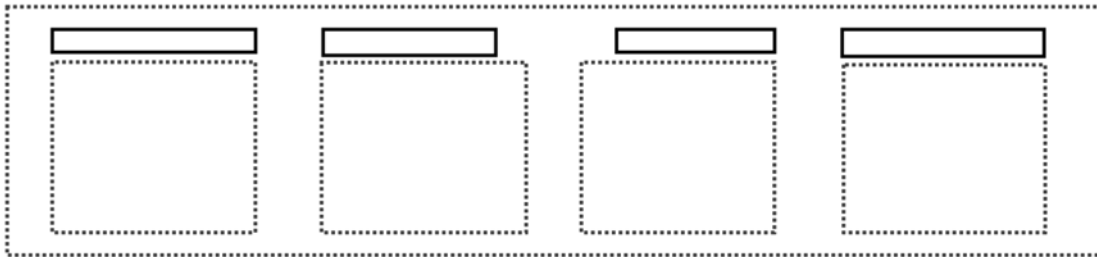
Totevision model LCD-400x4 consists of four 4" high-resolution TFT LCD monitors with a 90 degrees tilting feature, and its height is only 2 rack units (3.5").

Each monitor has it's own controls for brightness, color, tint, contrast and power.

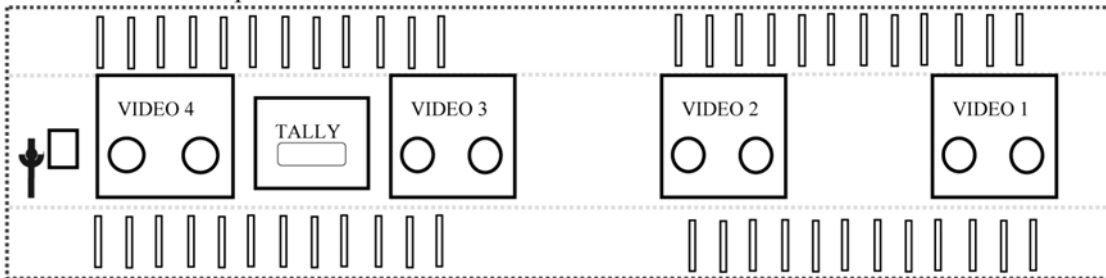
Each monitor has Video IN and loop out BNC connector, self-powered 3 color tally system and auto recognition of NTSC or PAL video format.

Operation of the unit is easy, however, please read the following before starting:

1. Install the unit in a 19" rack with four screws.



On the back of the Monitor four sets of BNC IN/OUT connectors, DC IN and Tally connectors are provided.



2. Each monitor screen comes with a protective plastic film that should be removed with careful lifting from the corner.
3. LCD-400x4 is using a DC12V, 2.5A regulated power supply. Be sure that these specifications are met when using a replacement adapter. The center pin on the plug should be POSITIVE.
4. The video input of the monitor is 75 Ohm self-terminated. The loop out uses active components and is always active as long as power is supplied.
5. Each screen recognizes NTSC or PAL signal automatically. Each screen is independently controlled allowing the user to use a PAL signal on one screen and an NTSC signal on the other.

6. The Tally system on the LCD-400x4 is accessed via DB-15 connector on the back of the unit. The system works by closing the contacts between a ground pin and the corresponding LED pin. The system is self powered, DO NOT GIVE POWER TO THE PINS. The pin out is as follows:

| TALLY | Green | Red | Yellow | Ground |
|-----------|--------|--------|--------|--------|
| Monitor#1 | Pin#1 | Pin#2 | Pin#3 | Pin#4 |
| Monitor#2 | Pin#6 | Pin#7 | Pin#8 | Pin#9 |
| Monitor#3 | Pin#11 | Pin#12 | Pin#13 | Pin#14 |
| Monitor#4 | Pin#5 | Pin#10 | Pin#15 | Pin#14 |

<Specifications>

Video Input color system NTSC/PAL auto recognition
 Active display area : 81.3(W)x 61.8(H)mm – 4.05"
 Resolution : 480(W)x 234(H) delta
 Dot pitch : 0.171(W)x 0.264(H) mm
 Max. Brightness ; 250 Nit
 Contrast ratio : 1: 150
 View angle : Up/Down/Left/Right=10/30/40/40 degrees from center
 Power requirement : DC 12V + -10%
 Video IN/OUT BNC connector
 Video Impedance 1.0+ /- 0.2Vp-p at 75ohm
 Dimensions (mm) 430(W) x 89(H) x 50(D)mm – 2RU
 Weight(NET) 6Kg /13.2 lbs
 Storage Temperature -25°C ~ 80°C
 Operating Temperature 0°C ~ 60°C
 Operating Humidity 15%~85%
 Power adapter Input-AC 100~240v, 50/60Hz, Output DC 12V, 2.5A
 Power Consumption 12w
 Enclosed Metal(Aluminum, Steel)

JACK & TERMINALS

BNC – VIDEO IN/OUT –4 sets
 TALLY Connector – 15Pin mini D-sub
 DC-IN power jack



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