



MobileViewpoint

WMT EXPERT >



“Transmit live video, send high volume data from any location!”

Transmit live video and high volume data from any location! With the WMT™ you have a live video connection regardless of your location using bonded 3G and 4G mobile network connections. Bonding of multiple mobile networks ensures more bandwidth and stability.

WMT can be specifically used for

- Live video broadcast
- Storage & Forward recorded video files
- High speed FTP upload connection
- High speed internet access

Key Features

- High speed bundled uplink
- Fixed delay time, 2 seconds will remain 2 seconds
- IFB or return audio at less than a second delay
- Real modems, so external antennas with up to 12 db gain are available
- Fail-over compensation between different networks
- Continuously seeks the best possible mobile network
- Touch screen with detailed network information
- Local and remote (web-based) management
- Easy 1 button operation
- Light weight
- Hot swappable batteries
- Analogue SDI and HDMI available at the same time

Mobile Viewpoint (MVP) realizes complete solutions for live wireless video and data transmission. MVP offers high-end solutions for IP connectivity regardless of your location (land/air), using multiplexed 3G and 4G mobile networks. By bundling multiple mobile networks we create more and stable bandwidth. Mobile Viewpoint is based in the Netherlands, operates worldwide and has proven track record in media, engineering and governmental organizations.

Mobile Viewpoint B.V.
Keesomstraat 10E
1821 BS Alkmaar
The Netherlands
Sales: +31 (0)72 7000502
Support: +31 (0)72 7000501
Fax: +31 (0)72 5129520
sales@mobileviewpoint.com
www.mobileviewpoint.nl



WMT EXPERT >

WMT EXPERT - OUR FLAGSHIP

WMT AGILE - OUR LOW WEIGHT

Solution

Our WMT Expert and Agile solutions bundle 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. Bandwidth is dependent on the coverage and the availability of multiple mobile networks and network technology (2.5G/3G/3.5G/4G) at the location. In addition it is also possible to add Wi-Fi and Ethernet connections to maximize the upload capacity. This makes a total of 10 connections on a single WMT™. The upload capacity of the WMT™ ranges between 500 kbps and 5 Mbps.

The WMT™ utilizes its bundling technology to become a high volume data Store & Forward unit. This means that the WMT™ uses its entire available upload bandwidth to transport any kind of file through its connections to an FTP server. 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.

Use of multiple networks guarantees the highest bandwidth, the best possible network coverage and offers a redundant solution. The video is encoded with our own H264 codec, which will automatically determine the available bandwidth and continuously transmit on the highest possible bandwidth. This ensures transmission of the best possible video quality with the shortest possible fixed delay time.

WMT Expert Specifications

INTERFACES

- 2xEthernet 10/100/1000 base-t
- SD;SD- SDI,SD-HDMI, composite + 2x analog audio balanced
- HD;HD- SDI,HD-HDMI
- FireWire/1394 (on request)
- XLR-3 IFB/Audio return
- 1 x USB for Store & Forward FTP file transfer
- Touch screen

HARDWARE

- Dedicated appliance 12-24 volt
- Weighs approximately 3,9 kilograms
- 35cmx21cmx11cm (Wxbxh)

VIDEO INPUT FORMATS

- SD; full D1, Pal and NTSC mode
- HD; 720p50, 720p60 and 720p59,94
- HD; 1080i50, 1080i60 and 1080i59,94

IP MANAGEMENT NETWORK INTERFACE

- 10/100/1000 base-T

INCLUDED

- 8 'shark tale' 3dBi gain standard Power Class 3, 0.25 Watt per HSPA connection
- Industry standard battery plate (Anton Bauer or V-Lock)
- 90-240V to 12v AC power supply
- Custom made Backpack

SUPPORTED VIDEO ENCODING

- H.264 main profile MVP codec
- Framerate 50, 60, 59,94

SUPPORTED AUDIO ENCODING

- AAC 44-128 kHz LFE

SIMULTANOUS BONDING

- 10

ADDITIONAL AVAILABLE ACCESSORIES

- Dome antenna (8 in 1 antenna)
- Directional 12dB gain antenna
- Car mount antenna
- Power kit (2 batteries 220Wh + charger)

RECORDING

- 40 Gigabyte (can be higher on request)
- SD: High quality CBR in SD while broadcasting adaptive live stream
- HD: High quality CBR in HD while broadcasting adaptive live stream

AERIALS

- Choice of aerials available:
- Omnidirectional 0 and 3 Dbi
- Omnidirectional Antenna array 3 Dbi
- 11 dBDirectional array

INTERNET ACCESS

- No WiFi hotspot
- Access via ethernet

OPERATIONS SETTINGS

- **Best quality:** adaptive encoding and resolution change between full resolution, half and quarter resolution , with configurable delay of 2, 3, 5, 10 or 20 seconds.
- **Medium quality:** adaptive encoding and resolution change between half and quarter resolution, with configurable delay of 2, 3, 5, 10 or 20 seconds.
- **Low quality:** adaptive encoding and quarter resolution, with configurable delay of 2, 3, 5, 10 or 20 seconds.
- **Ka profile:** adaptive encoding and resolution change between full resolution, half and quarter resolution but with optimized delay settings.
- **BGAN profile:** adaptive encoding and resolution change between full resolution, half and quarter resolution but with optimized delay settings.
- **CPT:** store and forward of recorded video with configurable delay between 45 seconds and 10 minutes.
- Store and forward of any file content via USB or Ethernet
- No Audio only

MOBILE NETWORK INTERFACE

- 8 Modems
- Edge, CDMA, HSUPA, HSDPA, HSPA+ and UMTS. LTE on request
- Wi-Fi

NETHERLANDS OFFICE (HEAD OFFICE)

Mobile Viewpoint B.V.
 Keesomstraat 10E
 1821 BS Alkmaar
 The Netherlands
 Phone: +31 (0)727000502
 Fax: +31 (0)72 5129520
 info@mobileviewpoint.com
 www.mobileviewpoint.com

INDIA OFFICE

#102 Building 19 Sagar Plaza
 Laxmi Nagar
 District Centre, Delhi
 India

THAILAND OFFICE

75 Ocean Tower II, 29th Floor
 Unit 70-71, Sukhumvit Soi 19
 Klongtoey, Bangkok
 Thailand

DUBAI OFFICE

Mazaya Business Ave.
 AA1 Tower, 26th Floor
 Jumeirah Lake Towers
 Dubai, UAE