

2-Channel DigitalMedia™ Fiber Output Card for DM® Switchers

- > Modular output card for a DM-MD8X8, DM-MD16X16, or DM-MD32X32 switcher
- > Provides two independent DM® Fiber outputs
- > Supports cable lengths up to 1000 ft (300 m) using CresFiber® 8G or OM2/OM3 duplex 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 card slot

The DMC-FO is an output card designed for use with any card-based Crestron® DigitalMedia™ Switcher. It provides two independent DM® Fiber outputs. Each DM Fiber output enables connection to a DM Fiber Receiver, or the input of another DM switcher, using two strands of multimode fiber. Both outputs are capable of handling video resolutions up to Full HD 1080p, as well as computer resolutions up to UXGA and WUXGA. DM Fiber transports uncompressed high-definition video and computer signals over distances up to 1000 feet (300 m) using CresFiber® 8G or third-party OM2/OM3 duplex multimode fiber optic cable.^[1]

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

SPECIFICATIONS

Video

Signal Type: DM® Fiber (DigitalMedia™ over two multimode fiber optic strands)

Formats: DM Fiber with Deep Color & 3D; HDCP content protection support)

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

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

Signal Type: DM 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 Fiber, HDCP, EDID, CEC, Ethernet

Connectors

D, M: (4) SC female optical fiber connectors comprising (2) DM Fiber outputs;

Each DM Fiber output connects to the DM Fiber input of a DM receiver or other DM device via CresFiber® 8G fiber optic cable^[1]

Construction

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

Weight

6.2 oz (176 g)

DMC-F0 2-Channel DigitalMedia™ Fiber Output Card for DM® Switchers

MODELS & ACCESSORIES

Available Models

DMC-F0: 2-Channel DigitalMedia™ Fiber Output Card 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-DUAL-SC-P: CresFiber® Duplex Fiber Optic Cable Assembly, 50/125, SC, Plenum

CRESFIBER-DUAL-SC-ARMORED-P: CresFiber® ARMORED Duplex 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

MP-WP Series: Media Presentation Wall Plates

Notes:

1. The maximum cable length for DigitalMedia Fiber (DM Fiber) is 1000 ft (300 m) using [CRESFIBER8G](#), [CRESFIBER-DUAL-SC](#), or third-party OM2/OM3 duplex 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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