



HORIZON TM Micro

Ultra Lightweight, Low Power Video & Audio Transmission Solution

Overview

The HORIZON TM Micro is an ultra lightweight, low-power small form video and audio encoder capable of transmitting very high quality live video as well as audio back to any command and control centre, remote monitoring station or remote personnel.

HORIZON TM Micro provides a higher quality, lower latency and more resilient approach to real-time video and audio transmission.

Utilising mobile phone networks, HORIZON TM Micro features dual integrated GPRS/3G/HSDPA modules with SIM carriers for reliable transmission of high quality video and audio. This is essential in maintaining operational capability where mobile phone coverage is weak or unreliable. The HORIZON TM Micro can also be used with a variety of other networks including broadband, satellite, Wi-Fi and WiMax.

The HORIZON TM Micro ensures a more efficient representation of detail at lower bandwidths, particularly where motion levels are high, as well as exceptionally low latency in the remote control of cameras.

As with all Tellemachus HORIZON TM solutions, the receive server is located at your premises, which together with the use of VPN and advanced encryption, ensures that your product is secure and viewable by only your organisation.

Benefits

- Ultra lightweight, compact enclosure with no moving parts for reliable, resilient and silent operation
- Ultra low power consumption
- Secure live video and audio (two way) transmission over very low bandwidth
- Constructed to accommodate the high level of vibration associated with vehicle deployment
- Features dual integrated GPRS/3G/HSDPA modules with sim carriers for reliable networking
- 10/100 RJ45 Ethernet connector for ADSL and network lines and satellite connectivity
- Unique image enhancement whilst viewing live streams
- Unique video retrieval - without having to visit the front-end

Applications

HORIZON TM Micro is ideal for static OP's when live video and audio product is required immediately and where no fixed infrastructure is readily available.

When not being used at a static OP, the HORIZON TM Micro can be used in any car or any van being used as a mobile OP's.

Due to its compact size, the HORIZON TM Micro is suitable for overt or covert body worn applications.

HORIZON TM Micro can also be used to transmit video and audio across broadband and satellite networks, where such networks are available.

Optional GPS functionality allows you to track the location of any vehicle in which a HORIZON TM Micro is being used.



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Hardware:

Physical: L120mm xW72mm x D33mm (including connectors)
Camera Input: 2 x MMCX composite input
Operating Temperature: -32 to +60c, non-condensing
Video Input Format: PAL/NTSC
Audio: Stereo Audio In/Stereo Audio Out
Alarm Inputs: 3 x triggers at 5V (24V max)
Input Voltage: 9V-36V DC
Power Consumption: 7W max (8.5W with 1 x modem fully operational, 10W max with 2 x modems fully operational), 6W nominal, <1.5W standby, <0.1W sleep

Communications:

Internet Connectivity: 10/100 RJ45 Ethernet connector for ADSL and network lines
PTZ Connectivity: Supports Pelco P&D, Canon VC-C4/5, Sony Visca, etc. (other protocols on request)
GPRS / 3G/HSDPA: 2 x built-in GPRS/3G/HSDPA modules
Bandwidths Supported: 9Kbps to 1 Mbps
Satellite Connectivity: 10/100 RJ45 Ethernet for connection to Inmarsat GAN/BGAN Fleet Routers

Software:

Viewers Supported: Software available for Windows PC, Windows Mobile 6, iPhone and Android
Video Frame Sizes Supported: 128 x 96 up to 704 x 576 (4CIF), frame rates up to 25fps (PAL)
High Resolution Image Retrieval: Enhanced definition (up to 704 x 576) over user-definable areas via high quality JPEG
Encryption: Built-in AES 256 encryption in addition to support for IP Sec VPN connections
Minimum Server Specification: 2GHz Processor, Windows Server 2003 or Linux preferred, 1Gb RAM, Oracle Java JRE 1.6.0 or later

Part Number:

TEL-HT-M005 Horizon TM Micro

PLEASE NOTE: Product image is not a true representation of the Horizon TM Micro and the end product will vary from the illustration.