

MANUFACTURED BY TROLL SYSTEMS
THE DATA LINK EXPERTS

Video Network Server VNS4000

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

Troll's Video Network Server (VNS) is designed to decode, 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 IP, 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 every 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 vehicles 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.

VIDEO ACCESS, CONTROL AND MONITORING IS PROVIDED ON BOTH SIDES OF YOUR FIRE WALL

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 web server application makes it secure and easy to manage access to encrypted video over the internet, thereby 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.



- ▶ **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**



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VNS4000 Video Network Server

Distributed IP Video and Data Streaming to Network and Mobile Devices

VNS4000 Specifications

Processor:	Intel Xeon Quad-Core E3-1220V2 3.1GHz 5.0GT/s 8MB LGA1155
Memory:	16Gb RAM
Storage:	120GB Solid State Drive
OS:	Windows 7 Professional
Network:	(2) Broadcom 10/100/1000 Integrated NIC
Serial Ports:	(1) Serial
eSATA	(1) eSATA
USB Ports:	(2) Front (2) Back (2) Internal
Video:	(2) DVI Output, (1) HDMI
Power:	Non-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
Weight:	1 EIA Rack Unit
Vertical Rack Space:	1U - 17.086" x 16.9" x 1.67"
Metric Dimensions:	434mm x 429.3mm x 42.4mm
Input Power:	100-240 VAC, 50-60Hz, Maximum 300 Watts
Temperature Range:	-20° to +50° C (-4° to + 122° F)

Specifications subject to change without notice.

