

## TM9-1

### 9" Broadcast Color Video Monitor



TM9-1 monitor offers NTSC/PAL multi-format compatibility, selectable 4:3/16:9 aspect ratio, presettable controls, two video and audio inputs, and operates from virtually any AC source from around the world. It can also be powered with 12V DC from a battery(Anton Bauer or similar) or from an automobile cigarette lighter. The TM9-1 is a rugged top performer that you can take anywhere with confidence.

- NTSC/PAL compatible
- 16:9/4:3 aspect ratio
- Comb Filter
- Tally Lamp
- Remote control connector
- Rack mountable rugged metal cabinet
- Underscan, Blue Check and Pulse Cross modes
- AC/DC operation

## Description

- NTSC/PAL Compatibility**  
 The TM9-1 is multi-format capable of accepting Composite or Y/C signals from NTSC or PAL sources.
- AC/DC Operation**  
 The TM9-1 can accept virtually any power source. 100 to 230 volts(50/60Hz) from any AC outlet. A convenient 4pin XLR connector is provided for 12 volt DC input. In addition, threaded mounting holes are provided for an Anton Bauer or PAG battery bracket.
- Y/C Input with loop through**  
 For optimum performance in any system requiring separate Y/C signals, such as an S-VHS editing suite. Separate 4 pin connectors are provided.
- Two Video Inputs with Loop**  
 Through In addition to the Y/C input, two additional Composite Video inputs with loop through are provided.
- Comb Filter**  
 A Comb Filter circuit is provided for optimum chrominance and luminance separation. The Comb Filter prevents cross color and dot crawl interference of NTSC signals.
- Tally Lamp**  
 A conveniently located, easy to see tally lamp is located on the front of the monitor.
- Remote Connector**  
 An 8 pin female DIN connector located on the rear panel allows remote on/off control of several functions, including Tally, by simply grounding the assigned pin.
- Display Capability**  
 Scanning can be changed between 4:3 and 16:9 aspect ratios by simply pushing the appropriate front panel switch.
- Underscan Mode**  
 Underscan mode can be selected by pushing the appropriate switch on the front panel. It allows viewing of the entire active picture.
- Blue Check Mode**  
 Hue and Saturation color level adjustments as well as noise level checks are made easy when the Blue Check Mode is selected on the front panel.
- Pulse Cross Mode**  
 The pulse cross mode allows visualization and monitoring of vertical and horizontal blanking period. used as asynchronous reference signals for cameras
- Color Off Control**  
 While balance settings can be verified by using the Color Off switch.
- External Sync**  
 Independent External Sync input with loop through is provided.
- AFC Mode Switch**  
 The AFC time constant can be decreased to allow viewing of images that have VTR generated jitter. A rear panel located switch is provided.
- Built-in Speaker**  
 A 3.5 inch side mount Speaker powered by an internal 1Watt amplifier is provided for audio monitoring.
- Two Audio Inputs**  
 Two RCA connectors with bridged output are provided.
- Rack Mounting**  
 Rack mounting of the TM9-1 is possible individually or side by side in any EIA 19" rack. There are two types of rack mount available as option. One is 6RU height ( part# is RK910SU ) and the another one is 5RU height ( part# is RKM0B910).

## Specifications

Type	Color Video Monitor	2) Input B:	1.0Vp-p, 75ohms, negative sync., auto-termination, BNCx2, bridged.
Color System	NTSC/PAL	Composite Video	Y: 1.0Vp-p, 75ohms, negative sync
CRT	9"(diagonally measured), In-line gun, Stripe pitch 0.5mm	Y/C	C: 0.286Vp-p, 75ohms(NTSC), 0.3Vp-p, 75ohms(PAL)
Scanning Frequency	H: 15.75kHz(NTSC)/15.625kHz(PAL)	(Y/C input priority)	Auto-termination, S-4pinx2 bridged.
	V: 60/50Hz	3) External Sync:	Composite sync, 1.0 - 4.0Vp-p
Rated Power	120V AC, 60Hz under UL		BNC x2, bridged output possible
	12V DC (18V to 10.8V acceptable)	Audio Terminals	RCA pin x4 for input A & B, bridged
Horizontal Resolution	More than 300 TV lines		Output possible
Power Consumption	0.57A	Audio Speaker	3.5 inch (8cm) round, 1W output
Color Temperature	6500°K	Tally/Remote	DIN 8-pin
Input Terminals		External Dimensions	8-3/4 x 9-5/16 x 12-1/2 (inches)
1) Input A:	1.0Vp-p, 75ohms, negative sync,	(WHD)	222 x 236 x 317 (mm)
Composite Video	auto-termination, BNCx2, bridged		

Design and specifications are subject to change without notice.

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