



*Introducing a new way to think about fiber optics...
Total optical infrastructure...all the way to patch*



Applications

MOBILE PRODUCTION

- *Truck to Truck*
- *Truck to Booth/Tower*
- *Truck to Field/Arena/Floor/Stage/Ice*
- *I/O Panel to Patch*
- *Patch to Router, back to Patch*
- *Patch to Monitor Wall & Production*
- *Patch to Equipment and back*
- *Patch to Audio and back*

FIXED FACILITY

- *Control Room to Studio*
- *Control Rooms to Master Control*
- *Edit Bays to Master Control*
- *Master Control to Archive/Tape/DDR*
- *Master Control to Graphics*
- *Master Control to Transmission*
- *Patch to Equipment and back*
- *Patch to Audio and back*

STADIUM or CAMPUS

- *Control Room to Stadiums*
- *Control Rooms to Studios*
- *Control Room to Transmission*
- *Large Screen Display Distribution*
- *Courtesy Feed & Suites Distribution*
- *Multifacility Resource Sharing*

www.telecast-fiber.com

Tons of Savings, Higher Capacity

Telecast's Mamba represents a quantum advance in fiber optic technology for television broadcast production. Originally conceived to help mobile units save cable weight and congestion, translating into more room for revenue generating gear, this infrastructure has developed into a complete facility solution. It comprises an integrated family of optical distribution products specifically developed for the production environment...one which dramatically increases the signal capacity of your facility or mobile unit.

The heart of the Mamba family are familiar, low profile video and audio patchbays, using the Mini-WECO and Bantam jacks you are familiar with. Now all interframe cables are fiber optic...smaller, lighter and easier to manage. With optional features like optical DA outputs, you also save the cost and space of conventional distribution amplifiers.

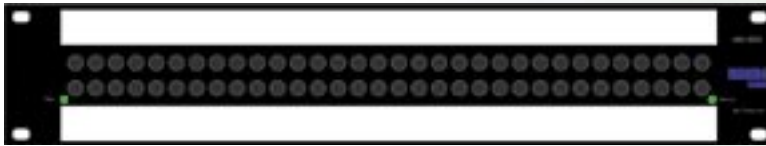
Completing the family are electrical to optical media converters for HD/SDI, AES-EBU and analog audio. Fiber cables are standard single mode type, with field proven ST and MTP connectors.

Cleaner Signals, Faster Setup

Another driving factor for fiber optics is the advent of digital television, specifically HDTV. Unlike conventional copper, fiber does not suffer bandwidth limitations over distance, so you are assured of more reliable performance, without the need for equalization or amplification.

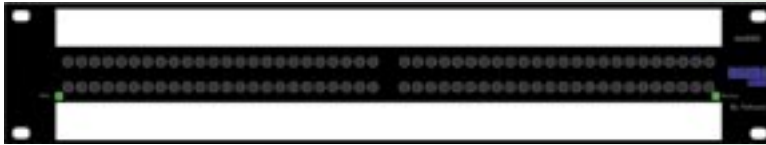
With an integrated optical infrastructure it becomes even easier and faster to move, add and change. It takes fewer cables to link floors in a building. It may take only three or four lightweight fiber cables to join two mobile units together.

And Mamba benefits from Telecast advances in multiplexing and signal handling. Audio and AES patchpays can be reassigned as sub-groups, from hundreds of available channels, without recabling. Our wavelength management device, called Teleport™, makes it even easier to create high capacity, flexible, lightweight fiber optic trunks to interface between your infrastructure and your remote locations.



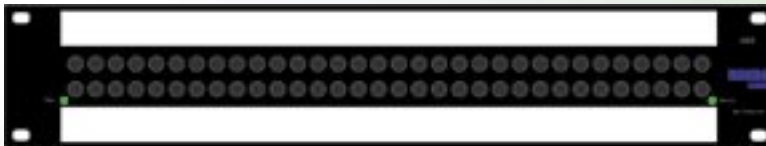
Video Patchbay, HD/SDI

1.5RU; Mini-WECO 2x32. Half normal, video out top row without signal disruption. Optional dual fiber outputs. Fiber In/Fiber Out; also available fiber in/coax out & coax in/fiber out.



Analog Audio Patchbay

1.5RU; Bantam 2x48. Half normal. Four assignable groups of 12 ch. correspond to various media converters on 1.5 Gbps drop and insert bus. Optional mic/line selectable. Fiber in/out at group & bus levels.



AES Patchbay

1.5RU; Mini-WECO 2x32. Half normal. Four assignable groups of 8 dual audio AES/EBU channels correspond to various media converters on 1.5 Gbps drop and insert bus. Fiber In/Fiber Out; also available fiber in/coax out & coax in/fiber out.



Media Converter, HD/SDI

1RU. Converts HD/SDI (19.4Mbps to 1.5Gbps) to fiber (TX unit), or reverse (RX unit). 8 or 16 ch. frames. EQ on TX unit. Uses MTP & BNC connectors.



Media Converter, Audio

1RU. Converts 12 audios to fiber (TX unit), or reverse (RX unit). I/O at 12 ch. group (75Mbps) & bus (1.5 Gbps) rates. Also converts to analog audio from AES TX converters. ST/XLR.



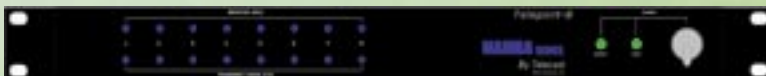
Media Converter, AES

1RU. Converts 8 or 16 AES/EBU dual audio channels to fiber. I/O at 8 ch. group and bus rates. Also converts to AES from analog audio TX converters. ST/BNC.



DiamondBack II, NTSC/PAL

1RU. Converts 8 NTSC/PAL to fiber. Output at 2.5 Gbps, patchable by Mamba video patchbays. ST/BNC. (See DBII brochure.)



Teleport™

1RU. CWDM wavelength manager. 4 or 8 optical channels each way on 2 fibers. Fiber and/or coax in/out at each channel.

