

MatrixPRO-II 3G/HD/SD-SDI series

High-speed 3G serial digital routers



- Three cost-effective, compact models available
- Genlock input with loop through
- Flexible control

Barco's MatrixPRO-II SD/HD/3G-SDI series offers three models of high-speed serial routers: 8x8, 16x16 and 32x32. All three models are compact, have an extremely slim profile, are cost-effective, and provide an excellent solution for applications where budget and space are at premium.

Featuring genlock input

All routers support SDI formats from SD formats to 3G/HD. Their superior design allows for image switching and signal distribution without artifacts. They all feature a genlock input with loop through, ensuring that all switching is synchronized with the house sync.

Flexible control

The routers can be controlled from the front panel, RS-232, Ethernet connections or the Encore and ScreenPRO-II presentation systems. Barco's MatrixPRO-II SDI router series allows a single unit to be subdivided into multiple layers.

Product specificaties

MATRIXPRO-II 3G/HD/SD-SDI SERIES

General specifications	
Ondersteunde signaalformaten	DVB-ASI, SMPTE 259M, SMPTE 292M, SMPTE 424M; 270M bps – 2.97Gbps; 2K, 2048x1556/23.98 and 24
Ingangen	- 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 (1.5GHz – 3GHz) - Cable equalization: - Automatic up to 70m @ 2.97Gbps, typical Belden 1694A - Automatic up to 100m @ 1.485Gbps, typical Belden 1694A - Automatic up to 300m @ 270Mbps, typical Belden 8281
Uitgangen	- Connector: 75 ohm BNC female - Impedance: 75 ohm nominal - Return loss: > 15dB (5MHz-1.485Ghz); > 10dB (1.5GHz – 3GHz) - Signal level: 800mVp-p ±10% - Rise/fall time: - 20% - 80% - SD limit: 0.4ns – 1.5ns, < 0.5ns rise/fall variation; - HD limit: < 270ps, < 100ps rise/fall variation; - 3G-HD limit: < 135ps, < 50ps rise/fall variation - Amplitude overshoot: < 10% - Signal polarity: Non-inverting electrical with respect to inputs
Signaalsnelheid	- Timing jitter: SD: < 0.2 UI; 3G-HD/HD: <1UI - Alignment jitter: SD: <0.2UI; 3G-HD/HD: <0.2UI
Veiligheidsvoorschriften	Compliant with CE EN55103-1 and 2
Controle	Serial port: RS-232, DB9 connector female Ethernet port: 10/100BaseT Ethernet bus, 1x RJ45 connector
Energieverbruik	- R9004661 (8x8): current: @ +15V/-15V: 900/2 mA - power: 14W - R9004661 (16x16): current: @ +15V/-15V: 1.273/4 mA - power: 19W - R9004662 (32x32): current: @ +15V/-15V: 1.302/1,035 mA - power: 35W
Voeding (R9871081)	- AC supply: 100-240 VAC, 50-60 Hz / Max. 1.6A - AC main connector: IEC 320 - DC output: current: +15V, max 2.2A / -15V, max 1.35A / Power: maximum 43W - DC connector: DB9, female - Weight: 0.35 kg / 0.77 lbs - Safety standards: compliant with CE EN60950, UL-1950/CSA22.2
Afmetingen (H x B x D)	- R9004661 (8x8) - R9004660 (16x16): 44 x 483 x 50 mm / 1.73" x 19" x 1.97" - R9004662 (32x32): 88 x 483 x 50 mm / 3.46" x 19" x 1.97"
Gewicht	- R9004661 (8x8): 1.3 kg / 2.86 lbs - R9004660 (16x16): 1.4kg / 3.08 lbs - R9004662 (32x32): 2.2 kg / 4.84 lbs

Laatst bijgewerkt: 09 Jul 2024

© 2024 Barco nv. Alle rechten voorbehouden. Gehele of gedeeltelijke reproductie zonder schriftelijke toestemming is verboden. Alle merknamen en productnamen zijn handelsmerken, geregistreerde handelsmerken of handelsnamen van hun respectieve houders. Als gevolg van voortdurende innovatie kunnen informatie en technische specificaties zonder voorafgaande kennisgeving worden gewijzigd. Controleer www.barco.com voor de nieuwste specificaties.

