

Mobile Viewpoint WMT Family of Enterprise Receivers

For Mobile and Remote Production for Live Streaming

Remotely Manageable

Decode and playout to SDI or IP

Multicam

1080i/p / NTSC/ PAL / 4K

RCP, IFB & Tally support

Overview:

- Decode and playout live video stream(s)
- Operate with any WMT encoder
- Option for third party encoders
- Decode and playout to SDI or IP
- Multicam Support
- 1080i/p / NTSC/ PAL / 4K
- Additional Remote Production Features
- RCP, IFB & Tally support
- Internal Modems

The WMT family of mobile receivers are Mobile Viewpoint's decoding and playout servers that are typically located at the receiving location. As a vital part of the Mobile Viewpoint broadcast and live streaming workflow, receivers enable the debonding, decoding and playout of simultaneous live SD, HD and 4K video streams generated by Mobile Viewpoint's WMT encoder fleet.

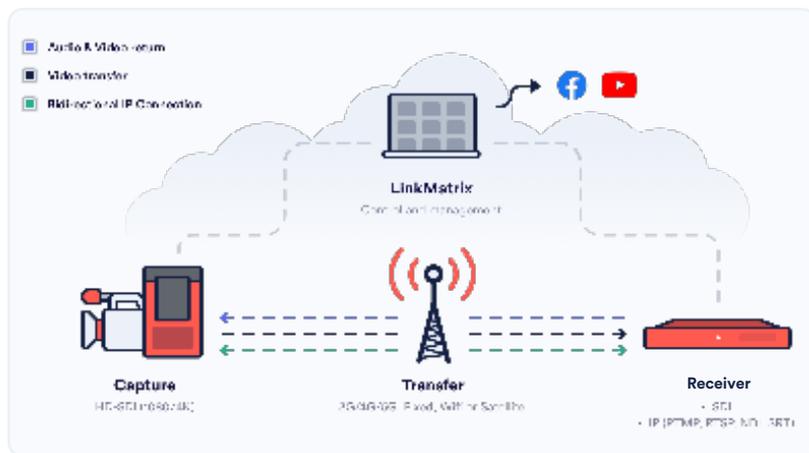


In use by many global broadcasters and production companies to create high quality and low latency video feeds, the servers are used with a range of WMT and other encoder brands, to create live HD-SDI outputs and IP video formats from remote or other studio locations. They also provide ethernet network connectivity back to the encoder in the field for other third party applications such as PTZ control.

Features

- Standard - 1, 2 or 4 livestreams output options (SDI)
- LinkSwitch up to 20x IP streams
- 1x 4K stream output available
- SDI Playout: 3G and 12G
- IP Playout: NDI, RTMP, RTSP, MPEG-TS
- 1U Server- standard debond, decode and playout (includes IFB)
- 2U rack model available – for additional REMI features and PreSonus enhanced IFB option
- Option for LinkSwitch server to debond up to 20 live inputs and can push RTSP streams to other playout servers for SDI output without need of global IP address on remaining servers
- H.265 and H.264 decoding
- REMI Option including RCP and Tally Control
- IFB Support (with enhanced PreSonus option)
- Up to 6 internal modem option
- LinkMatrix – encoders and decoders fully managed by free remote feature-rich management portal

WMT Products - Positioning



- Internal Storage – 120GB
- Encryption & Decryption
- Cloud Workflows supported
- IP stream that can work at same time as encoded video streaming (up to 150Mb/sec) for return IP network
- Bronze, Silver and Gold Support Available
- 1 year warranty
- Point-to-point connection – no reliance on a third party cloud platform for debonding.
- Cloud service can be provided as alternative if required to fulfil IP workflows accessible via LinkMatrix. (LinkSwitch in the Cloud).

For standard playout, Mobile Viewpoint provides the 1U server with up to 4x HD-SDI outputs, but also each model can have a REMI version that is updated to 2U to include RCP, Tally control and PreSonus for enhanced IFB audio return.

There is also the option for a receiver to be configured with internal modems so receivers can be installed in a remote location with no LAN connectivity, such as an OB truck.

Receiver Servers:



1U x 19" Standard Playout Server



2U x 19" Playout Server (with REMI Options)



1U Linkswitch Server - for IP playout with transcoding option

LinkMatrix

A central part of the Broadcast and Streaming workflow is Linkmatrix, a free-to-use management platform that operates from a browser on any device.

This means non-technical journalists and production people in the field do not need to manage the units directly. Linkmatrix can manage individual encoders, destinations, allows proxies to be viewed, enables record & go, implements video return, shows networks and allows other set ups and configurations.



