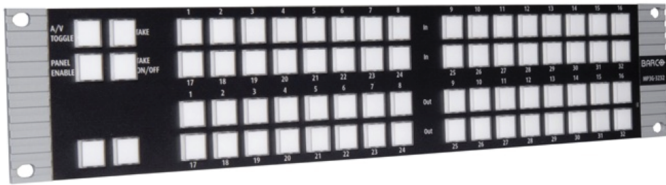


Product Spec Sheet from Rentex

Barco MatrixPRO-II 32x32 Switcher with 3G SDI

Download Spec Sheet @ www.rentex.com/spec/XVM0350.pdf

Rentex Product No. XVM0350



Mfr Part No. R9004662

The Barco MatrixPRO-II 32x32 Switcher with 3G SDI combines a high 600MHz bandwidth with a flat $\pm 1.0\text{dB}$ to 300MHz frequency to deliver image switching and signal distribution without any artifacts.

A genlock input synchronizes all switching with the house sync. A user-selectable RGB delay mode locks down-stream equipment to a new signal before anything is visible on the screen. And presets are available to be stored and allow easy system reconfiguration. I/O grouping and split-mode switching features divide the matrix into smaller sub-switchers and let each color channel switch independently.

Features

- 32x32 Wideband Switcher with 3G SDI
- Transmits 1080p @ 60Hz
- 600MHz at -3dB Bandwidth
- $\pm 1.0\text{dB}$ to 300MHz Flatness
- Switches / Distributes without Artifacts
- Genlock Input

Detailed Specifications

Supported Formats DVB-ASI, SMPTE 259M, SMPTE 292M, SMPTE 424M; 270M bps - 2.97Gbps; 2K, 2048x1556/23.98 and 24

Inputs:

Standard SMPTE 259M / SMPTE 292M / SMPTE 424M

Data Rate 270Mbps - 1.485Gbps / 2.97Gbps

Connector 75 ohm BNC female

Impedance 75 ohm nominal

Return Loss > 15dB (5MHz - 1.485GHz); > 10dB (1.5 - 3GHz)

Cable Equalization Automatic up to 230' (70m) @ 2.97Gbps
Automatic up to 328' (100m) @ 1.485Gbps
Automatic up to 984' (300m) @ 270Mbps

Outputs:

Connector 75 ohm BNC female

Impedance 75 ohm nominal

Return Loss > 15dB (5MHz - 1.485GHz); > 10dB (1.5 - 3GHz)

Signal Level 800mVp-p $\pm 10\%$

Amplitude Overshoot < 10%

Signal Polarity Non-inverting electrical with respect to inputs

Rise & Fall 20 - 80%

SD limit: 0.4 - 1.5ns, < 0.5ns rise/fall variation

HD limit: < 270ps, < 100ps rise/fall variation

3G-HD limit: < 135ps, < 50ps rise/fall variation

Power 35W

Signal Speed Timing jitter: SD: < 0.2 UI; 3G-HD/HD: < 1UI
Alignment jitter: SD: < 0.2UI; 3G-HD/HD: < 0.2UI

Control Serial port: RS-232, DB9 connector female
Ethernet port: 10/100BaseT Ethernet bus,
1 x RJ45 connector

Rack Mount 2RU

Dimensions 3.5 x 19 x 2" (8.8 x 48.3 x 5 cm)

Weight 4.8 lbs (2.2 kg)