

Modular Cabling Systems



Security Solutions by Design

RACK TO THE MAX

The Next Generation of Power, Video, & Data Transmission



Rack to the Max™ is the ultimate solution in cable and video management infrastructure. Featuring modular, swappable components that allow multiple power, video and data transmission technologies to be combined in a single, 1U chassis or wall mounted, Rack to the Max™ is an integrator's best friend.

Features

- Up to 60% Smaller Footprint
- Up to 75% Lighter
- Rapid Installation and Easy Configuration



	Legacy System 2 Racks (68U)	Aventura's Rack to the Max 1 Rack (30U)
PVD	PVD UTP	PVD UTP POWER
	VS	
	816 Local Cameras Power/Video/Data over UTP	288 Remote Cameras Video over UTP



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UTP MODULES	CHANNELS	FRONT				BACK			DISTRIBUTION AMPLIFIER	AUTO EQ	AGC
		CONNECTORS IN	POWER OUT	VIDEO IN	DATA OUT	CONNECTORS OUT	POWER IN	DATA IN			
MCS-M16-U2U-CI-PVD	16	16 x RJ-45	√	√	√	4 x RJ-45	1 x Terminal	1 x Terminal	-	√	√
MCS-M08-U2U-CI-PVD	8	8 x RJ-45	√	√	√	2 x RJ-45	1 x Terminal	1 x Terminal	-	√	√
MCS-M16-U2C-RX-PVD	16	16 x RJ-45	√	√	√	16 x BNC	1 x Terminal	1 x Terminal	-	√	√
MCS-M08-U2C-RXDA-PVD	8	8 x RJ-45	√	√	√	16 x BNC	1 x Terminal	1 x Terminal	1 in, 2 out per ch.	√	√
MCS-M04-U2C-RXDA-PVD	4	4 x RJ-45	√	√	√	16 x BNC	1 x Terminal	1 x Terminal	1 in, 4 out per ch.	√	√
MCS-M16-U2C-RX	4	4 x RJ-45	-	√	-	16 x BNC	-	-	-	√	√
MCS-M08-U2C-RXDA	2	2 x RJ-45	-	√	-	16 x BNC	-	-	1 in, 2 out per ch.	√	√
MCS-M04-U2C-RXDA	1	1 x RJ-45	√	√	-	16 x BNC	-	-	1 in, 4 out per ch.	√	√
MCS-M16-U2U-CI-PVD-P3	16	16 x RJ-45	√ PoE ³	√	√	4 x RJ-45	1 x Terminal	1 x Terminal	-	√	√
MCS-M08-U2U-CI-PVD-P3	8	8 x RJ-45	√ PoE ³	√	√	2 x RJ-45	1 x Terminal	1 x Terminal	-	√	√
MCS-M16-U2C-RX-PVD-P3	16	16 x RJ-45	√ PoE ³	√	√	16 x BNC	1 x Terminal	1 x Terminal	-	√	√
MCS-M08-U2C-RXDA-PVD-P3	8	8 x RJ-45	√ PoE ³	√	√	16 x BNC	1 x Terminal	1 x Terminal	1 in, 2 out per ch.	√	√
MCS-M04-U2C-RXDA-PVD-P3	4	4 x RJ-45	√ PoE ³	√	√	16 x BNC	1 x Terminal	1 x Terminal	1 in, 4 out per ch.	√	√

FIBER MODULE	CHANNELS	FRONT				BACK			DISTRIBUTION AMPLIFIER	AUTO EQ	AGC
		CONNECTORS IN	POWER OUT	VIDEO IN	DATA OUT	CONNECTORS OUT	POWER IN	DATA IN			
MCS-M08-U2F-CI-PVD	8	8 x RJ-45	√	√	√	1 x Fiber, 8 x BNC	1 x Terminal	1 x Terminal	-	√	√

ENCODER/DECODER MODULES	VIDEO IN	VIDEO OUT	AUDIO IN	AUDIO OUT	MAX. VIDEO RESOLUTION	FPS NTSC/PAL	COMPRESSION TYPE	VIDEO MOTION DETECTION	ALARM INPUTS/OUTPUTS	PROTOCOL SUPPORT
MCS-M01-ENC	1 x BNC	Ethernet	1 x BNC	Ethernet	720 X 480	30 FPS / 25 FPS	H.264 Dual Stream	√	1 Input, 1 Relay Output	TCP/IP, HTTP, DHCP, DNS, RTP/RTCP, PPPoE
MCS-M02-ENC	2 x BNC	2 x Ethernet	2 x BNC	2 x Ethernet	720 X 480	30 FPS / 25 FPS	H.264 Dual Stream	√	2 Input, 2 Relay Output	TCP/IP, HTTP, DHCP, DNS, RTP/RTCP, PPPoE
MCS-M01-DEC	Ethernet	1 x BNC	Ethernet	1 x BNC	720 X 480	30 FPS / 25 FPS	H.264 Dual Stream	√	1 Input, 1 Relay Output	TCP/IP, HTTP, DHCP, DNS, RTP/RTCP, PPPoE
MCS-M02-DEC	2 x Ethernet	2 x BNC	2 x Ethernet	2 x BNC	720 X 480	30 FPS / 25 FPS	H.264 Dual Stream	√	2 Input, 2 Relay Output	TCP/IP, HTTP, DHCP, DNS, RTP/RTCP, PPPoE

POWER MODULES	INPUT VOLTAGE	OUTPUT WATTAGE	NOTES
MCS-PWR-24D-300	110-240 VAC	300 W	
MCS-PWR-36D-300	110-240 VAC	300 W	Future Model
MCS-PWR-48D-300	110-240 VAC	300 W	Future Model
MCS-PWR-24D-450	110-240 VAC	450 W	Future Model
MCS-PWR-36D-450	110-240 VAC	450 W	Future Model
MCS-PWR-48D-450	110-240 VAC	450 W	Future Model

BALUNS	DESCRIPTION
VID-PB1-PV	Single Channel Balun - Power + Video, RJ-45
VID-PB1-PVD	Single Channel Balun - Power + Video + Data, RJ-45
VID-PB1-12V	Single Channel Balun - Video + 24VAC to 12VDC Converter

RACK SYSTEM	DESCRIPTION
MCS-1U-RMF	1U Rackmount Mounting Frame with Cable Management, 3 Module Capacity
MCS-WMB	Single Module wall-mount Mounting Bracket