

8-Channel DigitalMedia 8G™ Fiber Output Blade for DM® Switchers

- > Modular output blade for a DM-MD64X64 or DM-MD128X128 switcher
- > Provides eight independent DM 8G® Fiber outputs
- > Supports cable lengths up to 1000 ft (300 m) using CresFiber® 8G, or 500 ft (150 m) using other multimode fiber^[1]
- > Handles video resolutions up to Full HD 1080p
- > Handles computer resolutions up to WUXGA
- > Handles 3D video and Deep Color
- > Handles Dolby® TrueHD, DTS-HD®, and uncompressed 7.1 linear PCM audio
- > HDCP compliant
- > Occupies a single output blade slot

The DMB-O-S is an output blade designed for use with any blade-based Crestron® DigitalMedia™ Switcher. It provides eight independent DM 8G® Fiber outputs. Each DM 8G Fiber output enables connection to a DM 8G Fiber Receiver, or to the input of another DM® switcher. Just one multimode fiber optic strand is required per output, supporting distances up to 1000 feet (300 m) using CresFiber® 8G, or 500 feet (150 m) using other multimode fiber optic cable.

Please refer to the DigitalMedia Resources Webpage at <http://www.crestron.com/dmresources/> for additional design tools and reference documents.

SPECIFICATIONS

Video

Output Signal Type: DM 8G® Fiber (DigitalMedia™ over one multimode fiber optic strand)^[1]

Formats: DM 8G Fiber w/Deep Color & 3D, HDCP content protection support

Output Resolutions, Progressive: 640x480@60Hz, 720x480@60Hz (480p), 720x576@50Hz (576p), 800x600@60Hz, 848x480@60Hz, 852x480@60Hz, 854x480@60Hz, 1024x768@60Hz, 1024x852@60Hz, 1024x1024@60Hz, 1280x720@50Hz (720p50), 1280x720@60Hz (720p60), 1280x768@60Hz, 1280x800@60Hz, 1280x960@60Hz, 1280x1024@60Hz, 1360x768@60Hz, 1365x1024@60Hz, 1366x768@60Hz, 1400x1050@60Hz, 1440x900@60Hz, 1600x900@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1080@24Hz (1080p24), 1920x1080@25Hz (1080p25), 1920x1080@50Hz (1080p50), 1920x1080@60Hz (1080p60), 1920x1200@60Hz, 2048x1080@24Hz, 2048x1152@60Hz, plus any other resolution allowed by HDMI up to 165MHz pixel clock

Output Resolutions, Interlaced: 720x480@30Hz (480i), 720x576@25Hz (576i), 1920x1080@25Hz (1080i25), 1920x1080@30Hz (1080i30), plus any other resolution allowed by HDMI up to 165MHz pixel clock

Audio

Output Signal Type: DM 8G Fiber



Formats: Dolby Digital®, Dolby Digital EX, Dolby Digital Plus, Dolby® TrueHD, DTS®, DTS-ES, DTS 96/24, DTS-HD High Res, DTS-HD Master Audio™, up to 8ch PCM

Communications

DigitalMedia: DM 8G Fiber, HDCP, EDID, CEC, Ethernet

Connectors

OUTPUT MMF/SC 1 – 8: (8) SC female optical fiber connectors; DM 8G Fiber outputs; Each connects to the DM 8G Fiber input of a DM receiver or other DM device via CRESFIBER8G multimode fiber optic cable^[1]

Indicators

ACT: (1) green LED, indicates blade activity

MSG: (1) red LED, indicates an error message has been generated

OUTPUT MMF/SC: (8) green LEDs, indicate DM link status for each corresponding output

DMB-0-S 8-Channel DigitalMedia 8G™ Fiber Output Blade for DM® Switchers

Construction

Plug-in blade, occupies (1) DM Switcher output blade slot, includes metal faceplate w/black finish

Weight

1.6 lb (726 g)

MODELS & ACCESSORIES

Available Models

DMB-0-S: 8-Channel DigitalMedia 8G™ Fiber Output Blade for DM® Switchers

Available Accessories

CRESFIBER8G-NP: CresFiber® 8G Multimode Fiber Optic Cable, 50/125 x4 breakout, non-plenum

CRESFIBER8G-P: CresFiber® 8G Multimode Fiber Optic Cable, 50/125 x4 breakout, plenum

CRESFIBER-CONN-SC50UM-12: CresFiber® Fiber Optic Cable Connector (AFL Telecommunications™), SC 50µm, 12-Pack

CRESFIBER-TK: CresFiber® Termination Kit (AFL Telecommunications™)

CRESFIBER-SINGLE-SC-P: CresFiber® Simplex Fiber Optic Cable Assembly, 50/125, SC, Plenum

CRESFIBER-SINGLE-SC-ARMORED-P: CresFiber® ARMORED Simplex Fiber Optic Cable Assembly, 50/125, SC, Armored, Plenum

CRESFIBER-SINGLE-SC-CLEAR-NP: CresFiber® CLEAR Simplex Fiber Optic Cable Assembly, 50/125, SC, Non-Plenum

Notes:

1. The maximum cable length for DigitalMedia 8G Fiber (DM 8G Fiber) is 1000 ft (300 m) using Crestron [CRESFIBER8G](#) multimode fiber optic cable, or 500 ft (150 m) using Crestron [CRESFIBER](#), Crestron [CRESFIBER-SINGLE-SC](#), or third-party OM3 simplex multimode fiber optic cable. Refer to the [Crestron DigitalMedia Design Guide, Doc. #4546](#) for complete system design guidelines. All wire and cables are sold separately

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/salesreps or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: patents.crestron.com.

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