

## M-Link Voyager H.264 AVC live and store & forward video software

### M-Link Voyager H.264 AVC

M-Link Voyager H.264 AVC is the latest Livewire digital mobile video product, which provides the broadcast quality video solutions for rapid and comprehensive news gathering via satellite, mobile, IP and ISDN networks. M-Link Voyager H.264 AVC is the professional solution for the delivery of news and documentary wherever the action is taking place.

Using the latest H.264 AVC video codecs, M-Link voyager H.264 AVC offers fully interlaced PAL and NTSC standard definition formats, with optional high definition support. M-Link Voyager H.264 AVC also support live H.264 AVC video delivery, providing high quality, low latency live video, direct to the M-Link exchange server.

The M-Link Voyager H.264 AVC recording and transmission system is a highly mobile, reliable and compact solution, which can be deployed and operated by a single reporter in remote and hostile locations.

### The complete solution

The M-Link Voyager H.264 AVC in combination with the M-Link exchange server, provides news organisations, government and military services, as well as the seismic and oil industries, with a comprehensive end-to-end video delivery service optimised for mobile and IP communications like Inmarsat BGAN.

M-Link Voyager H.264 AVC has a comprehensive, ongoing support and upgrade strategy, incorporating hardware, software and customer service.

### Video transmission & receiver playout

M-Link Voyager H.264 AVC video feeds can be delivered to any M-Link exchange receiver which is installed across a range of news and media organisations, and will also accept M-Link IP - reporter feeds from around the world via ISDN and IP. Playing out via HSDI, SDI or analogue the servers can effortlessly be integrated into the newsroom.

Where communications links are intermittent or unreliable, M-Link's automatic appending will guarantee that the story gets through. The protocols offer the most effective use of the available bandwidth, reducing both costs and transmission times.

Designed to deal with the complexity of managing multiple mobile in the field, the M-Link exchange receivers maintain backward compatibility with all deployed Livewire Digital video systems, while supporting a new range of video formats with SDI playout.

### M-Link open architecture

The M-Link open architecture incorporates the latest 'codec plug-in' technology, which allows users to choose the most appropriate compression technique for their application.

This includes the latest H.264 AVC industry standards while maintaining backward compatibility with Windows Media 9 (WM9), MPEG-2 and MPEG-1. M-Link voyager H264 AVC generates fully compliant H.264 AVC streams from 128 kbps upwards, providing exceptional picture quality and reduced on-air costs.

**Field unit**

M-Link Voyager H.264 AVC can be used with a range of satellite terminals or simply over the public Internet.

For remote newsgathering, especially in combination with Inmarsat BGAN terminals, M-Link voyager H.264 AVC offers the ideal solution - with up to 256 kbps streaming class and 492 kbps background class operation.

**Acquisition and editing**

M-Link Voyager H.264 AVC offers simple video acquisition tools as well as support for professional no-linear editing packages, such as News Cutter DV, allowing customers to configure their workflows to suit their field and newsroom operation.

**Firewall**

M-Link products contain advanced features to allow easy transfer of video within any network structure. The file transfer technology is designed to allow video to be sent to locations where Internet access is highly restricted, filtered or censored.

**High definition support**

M-Link Voyager H.264 AVC has an option for high definition support, allowing 1080i footage to be delivered directly 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**

M-Link Voyager H.264 AVC supports live video over Inmarsat's BGAN streaming class services, delivering, low latency, high quality video direct to the M-Link receiver where it is played out as SDI or composite with embedded analogue audio. Event with data rates as low as 256 kbps, M-Link Voyager H.264 AVC can deliver native frame rates (25 fps PAL & 29,97 fps NTSC) at SIF resolution.

**Optimised ISDN**

The optional M-Link optimised ISDN package includes the ISDN hardware and additional software for transmission over ISDN based satellite services. This package also includes Live! H.320 video support for compatibility with Talking Head and M-Link H.320 Live receivers operation at 64 and 128 kbps.

**Support and upgrade policy**

Newsgathering in remote or hostile environments can be very challenging for the reporter and the equipment. Excellent support contracts are available on all M-Link products offering expert advice on all aspects of using the equipment in conjunction with Inmarsat, the Internet and ISDN. In line with Livewire's policy of protecting the customer's investment, all M-Link products come with a high level of compatibility. For those Livewire Digital customers that wish to upgrade their existing equipment to the latest M-Link technologies, a cost-effective upgrade path is available.