When broadcasting live video, the primary challenge is to achieve the highest-quality video with the lowest possible latency. Often the location from which you’re broadcasting dictates the quality of available communications networks, which can then in turn have an impact on quality and latency. If multiple communications networks are available, such as ADSL, Wifi, cellular and satellite, bonding technology can weave these disparate technologies together, with the aim of creating a stable low-latency connection for broadcast. Traditionally, bonding solutions have been hardware-based, meaning that broadcast engineers and journalists had to transport another physical piece of equipment on location, a piece of equipment that could be vulnerable to loss or damage.

The Quicklink engineering Team have developed a best-in-class encoding software with H.264 and HEVC/H.265 codec technology to help deliver high-quality live video streams. The software’s high performance bonding algorithm aggregates multiple available satellite and IP based networks. It maximizes the rates of transmission to allow you to create memorable live broadcasting moments.

Quicklink Windows Bonded Live Software
A cutting edge live video compression and transmission solution over the Windows Live platform

Windows Bonded Live Software, from Quicklink Video Distribution Services Ltd., brings together the latest and most efficient video codec and combines it with innovative bonding technology over communications networks to achieve a reliable and stable internet connection for broadcasting live video.

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With Quicklink Windows Bonded Live Software, the bonding is all carried out on a software basis. The software bonds together multiple available networks in order to improve the speed and reliability of the internet network. It can automatically detect available networks and seamlessly adjust to suit network conditions, whilst still maintaining optimum broadcast quality.

Key benefits
1. Software based bonding solution for low-latency live broadcasting from any remote location
2. Reliable and stable connections thanks to the Quicklink advanced bonding algorithm
3. Easy to use intuitive interface with default options for ‘grab and go’ live broadcasting
4. Consistent outstanding video quality even with low bandwidth
5. Optimised for satellite connectivity
Inmarsat coverage

Quicklink Windows Bonded Live Software is supported by Inmarsat’s global network coverage, ensuring reliable access to critical data from remote sites anywhere in the world.

Combined I-4 and Alphasat coverage □ I-4 Americas □ I-4 MEAS □ I-4 Asia-Pacific

This map depicts Inmarsat’s expectations of coverage following the commercial introduction of Inmarsat’s fourth L-band region, scheduled for the end of 2015. It does not represent a guarantee of service. The availability of service at the edge of coverage areas fluctuates depending on various conditions.

Inmarsat.com/solutions

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Efficient transmission

The Quicklink Windows Bonded Live Software solution includes the latest High Efficiency Video Codec (HEVC/H.265) technology in addition to H.264. HEVC provides an optimised and improved compression rate over current H.264 codec. This enables media professionals to broadcast live video at equivalent quality using half the bandwidth, which can be more cost effective.

The solution has been designed with remote journalism in mind. It’s optimised for transmission over satellite networks, and coupled with the coverage and reliability of Inmarsat’s global 3G satellite network, it can enable media professionals to broadcast high-quality live video footage from wherever the news is breaking.

As part of our CAP (Certified Applications Partner) programme, Inmarsat works with a number of solutions providers to ensure that their products are not only compatible with our network, but provide our network users with effective, customer-focused solutions that offer genuine business benefits, whether they’re using the network for voice, broadband, machine to machine connectivity or all three. If you’re looking to leverage the reliable, global reach of Inmarsat’s award-winning satellite network to broadcast live video from wherever the news is breaking, Quicklink Windows Bonded Live Software is an ideal solution. Quicklink Windows Bonded Live Software has been certified for use over the following Inmarsat services:

- Global Xpress
- BGAN
- BGAN HDR

Features

- HEVC/H.265 or H.264 encoding options
- Automatic bandwidth-speed detection with automatic adjustment
- Automatic format detection: PAL and NTSC
- Resilient IP transport with synchronized audio
- Profiles optimised for satellite transmission

Usage scenarios

- Broadcast engineers
- Video journalists

About Inmarsat

Inmarsat is the leading provider of global fixed and mobile satellite communications services. Since 1979, Inmarsat has been providing a range of reliable voice and high-speed data communications services to governments, enterprises and other organizations that can be used on land, at sea or in the air. Inmarsat pursues an open network strategy, working with innovative developers and solutions providers to certify their products as ‘Inmarsat-ready’, meaning they are compatible with our network and can provide our customers with genuine business benefits.

About Quicklink Video Distribution Services Ltd.

Quicklink Video Distribution Services Ltd is the leading global provider for cost effective, high quality broadcast solutions in the fields of news, sport, entertainment and corporate media. Their solutions offer the best in class for achieving superb video and audio quality even from slow internet connections. Optimisation of available bandwidth means that outstanding results can be achieved from a variety of connections such as WiFi or 3G/4G networks.

How to buy

Inmarsat offers its services through a range of partners around the world. Contact us for information on your local provider and to find out how our range of services and solutions can add value to your business:

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