MobileViewpoint

IP contribution solutions for live broadcast

Product Guide 2016

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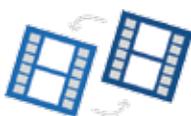
Alkmaar, The Netherlands

We are Mobile Viewpoint

We at Mobile Viewpoint develop complete solutions for live wireless video and data transmission for the media, production and news gathering industry. We manufacture adaptive video encoders using single or multiplexed IP connections. By bundling multiple (mobile) connections together it is possible to create a connection with higher, reliable and more stable bandwidth.

Flex Manager

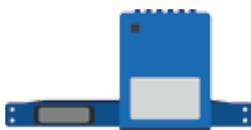Allows you to easily control your devices and connections.

Content Exchange

Allows you to easily control your devices and connections.

Support

Publish your live feeds and recordings to others and monetize your content.

Rental

Our rental service can provide as many systems as required.

Maintenance

With our maintenance contract, your systems will be kept in tip-top shape.

Sim Services

We provide roaming sim cards which covers over 178 countries.

MobileViewpoint

EUR(O)VISION
FLEX

OPERATED BY EBU

Backpacks

OUR STREAMING UNITS

FLEX EXPERT

FLEX AGILE

Racks

19 INCH RACK MOUNTS

FLEX WIO

FLEX IO

Outputs

19 INCH RACK MOUNTS

FLEX O1, O2, O3, O4

FLEX STRM

FLEX **Agile 2.0R**

The smallest full featured video transmitter

The FLEX Agile R is following client demands for smaller, lighter encoders built for harsh environments. The FLEX Agile R is our small and lightweighted solution for live video using bonding 3G/4G connections. It is small enough to fit between a camera body and a battery pack. Yet it still offers up to 8 x 4G modems, WiFi, a LAN connection, Satellite / Ka-Sat / BGAN support and 32GB of removable storage for recording video locally. It has a slick aluminum design that makes it extremely sturdy and it will survive drops of more than 2 meters without problems. It comes in either camera mount or stand alone configuration and both of them fit in a designed backpack with space for antenna's and extra batteries.

Mobile Viewpoint develops complete solutions for live wireless video and data transmission for the media, production and news gathering industry. We manufacture adaptive video encoders using single or multiplexed 3G and 4G connections. By bundling multiple (mobile) connections together it is possible to create a connection with higher, reliable and more stable bandwidth.
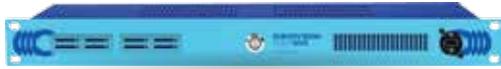
FLEX **Expert**

The full featured backpack transmitter

The FLEX Expert bundles up to 8 mobile network channels (LTE, HSPA+, HSUPA,HSDPA and UMTS) of one or multiple operators into a single broadband channel to provide sufficient upload capacity for video and other high volume data. In addition it is also possible to add Wi-Fi and Ethernet connections to maximize the upload capacity. This makes a total of 10 bonded connections on a single unit.

When a fixed delay of 2, 5 or 10 seconds is selected this will remain the end-to-end delay during the complete broadcast. This is what we consider 'fixed delay time'. IFB or return audio is also available at less than a second delay.

The FLEX Expert is able to handle high bitrate settings of up to 25 Mbps. Using the now available higher connection speeds over LAN, 4G or Ka-Sat, the FLEX Expert can send even higher quality video.

FLEX **WIO**

Live feeds from and to any location in a 1U system

The FLEX WiO encoder is a 1U high system with two bonded Ethernet connections which can be expanded with 8x 3G/4G modems. The FLEX WiO is the ideal back up solution for SNG trucks, but also enables any video vehicle with a boneded wireless uplink.

The system supports both DHCP and fixed IP number configuration and has a separate LCD touch screen for management and configuration. The system can also be managed via the WEB using the Videomanager portal panel and makes it possible to configure maximum bitrate, video resolution and delay.

The solution can be delivered point to point or via a backend server. The backend server is available in two configurations. The basic backend server can handle 2 FLEX WiO encoders and 2 FLEX O systems and store up to 25 hours of D1 video (depending on the hardware version). The premium backend server can handle 20 FLEX WiO encoders and 20 FLEX O systems and store up to 100 hours of D1 video (depending on the hardware version).

FLEX **IO**

2-Way Encoding

The FLEX IO a 19 inch 1U high system with two Ethernet connections providing next to video input also video output or video return.

The system supports both DHCP and fixed IP number configuration via the front LCD panel. The management interface is WEB based and makes it possible to configure maximum bitrate, video resolution and delay. Also the IP configuration can be done via the web interface.

