



SDI Distribution Amplifier

Model SD-108M

SD108M is a high performance Serial Digital Video Distribution Amplifier, designed for broadcast and professional use. The unit automatically detects inputs of 143, 177, 270 and 360Mbps/sec and provides eight equalized and reclocked outputs. Reclocking and equalization improves jitter stability and allows the amplifier to accept an input signal for distances up to 300 meters from the source, provided that high quality, double shielded coaxial cable has been used. The unit is housed in a Desktop metal case with an optional dual rackmount assembly. It uses an external 5VDC In-Plug type power adapter with locking DC connector.



Key Features of the SD-108M

- Automatic Multi-format Serial Digital Video
- 8 Outputs form a Single Input
- All Outputs Equalized and Reclocked
- Desktop Cases with Optional Rackmount

Specifications

Video Input

Serial Digital 1x via BNC Connector

Video Outputs

Serial Digital 8x via BNC Connectors

Signal Standards

Multi-format (Auto-select) 143, 177, 270 or 360Mbps/s

Video Specifications

Impedance 75Ω
 Return loss >15 dB
 Signal level 800 mV +/- 10%
 Overshoot <10%
 Added jitter <0.2 Unit intervals
 Equalization >300 meters of 8281 Cable
 DC Offset 0 +/- 0.5 Volt

Indicators

Power On 1x LED
 Video Presence 1x LED

Mechanical

SD-108M (HWD) 1.4"x8.5"x5.2" (36x215x130mm)
 Weight (Net) 1,8lbs (0.8kg)
 RM-200 (HWD) 1.75"x19"x7" (44x482x178mm)
 Weight (Net) 2.4lbs (1.1kg)

Warranty

Limited Warranty 2 Years Parts and Labor

Environmental

Operating Temperature +32° to +120° F (0° to +48° C)
 Operating Humidity 10% to 85%, Non-condensing
 Storage Temperature -40° to +150° F (-40° to +65° C)
 Storage Humidity 10% to 85%, Non-condensing

Power Requirement

External Power Supply 5VDC @ 230mA

Regulatory Approvals

Converter Unit FCC, CE
 Power Supply UL, CE, CSA

Accessories Included

1x SDI Input Cable 6' (2m) BNC to BNC
 1x Power Adapter Input: 100-240VAC/50-60Hz
 Output: 5VDC@2A
 1x Operations Manual SD-108M

Product Item Numbers

SD-108M SDI Distribution Amplifier
 RM-200 Dual Rackmount Assembly

Panel Drawings

