



IPVideo Media Server

Overview

The Vislink IPVideo Media Server (VMS-I100) is a playout device that ingests IP video from the LGR-I000 receiver. The VMS securely streams real-time video to your fielded edge devices allowing tactical response teams to work more efficiently in mission critical situations. The VMS can archive incoming streams and serve them out at a later time for tactical review analysis. The VMS-I100 can support multiple connections to AirStream or AirCam wireless IP video transmitters. Transcoded streams accommodate a wide range of network edge devices at various bandwidths.

The VMS-I100's bandwidth efficient adaptive bit rate delivery technology supports real-time streaming protocol (RTSP), real-time transport protocol (RTP), and user datagram protocol (UDP). In addition, streaming content can be encrypted for additional security.

How it Works

With the VMS-I100 you can distribute your tactical downlink and incident video imagery received from a variety of deployed assets to command staff and strategic ground resources over any IP network. It is a tool that allows disparate multi-jurisdictional teams to work together by increasing situational awareness needed to make quick mission-critical decisions.

The LGR-I000 receiver outputs a packetized IP video stream produced by the LiveGear transmitter and is fed to the VMS-I100 IP video media server via an RJ-45 cable connection.

The VMS-I100 accepts incoming H.264 video encoded IP streams from a variety of IP-centric encoders, transcoders, IP cameras, etc. The IP video stream is then sized or "transcoded" to match a variety of fielded edge device such as iPhones, iPads, or Androids.

In addition, the VMS-I100 allows you to instantly record any incoming live stream to either the Flash Video (FLV) or MP4 (QuickTime container) format. Live stream recording is particularly useful for offering instant video feedback on Web 2.0 web sites, or for applications, such as surveillance, training or education, that requires content archiving or later replay.

Services

Vislink provides on-site turnkey system configuration services to make your streaming media website implementation a success. Vislink maintenance contracts insure that your video media server will operate at peak performance.

We also offer video media hosting services for customers who want to avoid the costs and challenge associated with an in-house video media server implementation. Please contact your Vislink sales professional for details.

Vislink's Video Media Server offers the operator flexibility, reliability, and unparalleled performance.

The Vislink Advantage:

Vislink's Video Media Server connects multiple AirStream transmitters to your tactical video edge devices.

- **Compact:** Power-packed performance in a one RU 19" rack mount unit
- **Plug-n-Play:** Connect the VMS-I100 to an LGR-I000 and instantly stream your video content to multiple edge devices.
- **Ingest:** Two (min.) H.264 streams.
- **Transcoding:** Original H.264 high bit rate to multiple key frame aligned edge device video streams. 200 Kbps to 10 Mbps
- **Tactical Edge Devices:** iPhone, iPad, Android, PCs
- **Dynamic Load Balancing:** Provides system load balancing between multiple VMS Servers.
- **Management:** Dynamic bandwidth detection

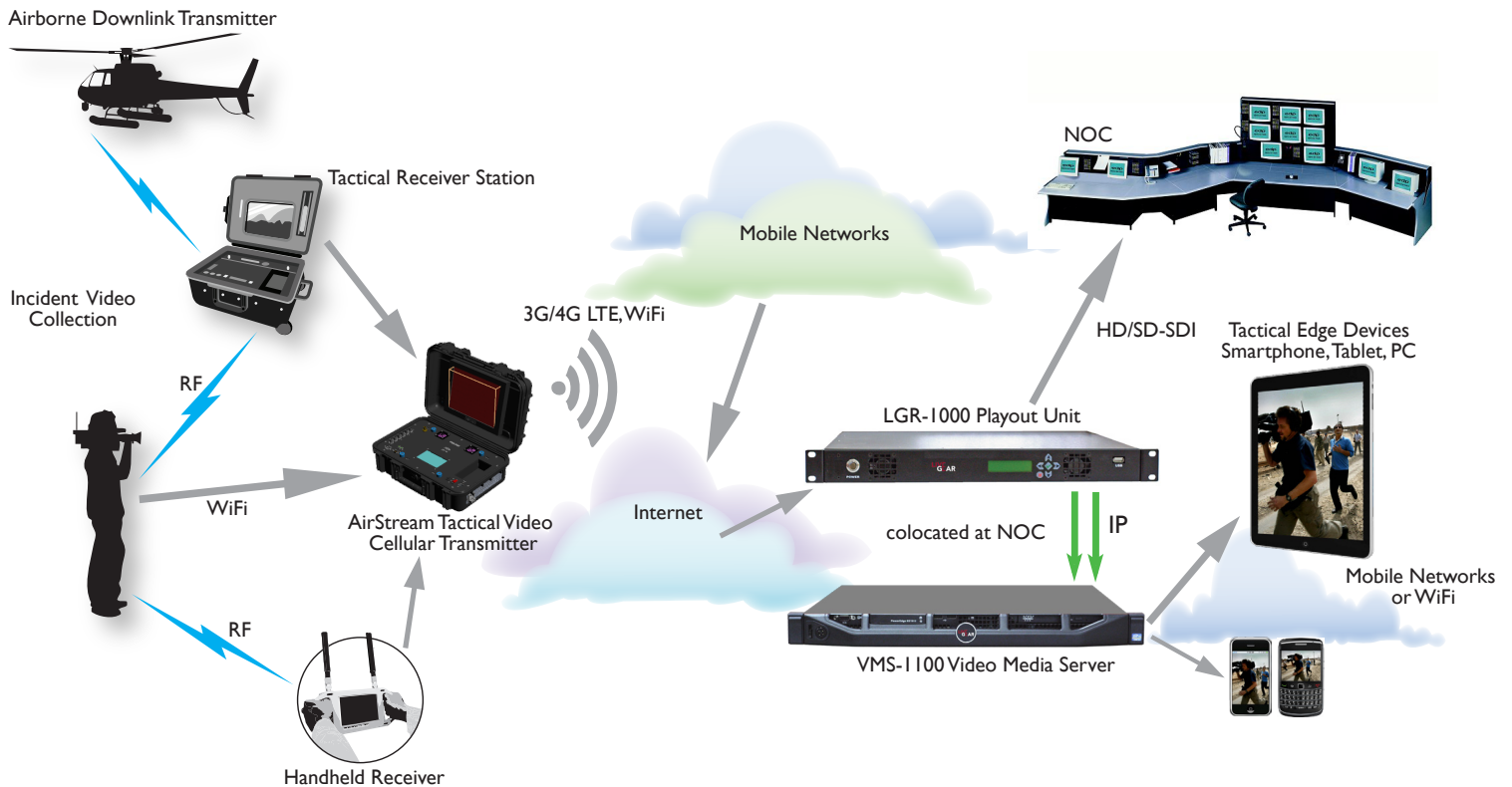
Mission Critical Video for:

- Criminal Investigation
- Police/Fire/EMS
- Major Incident Support
- Evacuation
- Crowd Control
- Security Detail
- Helicopter Downlink Extension
- Crisis Response

The VMS-I100 is a Vislink technology V-Net solutions product

live-gear.com

Tactical Cellular Video Transmission System Flow Diagram



Hardware

Rack Mounted Video Media Server (VMS-1100):

- i5-2500K Quad Core Processor
- 8 GB DDR3 RAM
- 1 TB Content Storage in RAID 5 Configuration
- 1 GB NIC
- Two AirStream ingest transmissions (standard)
- Additional AirStream ingest transmissions (optional)
(Consult your Regional Sales Manager for details)

Required: On-site VMS-1100 Configuration Service
(Consult your Regional Sales Manager for details)

Recommended: Bi-annual service maintenance contract
(Consult your Regional Sales Manager for details)