This package includes a service providing access to the FLEX web portal, where you can control, manage and administer the terminal and connections to other FLEX terminals.

FLEX O

The playout

FLEX **STRM**

HLE-1 Encoder

The FLEX O Server can receive and decode up to 4 FLEX streams simultaneously. The FLEX O Server receives these streams through a normal Ethernet connection. It than turns the signal into SDI with embedded audio. The FLEX O is available in 4 models:

FLEX O1 / Decodes 1 FLEX stream,

FLEX O2 / Decodes 2 FLEX Streams simultaneously

FLEX O3 / Decodes 3 FLEX Streams simultaneously

FLEX O4 / Decodes 4 FLEX Streams simultaneously

The FLEX STRM is an encoder for HTTP Live streaming (HLS 1.1). The HLE-1 will encode a multi rate stream ranging from a few kbit up till several Mbit. The encoder has SDI or HDMI input and enables the adaptive distribution of FLEX or any other source to different devices including Android, Apple and Windows.
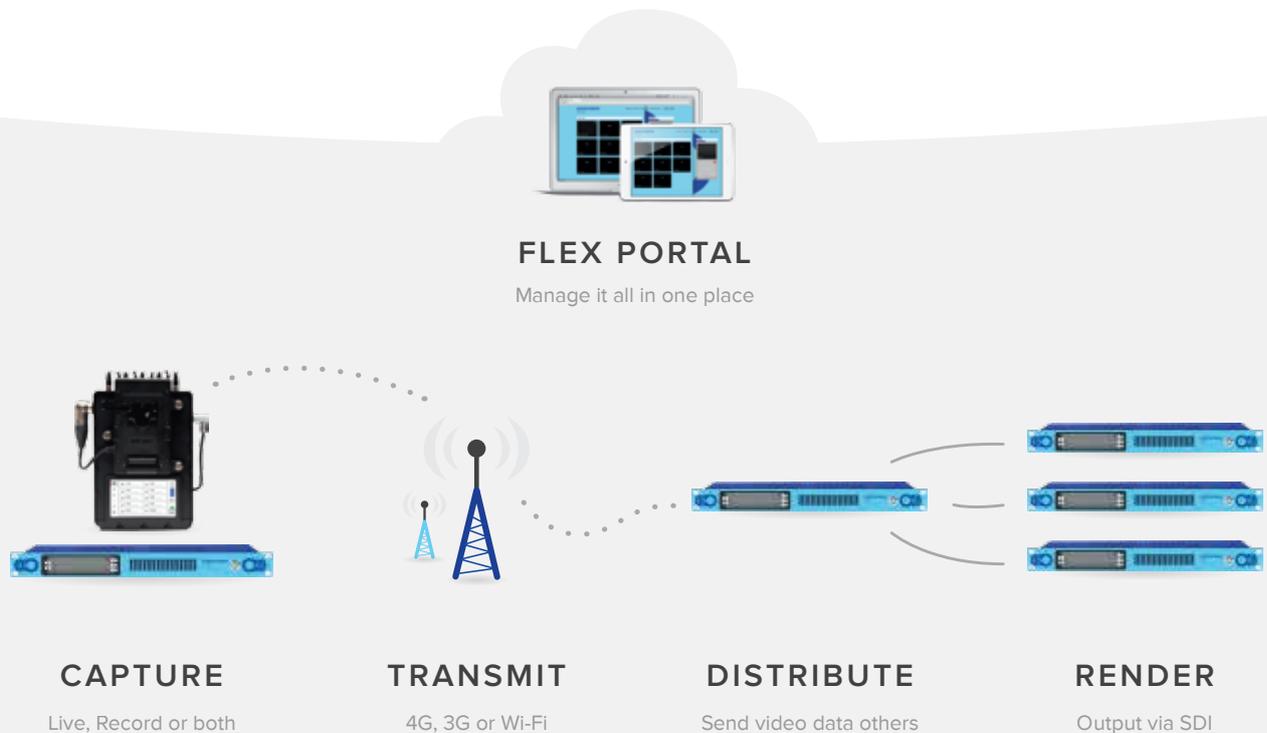
The FLEX STRM encoder accepts both HD SDI video, as well as RTSP IP streams coming from Mobile Viewpoint FLEX encoders. It transcodes them to HLS web streams, which can be distributed by Content Delivery Networks, already in use by customers. On top of this, the FLEX STRM encoder integrates fully with the drag 'n drop Video-manager, giving users full flexibility in choosing which encoder gets sent to the FLEX STRM encoder and HD SDI Playout devices.

