

M-Link[®] Exchange

Receive Server for SD/HD
Live & File-based Video



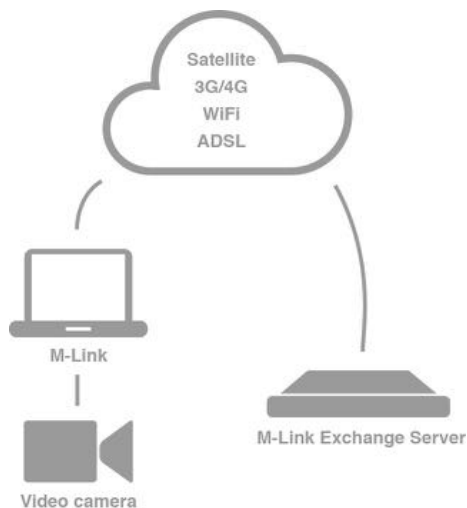
M-LINK EXCHANGE

M-Link Exchange is the broadcast video receiver for 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.

The latest generation of M-Link Exchange incorporates RazorLink[®] technology, the next level in network optimisation and bonding.

This comprehensive receiver system is available as a rack mount server designed for integration into a newsroom with professional SDI & HD-SDI interfaces as well as optional analogue video & audio presentation. M-Link provides news organisations, government agencies and expedition/sports events, with a comprehensive end-to-end video delivery service optimised for mobile IP communications.

M-LINK EXCHANGE NETWORK



KEY FEATURES

- **NEW** – Accelerated file delivery from RazorLink enabled M-Link clients
- **NEW** – Optional support for bonded connections from RazorLink enabled M-Link clients
- Outstanding H264/AVC codec allows delivery of high quality video over narrow bandwidth connections
- Automatic file appending in the event of a connection failure
- Playout of partially received files
- Optimised use of available bandwidth saving costs and transmission times
- Can accept 'ad hoc' feeds from the public via optional secure web page
- Supports feeds delivered across any IP network
- Comprehensive support and upgrade policy.

INTERRUPTIBLE FEED BACK (IFB)

For 2-way communications during live sessions, studio audio and video feeds can be connected to the M-Link Exchange server providing return audio and video to the contributor. This enables live 2-way interviews to be conducted with minimal latency.

LIVE VIDEO FEEDS

M-Link Exchange supports live video feeds from M-Link Live X clients. Optional RazorLink bonding technology offers support for aggregated connections from the latest generation 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 384kbps streaming class service, M-Link can offer SIF resolution at 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 SD or HD resolutions at native frame rates and exceptional picture quality.

CONNECTIVITY & PLAYOUT

M-Link Exchange receivers are installed across a large number of news and media organisations worldwide, and will accept M-Link Newscaster or Newscaster Mobile feeds via any IP network – including contributions made via Inmarsat BGAN/HDR, Ka-band, DVB-RCS, V-SAT, Thuraya-IP, DSL, Wi-Fi Internet, 3G/4G or an Intranet connection. File play back and live feeds can be delivered simultaneously on separate HD-SDI interfaces.

OPTIONAL FEATURES

- High definition support - Progressive and interlaced broadcast quality HD
- Central management for large client rollouts, reducing management and maintenance overheads.
- RazorLink support for bonded connections

TECHNICAL SPECIFICATIONS

Video Formats	1080i/p, 720p, NTSC and PAL
Video Bitrates	User configurable, default options range from 128Kbps (SD) to 12Mbps (HD)
Network Protocols	Livewire proprietary FTP and HTTP
Optimisation & Bonding	RazorLink®
Minimum System Requirements	Dual Core 2.6GHz 4GB RAM
Minimum Screen Resolution	1024 x 768
Recommended For HD	Quad Core Xeon 8GB RAM

COMMUNICATIONS

To provide efficient communications for M-Link and 3rd party video reporting solutions the M-Link Exchange Server supports standard FTP (passive/active mode), 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.