

Image Intelligence in Real-Time



Troll's Video Network Server (VNS) is designed to decrypt, transcode and distribute secure, IP video and data over public or private networks. The VNS incorporates advanced server-side encryption to protect mission video and data on either side of the firewall.

Troll's VNS decrypts and processes multiple incoming IP streams from multi-channel receivers at remote antenna sites. A typical scenario could include multiple airborne and ground vehicles simultaneously sending data or video and data to one or more antenna sites. Each site provides 360° coverage and can optionally track airborne or ground assets to the limits of Line-of-Sight (LOS). The VNS manages these IP streams from multiple inputs and multiple locations merging each input into a cohesive data stream for each mission platform. This seamless hand-off of live video coverage between different antenna inputs and remote sites makes it possible to create uninterrupted, real-time streams of video and data over large operational areas.

By adding additional receivers to existing antenna sites, the system can accommodate as many mission assets as necessary with nominal increases in cost and turn-around time. The VNS also provides built-in networking, RF spectrum monitoring, system test and control to help incorporate new vehicles or transmission assets as the system continues to grow.

Video access, control, and monitoring is provided on both sides of your firewall.

Troll's network server can act as a network hub providing video access to network users or cloud-based, managed Internet users or groups. Troll's server application makes it secure and easy to manage access to encrypted video over the internet, making it available on any smart device. The VNS provides standard H.264 video transcoded resolutions of 160p, 360p and 720p, that can be optimized for bandwidth availability.

Air-to-Ground Ethernet Connectivity

Video Network Server VNS4200

Secure Air-to-ground IP Video and Data Streaming to Local Networks and Internet Smart Devices



Distribute video and data over a secure IP network

Distribute video over the public internet using advanced encryption

Control and monitor all video access on either side of the firewall

Each VNS controls up to four (4) receive sites

Each VNS supports four (4) client connections

Very reliable data network hub

Configurations to support any number of users

Distributed IP Video Data Streaming to Networks and Mobile Devices

VNS4200

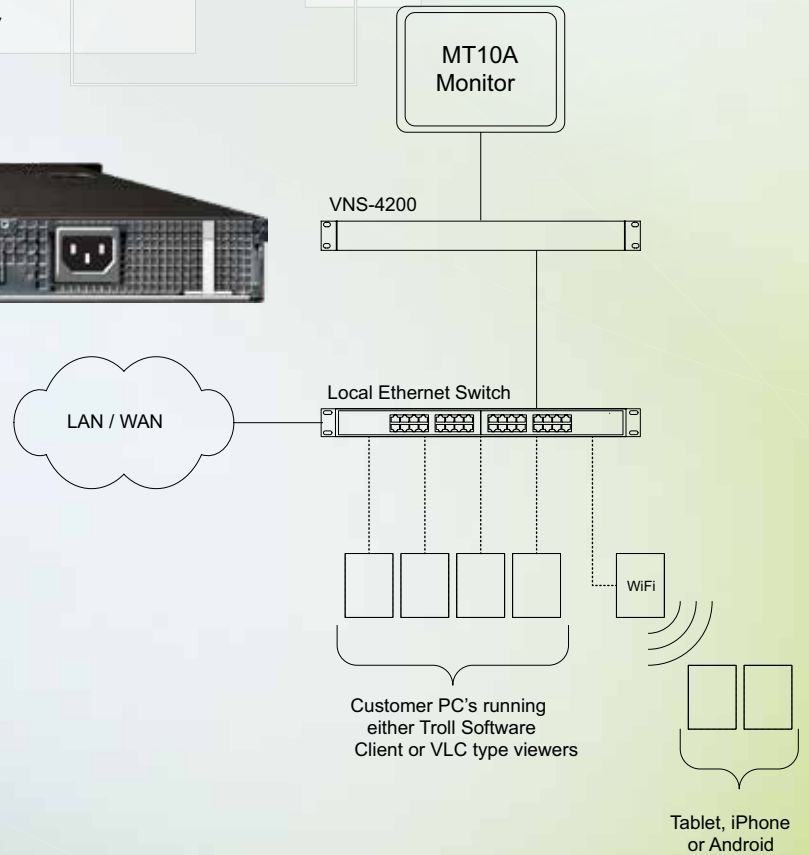
SPECIFICATIONS

Specifications subject to change without notice.

VNS4000 Specifications

Processor:	Intel Xeon Quad-Core E5-2630V3 2.4GHz 8.0GT/s 8MB QPI, TURBO, HT
Memory:	16GB RAM
Storage:	120GB Solid State Drive
OS:	Windows 10 Professional or Server 2013
Network:	(2) Broadcom 10/100/1000 Integrated NIC
Serial Ports:	(1) Serial
USB Ports:	(4) Ethernet
eSATA	(1) eSATA (2) Back (1) Internal
Video:	(2) HDMI (1) Display Port
Power:	Redundant, 250W (80+ Bronze) auto-ranging (100V - 240V)
Rack:	1U, ReadyRails™ static rails for toolless mounting in 4-post racks with square or unthreaded round holes or tooled mounting in 4-post threaded and 2-post (Telco) racks 1 EIA Rack Unit

Vertical Rack Space: 1U - 17.086" x 16.9" x 1.67"



The Data Link Experts

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