

MatrixPRO Serial digital series

The MatrixPRO Serial Digital Series offers two models for routing of SDI and HDSDI video signals.



The MatrixPRO HD-SDI model allow users to route either HD-SDI or SDI signals. The SDI unit will only pass SDI signals. Each input and output is individually isolated. These inputs can be switched to any one or all outputs with no crosstalk or signal noise between channels. All models are SMPTE 259M compliant for inputs. The HD-SDI models are also SMPTE 292 M compliant for input sources.

Units are rack-mountable and can be controlled remotely with the MPR-C216. Both units come standard with an easy to operate front panel interface for simple input and output selection. Both units can also be connected to an optional Remote Control interface for input and output selection. An Ethernet port for IP control is featured on all units.

The MatrixPRO Serial Digital Series features the grouping matrix that allows the router to be divided into smaller sub switchers, making for easier installation and control. I/O grouping allows specific outputs to be grouped together, such as those for all HD-SDI formats. All models feature Vertical Interval Switching for all input channels.

The MatrixPRO routers are designed to work effortlessly with our other Barco Video Processing products like the Encore as well as stand-alone for custom applications.

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Spécifications techniques

Routage vidéo	
Entrée	<ul style="list-style-type: none"> MatrixPRO-SDI: SMPTE 259M compliant Matrix-PRO HD-SDI: SMPTE 259M and 292M compliant
Sortie	<ul style="list-style-type: none"> MatrixPRO-SDI : SMPTE 259M and 344M compliant Matrix-PRO HD-SDI: SMPTE 259M and 292M compliant
Vitesse de signal	<ul style="list-style-type: none"> MatrixPRO-SDI: 143,177,270,360 Mbps Matrix-PRO HD-SDI: 143,177,270,360,1483.5,1485Mbps
Vitesse de retour	<ul style="list-style-type: none"> MatrixPRO-SDI: -15dB @ 270 Mbps Matrix-PRO HD-SDI: -15dB @ 270Mbps and -15dB @ 1.485Gbps
Longueur de câble maximale	<ul style="list-style-type: none"> MatrixPRO-SDI: 350m at 270Mbps with Belden 1694A cable Matrix-PRO HD-SDI: 100m @ 1.485Gbps, 350m at 270Mbps with Belden 1694A cable
Entrée vidéo	
Nombre / type de signaux	8 or 16 Unbalanced serial data
Connecteurs	8 or 16 BNC female
Impédance	75 ohms
Sortie vidéo	
Connecteurs	8 or 16 BNC female
Amplitude	800mV +\ - 10%
Scintillement en sortie	0.2 U.I (MAX)
Type de commutation	Vertical Interval Switching (Input Channel 1 is Reference)
Boîtier	
Dimensions	3.5"H X 17.0" W x 15"D (2U high, full rack width); 8.89 cm H x 43.2 cm W x 38.1 cm D
Poids	17 lbs (7.6 kg)
Poids à l'expédition au départ de l'usine	22 lbs (10kg)
Montable en rack	included
Type	Metal
Généralités	
Température de fonctionnement	0-40 degrees C
Humidité environnementale	0-95%, non-condensing
Type d'alimentation	100-240 VAC, 47-63 Hz, auto-configuring
Connecteur électrique	IEC connector with integrated fuse and switch
Dissipation d'énergie	32 watts
Agence	FCC:Part 15, Subpart B – Class A, EN55022:1998 Class A and EN550024:1998 CE: safety EN 60950:1992
Commande/Cde à distance	
Port de contrôle série	RS-232/ RS-485, 25-pin female D connector
Taux de bauds et protocole	57600, 8-bit,1 stop bit, no parity selectable
Ethernet	1 RJ-45 female connector, running 10/100 Base-T, half/full duplex with autodetect
Protocole Ethernet	ARP, ICMP (ping), TCP/IP, Telnet, HTTP

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Les spécifications techniques sont susceptibles d'être modifiées sans préavis.
Veuillez consulter les dernières informations disponibles sur www.barco.com.

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