

Preliminary

HTM-2070R

20 inch HDTV/SDTV Multi-Format Color Monitor



Evolutionary New Features

- A SMPTE phospor high resolution CRT and improved video processing are employed to achieve master monitor picture quality.
- Optional New Multi SDI Modules have been developed for the HTM series Multi-Format monitors. These modules accept HD-SDI or SD-SDI by auto detection.

■ Features

- 1000 TV Lines (at 4:3 aspect ratio) and Broadcast Quality.
- 1080i, 720p, 1080/24pSF, NTSC and PAL are available (Including Option)
- HDTV /SDTV analog component input signals are standard.
- Rear access plug-in modules for SDI (multi-format) and NTSC or PAL input signals available as options. Up to four modules can be plugged into the monitor.
- Plug-in module design allows for future system extension and easy maintenance.
- Auto-set up probe can adjust for desired color temperature. (Option)
- Three types of color temperatures can memorized in addition to the standard D65/D93.
- Rotary encoder system allows for easy data-settings and changes for display size, display position, trapezoid and pin cushion corrections.
- Built-in test signals such as cross hatch, flat field (50%), window (100%), characters and staircase.

■ Specifications

General

- Power Requirements: 100V-120VAC +/- 10%
- Power Consumption: 200W
(240W MAX with full options)
- Ambient Temperature:
0-40 degreeC (32-104 degree F)
- Humidity:
90% or less relative humidity (No Condensation)
- Dimensions:
450(W) x 399(H) x 515(D) mm, or
17.7(W) x 15.7(H) x 20.3(D) inch
- Weight: approx.38kg (83.6 lbs)

Rating

- Input Signal
HDTV
RGB/Y,PB,PR signal: BNC 1 input (loop-through)
Acceptable formats:
1080/60i or 59.94i, 1035/60i or 59.94i
720/60p or 59.94p, 1080/24pSF or 23.97sF.
2nd channel analog component and SDI inputs can be added by installing optional modules
- SDTV
RGB(Y,PB,PR signal): BNC 1 input (loop-through)
Acceptable formats : 480i/59.94, 575i/50
Same inputs as HDTV
2nd channel analog component, SDI, and NTSC or PAL encoded inputs can be added by installing optional modules

Performance

- CRT: In-line gun, Dot-shadow mask, high resolution
- CRT Dot Trio Pitch: 0.28mm
- Horizontal Resolution (at picture center) :
900 TV lines or more (in HDTV)
- Light Transmission (at center) : 85%

Video Signal System

- Frequency Response: 60Hz -25MHz +1dB/-1dB,
25-30MHz +1dB/-3dB (in HDTV component inputs)
- Noise: Coherent Noise: -46dB or more
Hum Noise: -50dB or more
Random Noise: -50dB or more

Deflection/SYNC System

- Scan
HDTV:
Normal scan (16:9) / Under scan (16:9) / HD 4:3 scan
(The expansion of 4: 3 area)
SDTV:
Normal scan (4:3/16:9) / Under scan (4:3/16:9)
- Convergence
Within circle of picture height: within 0.4 mm
Outside of the above area: within 0.5 mm

Design and specifications are subject to change without notice.

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