

XFO

Uncompressed HD-SDI Router over Fiber Optic

OVERVIEW

XFO is an integrated system that provides uncompressed video transport and routing over fiber optic networks. As broadcasters are approaching towards IP infrastructure, XFO is the right solution in this process.

XFO system is comprised of IPSDI, SDIIP and XFO subsystems. SDIIP and IPSDI function as encapsulator and de-encapsulator of uncompressed HD-SDI video over IP respectively whereas XFO does the 10Gbps switching.

XFO system has low latency and fast switching capability which is essential for a video applications. User interface is via web and is accessible from every PC or tablet supporting web browser.

The system is capable of transporting 8 uncompressed bi-directional HD-SDI video on a single 10Gbps fiber optic link which means significant cable reduction compared to traditional SDI routing infrastructure. Fiber optic links can be up to 10km (LR) or 300m (SR) without any degradation of signal quality. The system is scalable up to 40x10Gbps links and 320x320 HD-SDI uncompressed video.

FEATURES

- Uses 10GbE innovative technology
- Reduced cabling cost compared to traditional coaxial cables
- Distance up to 10km without any repeater
- 8 uncompressed HD-SDI video & embedded AES audio on single fiber optic link
- Redundancy on signal routing & power
- Web GUI control from PC or tablet
- Thumbnails of all input video on control interface
- Clean/Quiet switching
- Distributed routing
- No need for router control panels
- No signal quality degradation in the path
- Scalable from 8x8 up to 320x320 HD-SDI
- Affordable total system cost

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Block Diagram

