

TelePorter™ 1U

Live Video Delivery System



TelePorter 1U
Office-to-Office Live Video
Streaming System

VIDEO / AUDIO
REMOTE OFFICE LOCATION

VIDEO / AUDIO
HEADQUARTERS

The TelePorter-1U transports a video/audio signal from a remote office location to a headquarter office location for live video streaming applications. Teleporter is ideal for TV broadcasters, teleconferencers, emergency response and any video streaming application to provide live video from a remote office location, to a Headquarter office, with high quality, high reliability and very low glass-to-glass latency. Any video source can be connected to the TelePorter-1U unit via SDI or HDMI, and connect up to 8 wired Internet connections (such as Cable, ADSL, T1, E1 etc.) and start streaming to the Bonding Proxy Appliance at the headquarter office which provides video/audio output via HDMI or SDI. Teleporter also supports streaming directly to a web-page and mobile devices.

remote office to the Headquarter office and that uses the total aggregate bandwidth for the video streaming.

Low latency video streaming - TelePorter-1U provides very low glass-to-glass latency.

High Reliability video streaming - TelePorter-1U leverages a technology based on Network Calculus that minimizes the effects of the channel variations of the Internet links, therefore enabling a very unique and highly reliable video feed.

High Quality video streaming - The cutting-edge resource allocation algorithms at the remote location, combined with the custom video encoder provides a high quality video stream with high resolution and high frame rate.

Adaptive video streaming - TelePorter-1U dynamically adapts to the available bandwidth and provides the best possible video feed at any given time.

Broadcast standard inputs & outputs - TelePorter uses industry standards, including SD/HD/3G-SDI and HDMI inputs with embedded audio.

HD video - TelePorter can support up to 1080p video resolution at 60 or 50 frame rates

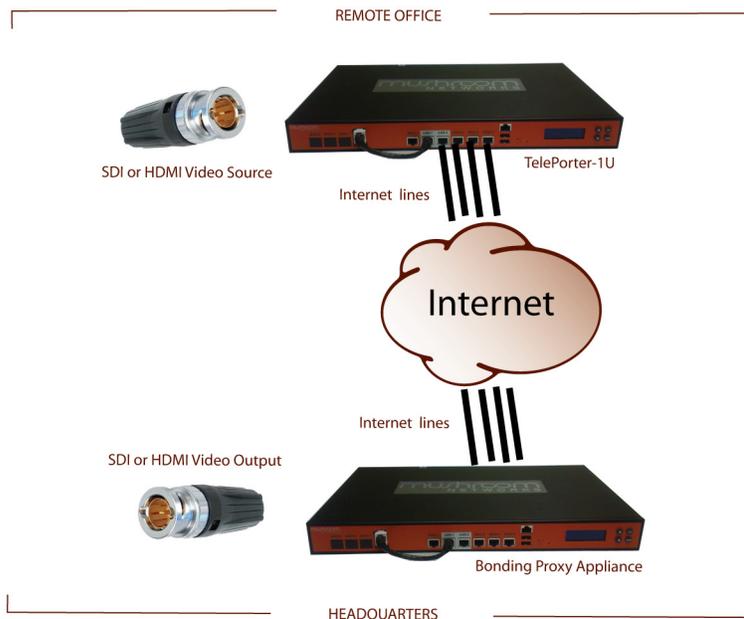
**Live
Video
Delivery**



FEATURES

Video Streaming over bonded Internet

TelePorter-1U leverages Internet bonding technology and various optimization algorithms for video streaming. This provides an IP transport that is optimized for live video streaming from the





TelePorter-1U



Bonding Proxy Appliance

TELEPORTER-1U MODULE SPECIFICATIONS

Mechanical	16.92"(W)x11.85"(D)x1.73"(H), 19-inch rack mountable
Weight	19 lbs.
Power Requirement	Built in 270 ATX Power supply operated by 110/220V AC
Video / Audio input	H.264 High Profile (up to level 4.1), H.264 Main & Baseline Profile 1080p60/50/30/25/24, 1080i60/50, 720p60/50, 576i and 480i support, NTSC/PAL SD/HD/3G-SDI (embedded audio), Composite, S-video MPEG1 Layer2, MPEG2AAC, MPEG4AAC 32 ,44.1, 48 KHz
IP transport	Support for bonding up to 4 (optional 8) wired Internet lines via GigE ports
Bits per second range for streaming	300Kbps - 30.00Mbps
Temperature Range	0 - 50°C (operating), -20 - 70°C (storage)
Humidity Range	10-95%, non-condensing (operating)
Cooling	Rear-panel fans
Certifications	FCC, CE, RoHS-5, ICES-03, UL, cUL

HEADQUARTER MODULE SPECIFICATIONS

Mechanical Dimensions	16.92"(W)x11.85"(D)x1.73"(H), 19-inch rack mountable
Weight	19 lbs.
Power Requirement	Built in 270 ATX Power supply operated by 110/220V AC
Video / Audio output	1080p60/50/30/25/24, 1080i60/50, 720p60/50, 576i and 480i support, NTSC/PAL SD/HD/3G-SDI (embedded audio), HDMI (embedded audio)
IP transport	Support for bonding up to 4 (optional 8) wired Internet lines via GigE ports
Video Optimization Module	Built-in
Certifications	FCC, CE, RoHS-5, ICES-03, UL, cUL
Temperature Range	0 - 50°C (operating), -20 - 70°C (storage)
Humidity Range	10-95%, non-condensing (operating)
Cooling	Rear-panel fans

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