Qbit

Applications

► Convert internet video streams (HLS) to DVB-compliant MPEG-2 Transport Streams

► Transport MPEG-2 Transport Streams over WAN networks using SRT and RIST

► Transcode MPEG-4 H.264 Video Streams to MPEG-2 Video for legacy receiver equipment

Product Information

Route and transcode between a large variety of protocols using the Qbit Media Router. Using the internal matrix, any kind of input can be routed to multiple outputs, all thinkable combinations are possible.

A large variety of encoding algorithms is supported for transcoding, and the list is always being expanded to include the newest standards.

Specifications

Input / Output Protocols	
MPEG-2 TS	► MPTS, SPTS
	► RTP, Plain UDP, SRT, RIST
HLS (future option)	
RTMP (future option)	
MPEG-DASH (future option)	

Transcoding: Algorithms supported for Decoding

- ► MPEG-4 AVC / H.264 Video
- ► MPEG-4 HEVC / H.265 Video
- ► MPEG-2 Video
- ► MPEG-1 Layer II Audio
- ► MPEG-2 / MPEG-4 AAC Audio (AAC-LC, HE-AACv1, HE-AACv2)

Transcoding: Algorithms supported for Encoding

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- ► MPEG-2 / MPEG-4 AAC Audio (AAC-LC, HE-AACv1, HE-AACv2)

System Configuration, Control and Monitoring

- ► Modern Web UI (compatible with recent versions of Firefox and Chrome)
- ► REST API
- ► SNMP
- ► CLI (local console and SSH)
- ► Advanced authentication system with LDAP support

Network Interfaces

- ► Dynamically assignable network interfaces (interface count depends on hardware configuration)
- ► VLAN Management (802.1q)
- ► Interface Bonding for fallback and / or redundancy (active-backup, 802.3ad, broadcast, etc.)

Hardware Requirements

Qbit Media Router can be deployed on x86-64 COTS hardware as well as a VM deployment on VMware and Hyper-V hypervisors.
As the hardware requirements vary greatly depending on the number of video streams and the used codecs, please contact Qbit for a recommendation for your use case.

Support Options

We are convinced of the high quality of our products. Hence, we are granting 2 years warranty without making compromises.

For the time after that, we offer affordable subsequent contracts.

- ● 2 years warranty

- ○ Service Contract Basic (Updates, Email support) (mandatory)
- ○ Service Contract Advanced (Updates, Email- and phone support, replacement devices etc.)

Legend: ► ● Default   ▷ ○ Optional

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