

5 inch Field Monitor

Compact, rugged lightweight 5-inch color monitor especially suited for field operation

Also ideal in studios when rack mounted

Beam current feedback circuit for greatly improved color balance stability

Accepts composite video component (Y/R-Y/B-Y or RGB) and an external sync input for system versatility

1 Composite Input, 1 Component / RGB Input

Both 12V DC and 110V AC

Stabilizes the CRT drive by checking the cathode current low light signal levels; this circuit compensates for changes in CRT characteristics by adjusting the black color drift, enabling the monitor to provide stable color reproduction over a continuous period.

In addition to the composite video input, the PVM-5041Q has a component (Y/R-Y/B-Y, or RGB) input for direct connection with equipment such as a camera control unit (CCU) and a Betacam SP VTR.

When the Underscan mode is selected, the size of the screen is reduced so that entire active picture area is displayed.

Allows the horizontal and vertical blanking areas to be displayed simultaneously; this is effective when inspecting and observing the data in a blanking area.

As well as operating from an AC power source, the PVM-5041Q can also be DC powered for field operation.

With a speaker (0.5W, monaural) built-in to the monitor, sound can be monitored in the field.

The optional VF-504 monitor ENG kit contains a monitor hood and cord reel for the PVM-5041Q for operational convenience in the field.

Underscan: 3% underscan

Dimensions W x H x D: 5 3/4 x 6 7/8 x 14 inches

Color system: NTSC/PAL/SECAM/NTSC4:43

CRT type: 6-inch Trinitron Tube, visible picture size 5-inch measured diagonally, 70 degree deflection, AG pitch 0.5mm

Resolution: Composite video 220 TV lines

Frequency response: 6.0MHz (-3dB)

Aperture correction: - 4.0dB to +6.0dB (at 3.0MHz)

Synchronization: AFC time constant 1.0ms

Normal scan: 6% overscan

H-linearity: Less than 7.0% (Typical)

V-linearity: Less than 7.0% (Typical)

Convergence: Central: 0.5mm, Peripheral: 0.6mm (Typical)

Raster size stability: 2.0% (Typical)

HV-regulation: 3.0% (Cut off to High light)

Color temperature: D 65

Operating temperature: 0°C to 35°C (32°F to 95°F)

Storage temperature: - 10°C to 40°C (14°F to 104°F)

Humidity: 0 to 90%

Power requirements: AC:120V, DC:12V

Power consumption: AC:42W (max.), DC:40W (max.)

VIDEO INPUT: LINE Composite video Loop-through BNC connector|Vp-p +6dB, Sync negative, Automatic 75Ω termination*75Ω termination is automatically set to OFF when connection is made to the OUT connector.

COMPONENT: BNC connector

(Y/R-Y/B-Y or RGB): Red/R-Y: Non-composite:0.7Vp-p +6dB, Positive 75Ω Sync on Green/Y:Composite: lvp-p +6dB, Sync negative, 75Ω Green: Non-composite: 0.7Vp-p +6dB, Positive, 75Ω Blue/B-Y: Non-composite: 0.7Vp-p ±6dB, Positive, 75 Ω

EXTERNAL SYNC: BNC connector4.0Vp-p ±6dB, Negative, 75 Ω

DC: XLR 4-pin connector

REMOTE: Mini DIN 8-pin connector

LINE: Loop-through Phono connector-5dBs, high impedance

(Y/R-Y/B-Y or RGB): -5dBs, high impedance

Speaker out: 0.5W, 8Ω, monaural

COMPONENT: BNC connector

COMPONENT: Phono connector