WMT Receiver Models Available:

| Model | Standard Decoder (19" rackmount 1U) | Remi option (19" rackmount 2U) | Modem (M) option* |
|------------|---|--|--------------------|
| 2K2C | 1080i/p Output: 2x SDI + IP | n/a | Modems: 6 internal |
| 2K4C | 1080i/p Output: 4x SDI + IP | + REMI option: RCP & Tally & Presonus | Modems: 6 internal |
| 4K1C | 4K & Full HD Output: 1x 12G SDI + IP (Upgradeable to 4K4C) | + REMI option: RCP & Tally & Presonus | Modems: 6 internal |
| 4K4C | 4K & Full HD Output: 1x 12G or 4x 3G HD-SDI + IP | + REMI option: RCP & Tally & Presonus | Modems: 6 internal |
| Linkswitch | 1080i/p IP Output Only 20 WMT clients Transcoder Option Available | n/a | n/a |

* For internal modem layout, requires additional receiver in workflow path

Technical specifications:

| | 2K2C / 2K4C | 4K1C | 4K4C | LinkSwitch |
|----------------------------|--|--|--|--|
| Power | | | | |
| Power Requirements | 90-240V | 90-240V | 90-240V | 90-240V |
| Consumption | 90W | 90W | 90W | 90W |
| Redundant power supply | On request | On request | On request | On request |
| Hardware Properties | | | | |
| Screen for admin | ✓ | ✓ | ✓ | |
| Size (1U server) | 19" wide (482.6 mm), 1U is (1.75" or 44.45 mm) | 19" wide (482.6 mm), 1U is (1.75" or 44.45 mm) | 19" wide (482.6 mm), 1U is (1.75" or 44.45 mm) | 19" wide (482.6 mm), 1U is (1.75" or 44.45 mm) |
| Weight | 2.1 Kg | 2.1 Kg | 2.1 Kg | 2.1 Kg |
| Operational Temperature | 10°C (50°F) or above 28°C (82°F) |
| Encoders supported | ALL (WMT and 3rd party encoders via RTSP) |
| Hosted Management | | | | |
| Linkmatrix Compatible | ✓ | ✓ | ✓ | ✓ |

Technical specifications:

| | 2K2C / 2K4C | 4K1C | 4K4C | LinkSwitch |
|--|-----------------------------------|--|--|-------------------------------------|
| Total no. of live connections | 2/4 | 1 | 4 | 20 WMT Devices 50 iPhone Clients |
| Total no. of SDI connections | 2/ 4 (HD - 3G) | 1 (4K-12G) | 4 (1x 12G OR 4x 3G) | n/a |
| IP Output | RTMP, RTSP, NDI, TS-MPEG | RTMP, RTSP, NDI, TS-MPEG | RTMP, RTSP, NDI, TS-MPEG | RTMP, RTSP, NDI, TS-MPEG |
| Network Connectivity | | | | |
| Ethernet ports 10/100/1000 base-t | 1 + 1 management port | 1 + 1 management port | 1 + 1 management port | 1 + 1 management port |
| Inputs | | | | |
| Ref input Genlock | ✓ | ✓ | ✓ | n/a |
| Microphone or line input for talkback (IFB return) | ✓ | ✓ | ✓ | ✗ |
| Video Support | | | | |
| Full HD | 1080i/p NTSC & PAL 25/30/50/60 | 1080i/p NTSC & PAL 25/30/50/60 | 1080i/p NTSC & PAL 25/30/50/60 | 1080i/p NTSC & PAL 25/30/50/60 |
| 4K UHD | n/a | 1 channel | 1 channel | n/a |
| Other Inputs | | | | |
| USB Options | PreSonus, Focusrite * | ✓ | ✓ | n/a |
| RCP 3G/4G) | ✗ | option | option | ✗ |
| Tally | ✗ | option | option | ✗ |
| Audio | | | | |
| Integrated PreSonus Option for True Intercom | ✗ | 4 channel balanced audio in/out as part of REMI option | 4 channel balanced audio in/out as part of REMI option | n/a |
| Audio Format | Embedded audio | Embedded audio | Embedded audio | Embedded audio |
| IFB Audio input with less second delay | ✓ | ✓ | ✓ | n/a |
| Internal Storage | | | | |
| Internal storage | 120GB | 120GB | 120GB | 120GB |
| Internal Modems | | | | |
| Internal modems | Up to 6x 3G/4G/5G | Up to 6x 3G/4G/5G | Up to 6x 3G/4G/5G | n/a |

*Applicable models upon request