

DiamondBack™ 4x4

Bi-directional Video Mux/Demux with Ethernet & Adder Ports



This powerful, bi-directional 4-channel broadcast quality video mux also transports 10/100 Ethernet, plus audio, intercom and data from our Adder II systems.

The DiamondBack 4x4 is the newest iteration of our popular DiamondBack line of video multiplexing systems. This powerful system turns just two optical fibers into your reliable bi-directional pathway for multiple video, audio, data and intercom channels.

The DiamondBack 4x4 supports all aspects of TV production, including booth packages, and analog signal distribution around your facilities. This system is also a low cost tool for video/audio telecommunications on a single fiber cable for distances of up to twenty kilometers.

Now with Ethernet and More

With built-in 10/100 Ethernet connectivity, extending your LAN into the field has never been easier. An integrated "maintenance" intercom channel allows for convenient communication for faxing/verifying the system. Dual RS232 ports add utility data support.

Integrated Optical Redundancy

Optional dual lasers on the transmitter and dual detectors on the receiver provide full optical redundancy with automatic switchover in case the main fiber path is disrupted. The dual laser transmitter can also "split" all signals and send them to multiple receivers.

High Capacity, Flexibility

The DiamondBack 4x4, in concert with the Adder series audio/data multiplexer, accommodates a mix of video, audio, data, GPI switch closures and intercom. Each of the 4 sets of (loop through) rear panel BNCs independently accepts an NTSC, PAL, SECAM or component video input. For receiving, dual BNCs provide a pair of video outputs for each channel. The auxiliary ("Audio/Data") BNC is the input for the coaxial output of any Adder audio/data multiplexer.

Thus, the DiamondBack 4x4 can transmit four video channels, plus up to 64 audio channels, Ethernet and matrix intercom, all in both directions on just two singlemode fibers. Use CWDM optical multiplexing through our TelePort™ or TeleThon™ products to further multiply this capacity by up to a factor of eight, on the same two single mode fibers.

Trust Telecast

The DiamondBack 4x4 features the same high reliability as our other broadcast production systems. Our systems work every day in every broadcast environment around the globe. You count on Telecast, and you can count on the new DiamondBack 4x4 for your analog video transport needs.

Features

- 4 bi-directional broadcast quality video channels NTSC/PAL/SECAM
- Aux port carries Adder audio & data
- Built-in 10/100 Ethernet
- Built-in maintenance icom channel
- Dual RS232 data ports
- Up to 20 km on single mode fiber
- Auto standby optical redundancy
- Loop thru video inputs on TX
- Dual video outputs on RX
- Optional dual laser outputs
- Optional dual hot-standby receive
- Front panel monitoring of all I/O
- Front panel optical power meter
- Redundant DC Power Inputs
- Fast plug-and-play operation
- TelePort/TeleThon ready for CWDM

Applications

- Broadcast Announce Booth feeds
- Studio infrastructure
- Courtesy and Utility Video
- High End Video Surveillance
- Television Traffic Cams
- Distance Learning
- Corporate Video Distribution
- Video-Arraignment & Tele-Medicine
- Telco last mile and local loop
- CLEC access to IXC POP