

# IQOYA

## IP AUDIO SOLUTIONS FOR BROADCAST

With IQOYA, Digigram offers a range of hardware and software solutions that changes the way broadcasters hear IP audio transport. For local, national or global audio transport needs, Digigram helps broadcasters make the move to IP infrastructure with confidence.

More than just point-to-point solutions, IQOYA devices and software constitute the elements of a highly flexible and manageable professional IP audio infrastructure for contribution, delivery and distribution.

## V\*MOTE FULL DUPLEX REMOTE CONTRIBUTION

### THE CHALLENGE

ISDN lines are gradually being phased out in many outdoor locations, and provisioning and maintaining existing lines is becoming more onerous.

Furthermore, carrying additional dedicated and bulky audio interfaces for ISDN transmission is a handicap.

While Voice over IP (VoIP) has been widespread in the telecommunications sector for several years, until now, it did not offer sufficient quality of service for broadcast audio. In the meantime, Wi-Fi hotspots and 3G+ networks are available everywhere.

### FLUIDIP™

IQOYA solutions are based on FluidIP™, a rock-solid N/ACIP (EBU Tech 3326) compliant IP audio codec engine developed by Digigram.

This provides interoperability with third-party IP codec devices, while adding unrivaled robustness, QoS optimization, stream integrity and audio quality.

FluidIP™ runs seamlessly on dedicated IQOYA devices, or within easy-to-integrate software on Windows™ PC platforms.

Current set of audio compression algorithms includes PCM linear 16/24, ISO MPEG-1/2 L1, L2, L3 and ITU G.711/722, ISO MPEG-1/2 Layer I, II and III. Optional audio compression algorithms: MPEG-4 AAC, MPEG-4 AAC-LD, MPEG-4 HE-AACv2, AAC-ELD.



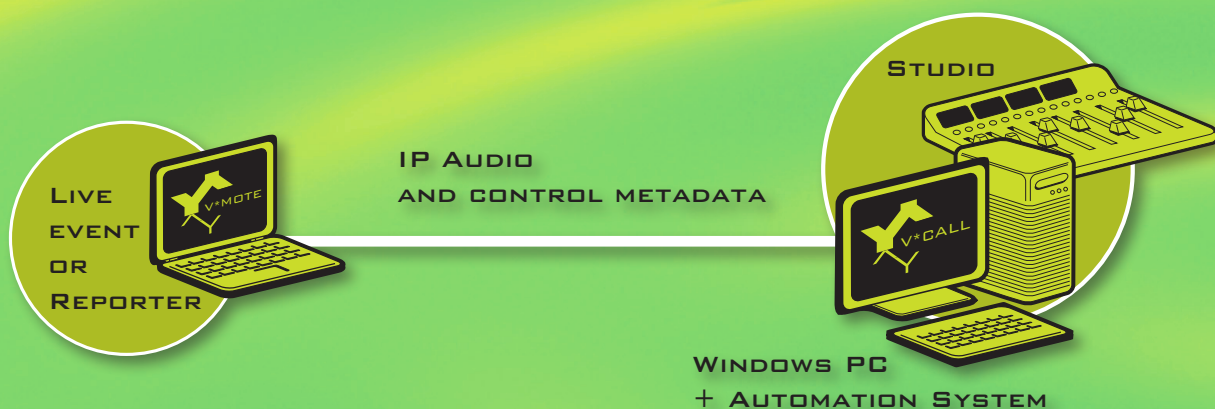
### THE SOLUTION

Reporters are generally equipped with a laptop and an internet connection for website access, email and transferring content to their newsrooms.

The IQOYA V\*MOTE uses FluidIP Session Initiation Protocol (SIP) to establish reliable bi-directional audio in broadcast quality. A reporter will be able to use SIP to connect IP audio devices using familiar telephone-like operations.

By installing V\*MOTE and an audio interface on their laptop, a reporter now has a professional-grade contribution codec in full-duplex with a newsroom or production studio.

## REMOTE CONTRIBUTION



## BENEFITS

- V\*MOTE is a professional application with simple hassle-free ergonomics so that the reporter need not worry about the technical details.
- V\*MOTE can be remotely controlled, providing assistance when used with other IQOYA codecs: ON AIR signal light, talkback signal light, audio settings such as AGC and automatic local backup recording.
- V\*MOTE incorporates EBU Tech Spec 3326 (N/ACIP) interoperability standards for ease of calling any studio or receiving a connection without having to know network or audio format parameters.
- The lightness of the equipment since an additional hardware codec box isn't necessary. Just add a small audio interface such as the Digigram UAX220-Mic and the solution is complete.



## IQOYA V\*MOTE

- Turns any laptop into an IP codec for reporter contribution or remote voice-over
- Compatible with Digigram sound cards and DirectSound™ devices
- RTP/UDP IP audio, SIP/SDP, VoIP phone compatible and EBU Tech-3326 (N/ACIP) compliant
- Simple and optimized graphic user interface
- Automatic Gain Control (AGC)
- TALK function (off air conversation with the studio)
- Remote assistance by a technician over the network (AGC control, ON AIR flag, TALK function)
- Automatic local backup recording
- DirectSound™ driver for interfacing with 3rd party audio editing software