Key features

- SD/HD-SDI
- Outputs: Single 1x SDI / Dual 2x SDI / Quad 4x SDI
- IFB or return audio at less than a second
- Local and remote (web-based)management
- HDMI output
- Composite video out
- Ref input
- 1-4 outputs

Key features

- HTTP Live Streaming encoder
- Multi rate stream
- SDI or HDMI input
- Fully integrates with MVP Videomanager
- Transport to edge servers via Webdav
- Embedded webserver for direct access and testing

FLEX Workflow

Control, manage and setup your live transmissions

FLEX PORTAL

Manage it all in one place

CAPTURE
Live, Record or both

TRANSMIT
4G, 3G or Wi-Fi

DISTRIBUTE
Send video data others

RENDER
Output via SDI

Deliver news and other content quickly and cost effectively using the Mobile Viewpoint and EBU live IP Contribution broadcast services. Dedicated IP encoding and decoding appliances, using Mobile Viewpoint's award-winning technology in combination with Eurovision's fiber infrastructure offers a cost-effective solution that offers live video connection regardless of your location.

Using 3G and 4G mobile networks, go live immediately from anywhere without needing a satellite uplink. You can also send high-volume data through high speed FTP connections on location, making Eurovision FLEX the best way to reach your target audience.

Eurovision FLEX offers multiple solutions and services that meet the demands of today's news gathering.

A specifically designed web portal enables you to control, manage and administer wireless edge transmission terminals for live broadcast from selected vendors and set up connections with Eurovision FLEX receiving terminals. Various network options (Eurovision FiNE, ASDL) are available for you to transmit live in the most efficient way.

MobileViewpoint

WMT Portfolio

Video

OUR STREAMING UNITS

WMT LIVE LINK H.265

Audio

19 INCH RACK MOUNTS

WMT AUDIOREPORT

SL25 AUDIO

Output

19 INCH OUTPUT

CDN PLAYER

Live Link H.265

The world first ruggedized H.265 encoder

H.265/HEVC

CAMERA MOUNTED/BACKPACK

10 BONDED CONNECTIONS

INTEGRATED ROAMING SIM CARDS

The Live Link H.265 is the new wearable ruggedized transmitter that encodes video at H.265/HEVC and bonds 8 combined 3G/4G connections for high quality live streaming using Mobile Viewpoint award winning bonding technology. H.265 live video transmission offers the same quality at lower bandwidth consumption, enabling 4K live content, but also saves money at data cards. It is also possible to add Wi-Fi and Ethernet connections to maximize the upload capacity. Other benefits are the ruggedized, aluminum casing, the integrated antenna of the system and the roaming SIM cards buildt-in. It can be used in our newly designed backpack or as a camera mounted model.

Use of multiple networks guarantees the highest band-width, the best possible network coverage and offers a redundant solution. The video is encoded with H.265 hardware codec, which will automatically determine the available bandwidth and continuously transmit on the highest available bandwidth. This ensures transmission of the best possible video quality with the shortest possible fixed delay time.

WMT AudioReport

Live audio from a backpack

SL-25 AUDIO

19 inch audio encoder

With the WMT Audio Report, Mobile Viewpoint introduces a professional audio device for live radio reporting. With two balanced line and microphone inputs and 4 bonded LTE modems the WMT AR is the best you can get for low delay audio reports using bonded 3G/4G connections. The WMT AR is a combination of a high quality audio amplifier and proven WMT bonding technology. At the receiving end the WMT playout will return the audio channel back into analogue balanced audio. This is the same playout used for all other WMT devices. The playout also provides a talk back channel (IFB) with individual volume control.

Key features

- 4 bonded LTE modems
- Remote controllable
- SDI or HDMI input
- Uses existing MVP infrastructure
- Touchscreen with detailed network information
- Continuously seeks the best available network connections

The SL-25 Audio is our solution for the transmission of live audio over IP using professional balanced inputs. The SL-25 Audio fills the gap between the WMT AR and our Fixed IP encoders.

The unit is a 19 inch rack mount and supports two-way audio transmission of 4 channels. For every input it is possible to control the volume and use Mic input using the XLR-3 or Line using stereo 6.3mm jack input. The SL-25 Audio can be used point to point or in a multipoint setup using a WMT server as distribution server. By default the unit is 2-Way but can also be used in one way architecture.

The unit has by default 2 bonded Ethernet ports but it is also possible to add WiFi or a 4G dongle for backup purposes. The unit is remotely manageable but also locally via the Ethernet management port interface. Specific use cases are distribution of daily prayers, local radio distribution and intercom operations. The audio is encoded with AAC and can be set at bitrates between 40 and 256 kbit.