

M-Link Exchange



M-Link Exchange is the broadcast video receiver for the M-Link live and store & forward clients; offering a professional solution for video contribution from news crews and journalists as well as ad-hoc contributions from the public.

Overview

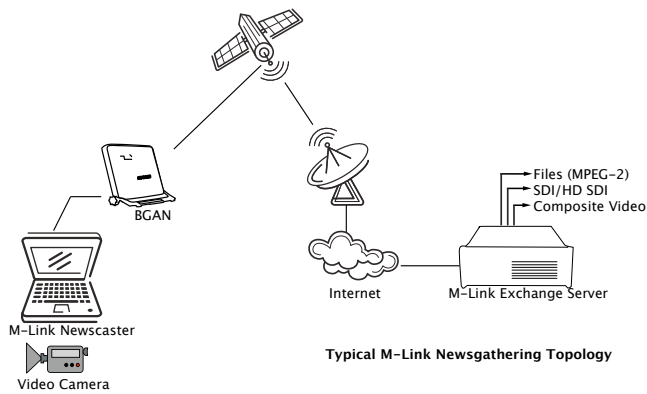
This comprehensive receiver system is available as an integrated rack mount server designed for integration into a news-room with professional SDI & HD-SDI interfaces as well as legacy composite and analogue audio presentation. M-Link provides news organisations, government and military services, with a comprehensive end-to-end video delivery service optimised for mobile and IP communications.

Key Features

- Outstanding H264/AVC codec allows delivery of high quality video over narrow bandwidth connections
- Automatic appending in the event of a connection failure
- Large, worldwide deployment by mainstream broadcasters
- Playout of partially received files
- Optimised use of available bandwidth saving costs and transmission times
- Can accept 'ad hoc' feeds from the public
- Will accept feeds via any IP network
- Comprehensive support and upgrade policy
- High Definition support - progressive and interlaced broadcast quality HD (optional)
- Central management plans for large rollouts, reduces management & maintenance overheads (optional)

High Definition Support

M-Link Exchange has an option for High Definition support, allowing an M-Link Newscaster client to file HD material from the field. The outstanding performance of the M-Link H.264/AVC codec makes the delivery of very high quality 1080i footage possible over narrow bandwidth connections.



Live Video Feeds

M-Link Exchange supports live video feeds from M-Link Live X clients. Fully optimised for use over 3G/4G and satellite, the system offers exceptional picture quality and very low latency. When used over the Inmarsat BGAN 256kbps streaming class service, M-Link can offer SIF resolution at the native frame rates (PAL 25fps, NTSC 29.97), the result is high quality video without compromising motion handling. Where higher connection speeds are available M-Link can offer Full DI resolution, native frame rates and exceptional picture quality.

IFB

For 2-way communications between live contributor and the studio or MCR external audio and video feeds can be connected to the M-Link Exchange server in order to provide return audio and video to the contributor. This enables 2-way live interviews and can provide the contributor with “studio sound” so they know what is going on back at base.

Connectivity and Playout

M-Link Exchange receivers are installed with a wide range of news and media organisations, and will accept M-Link Newscaster feeds from around the world via any IP network – including contributions made via Inmarsat BGAN, DVB-RCS, VSAT, Thuraya-IP, ADSL, SDSL, Wi-Fi Internet, 3G/4G or an Intranet connection

Communications

To provide efficient communications for M-Link and 3rd party video reporting solutions the M-Link Exchange Server supports FTP (passive/active mode), the HTTP (generic and optimised) and Web upload transmission methods. These protocols are implemented as ‘plug-ins’ providing flexibility to include other efficient protocols in the future.

Technical Specifications

Video Playback: M-Link originated files, file playable in QuickTime for Windows and any DirectShow playable file.

Network Protocols: Live - UDP & TCP, S&F - TCP

Video Outputs: SDI/HDSDI with embedded audio, Composite, Component

Video Inputs: FireWire

Audio Inputs: Balanced Audio on ¼ inch jacks or FireWire

Audio Outputs: SDI/HD-SDI Embedded Audio, XLR audio outputs

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