

Radically increase mobile bandwidth, availability and stability!

WMT is a unique solution that bundles multiple mobile networks, thus providing more bandwidth, higher stability and the best possible availability.

WMT is especially suited for:

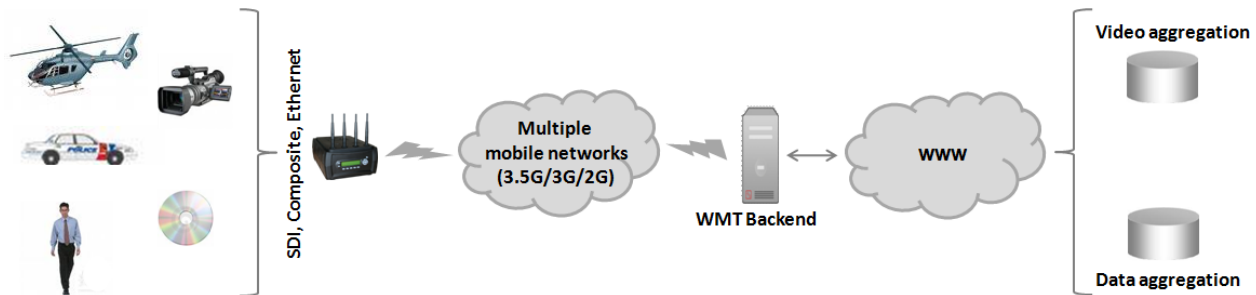
- Broadcasting live video
- Store & Forward video
- Video conferencing
- Quickly uploading of any other high volume data



On the move and from any location*!

Product overview

Do you need to be able to upload (live) video and/or other high volume data from any place at any time? Is a satellite uplink truck not always immediately available or just too much hassle and too costly? Did you consider using a mobile network, but didn't it match your high professional standards? WMT might be just the solution for you!



Wireless Multiplex Terminal™ (WMT) is a box that bundles several mobile channels (HSPA, UMTS, GPRS) of one or multiple operators into one broadband channel. The solution has been designed to take existing wireless uplink barriers down. The standard WMT version can bundle a 4 to 7 HSPA channels thus being able to provide sufficient upload capacity for video and other high volume data. The available bandwidth is dependent on the coverage of the mobile networks and network technology (2.5G/3G/3.5G) at the location. Typically the upload capacity with WMT is between 500 and 2000kbps.

The WMT solution supports maximum 7 SIM's. It is preferred to use SIM's from different operators. Firstly, using multiple networks will guarantee the highest bandwidth and the best possible mobile network coverage. Secondly, by using SIM's of multiple operators a redundant solution is created

Live video images will be encoded into the H264 codec, which is the quality standard for use over mobile networks. The WMT will automatically quality of the video connection to the available bandwidth at the location, ensuring that always the best possible video quality is uploaded.

Solution

The WMT solution exists of 3 elements: The Wireless Multiplex Terminal Client, Wireless Multiplex or backend server and the SDI playout system. The backend Server can handle 1-20 WMT Clients (depending on the hardware version) and can optionally distribute the load across several Wireless Multiplex Servers..

Usage Scenarios

The use of the Wireless Multiplex Terminal™ can be manifold and the system is suitable for a very diverse group of professionals. They all have a need for professional high quality data in common, whether they need it for evidence and fact gathering, communication or for entertainment purposes.

- Police
- Rescue services
- Fire departments
- Entertainment industry / broadcasters
- News agencies / journalists
- Security firms
- Military

Key features

- High speed uplink
- High speed downlink
- Fail over between different networks
- Best possible mobile network availability
- LCD-screen with detailed network info
- Local and remote (web-based) management for detailed configuration
- Easy to install
- 12V/24V power supply
- Low cost solution



About Triple IT

Triple IT has been established in 1998 by the 4 current partners and has continually grown since. The company now consists of a team of 37+ enthusiastic, creative and motivated developers. We are specialized in video encoding and transcoding and are the largest mobile video distributor in the Netherlands. Through our partnership with Ericsson we are able to provide services worldwide. Our customer base includes companies such as Vodafone, MTV and Endemol.

We appreciate that standard products will not always fully serve your needs. Therefore we are used to deliver tailor made solutions. Our approach will be informal, direct and honest as we think this is the best way to come to quick and good decision making. If wanted, we can supply you a 'proof of concept' fast, which usually helps a project to start adequately and decreases time to market.

No matter what your requirements are, we are always keen to exceed your expectations!

Wireless Multiplex Terminal™ Specifications

Interfaces:

- Ethernet
- SDI input or DV (1394)
- LCD
- 4-7 x SIM

Protocols:

- IP, TCP, UDP
- IETF RTSP

Supported Video Encoding:

- H.264

Supported Audio Encoding:

- AAC

IP Network Interface:

- 10/100 base-T

Mobile Network Interface:

- HSUPA / HSPA / UMTS (W-CDMA)/ GPRS / CDMA2000 / CDMA450

Hardware:

- Dedicated appliance 12 volt
- Weighs approximately 2 kilograms
- 30cmx20cmx11cm (Wxbxh)

Antennas:

- Land, on request
- Air, on request
- Power Class 3, 0.25 Watt per HSPA connection

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