RM42C

SIMPLIFIED M F G

HDMI 2.0b (18Gbps) 4x2 Matrix Switch
With Scaling Outputs

The RM42C is a compact, robust 4K2K (18Gbps) 4x2 matrix switch. This switch has 4 HDMI Inputs and 2 HDMI Outputs, it is a true matrix and can be controlled via RS232, IP, manually, or via the supplied IR remote. Each output has scaling capability making this matrix easier to install with unlike displays. Other features include built in signal patterns for troubleshooting, very fast switch times, ARC, audio breakouts, brackets to convert to a 1RU size, and a sophisticated control circuit that can switch other devices on and off.

Features:

- HDMI 2.0b (18Gbps)
- HDR 8/10/10+ & Dolby Vision™ Support
- All outputs have scaling
- Test pattern output capability
- Supports all versions of Multi-Channel Audio with audio breakout and ARC
- Sophisticated Control of other devices in the system
- 3-Year Warranty

Specifications:

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 / HDCP 1.4
Video Bandwidth	18 Gbps
Video Resolutions	up to 4K2K@50/60Hz (YUV4:4:4),4K2K@30Hz,1080P@120Hz, and 1080P 3D@60Hz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2
Color Depth	8-bit, 10-bit, 12-bit
HDMI Audio Formats (Pass-through)	LPCM 2/5.1/7.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
ESD Protection	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)
Connections	
Inputs	4x HDMI Type A [19-pin female]
Outputs	2x HDMI Type A [19-pin female] 2x 3-Pin Audio connectors 2x Optical SPDIF 2x RS232 3-Pin connectors
Control Ports	1xLAN [RJ45] 3xRS232 [3-Pin Phoenix Connector] 1x3.5mm mini-jack [IR input] 2x 3.5mm mini-jack [IR output]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	218mm [8.58] (W) x 140mm [5.52] (D) x 43mm [1.7] (H)
Weight	1050g / 37 Oz.
Power Supply	Input: AC100 - 240V 50/60Hz Output: DC 12V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	4.3W (Max)
Operation Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)