



DVP100 - Digital Video Protection

Protector Sentinel

Main Benefits

- Significantly cuts costs by turning the Internet into a true live content delivery network (LCDN)
- Live high quality video (SD, HD, and above) over standard Internet connections
- Low delay ensures viewers enjoy the excitement of live events as they happen
- Leverages the Internet to open new markets otherwise out of reach

Main Features

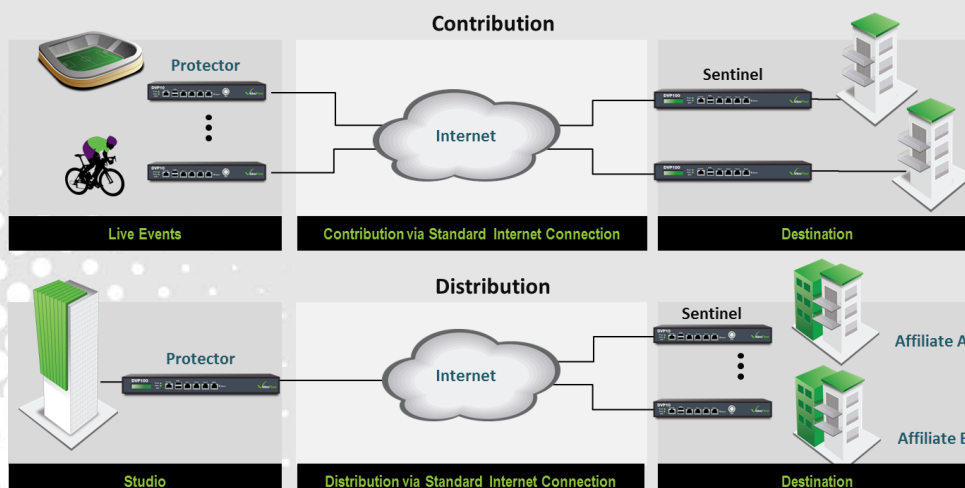
- Recovers 100% of lost packets
- Eliminates excessive jitter
- Multicast over protected tunnel across the Internet
- 1+1 Transport Stream protection
- Multi-path / Multi-ISP streaming
- Real time ETR290 probe
- Alarms
- Field upgradable

VideoFlow's DVP100 Protector and Sentinel enable the delivery of live, error-free, high quality video over standard Internet connections

The Internet was never designed to handle Live video broadcast as they are sent as a continuous bit stream, which results in artifacts caused by jitter, and packet loss. Latency of more than a couple of seconds is totally unacceptable by viewers expecting to enjoy the excitement of any live event as it happens.

VideoFlow's patent pending technology ensures that when delivering content over the internet no packet is lost, and nullifies the jitter caused by transiting the Internet thereby affording the opportunity to use a highly advanced, low cost solution for live, high quality video streams in place of existing, expensive solutions.

The DVP100 series includes VideoFlow's 3V technology enabling a point of convergence serving as video aware network gateway. The DVP100 does not require any external box or service making it perfect for easy and scalable deployment of live video delivery over the Internet. Furthermore, the DVP100 series is a proven robust, flexible, and cost effective solution to carry live high quality video over long distances, easily competing with satellite and legacy transport networks.



MPEG over IP

Interfaces:

3 × 10/100/1000 Base-Tx, RJ-45

Capacity:

Max bit rate: 100Mbps

Max number of streams: 20

Format:

MPEG-2 / H.264 / H.265

SD, HD, UHD and above

MPEG TS Encapsulation:

SPTS, MPTS

UDP, RTP/UDP

Multicast/Unicast

TS Protection:

VFEC - VideoFlow Error Correction

VFAB - VideoFlow Advanced Buffer

Dynamic protection optimizer

TS Protocol Conversion / Remapping:

UDP to RTP

RTP to UDP

DST/SRC IP address remapping

UDP DST port number remapping

Supplemental TS I/O:

Add-on Inputs (with conversion/remapping)

Add-on Outputs (with conversion/remapping)

TS Analysis and Statistics

PID information

CC information

PMT information

PAT information

PCR bit rate information

ETR 290 Priority 1, 2, 3 Compliant Statistics

Packet rate

Processed packets

Unrecovered packets

Network

VPN Tunneling:

GRE tunnel over public internet

IPsec over public internet

Max number of tunnels: 20

Advanced:

Multi-path streaming

Multi-ISP streaming (*)

Rate limitation (per destination)

NTP client

DNS client

DHCP client

High Availability:

1+1 TS protection (input)

1+1 Link protection (output)

Box redundancy

Facility redundancy(*)

Control and Monitoring

Web GUI

Alarms

Syslog

Remote:

10/100/1000 Base-Tx, RJ-45

HTTP/HTTPS, Telnet / SSH

SNMP (v1, v2, v3)

Local:

RS-232 through RJ-45

2 × USB connectors

Environmental

Operation:

Temperature: 0°C - 40°C

32°F - 104°F

Humidity: 5% - 85% (non condensing)

Storage and Transportation:

Temperature: -20°C - 75°C

4°F - 167°F

Humidity: 0% - 95% (non condensing)

Physical and Power

Power:

Max Power Consumption: 60W

Input Voltage: 90-240 VAC, 47-63 Hz

Size:

Chassis (W×H×D): 432×44×270mm

17''×1.7''×10.6''

Weight:

4.2 kg, 9.3 lb.

Compliance

EMC:

EN55022

EN55024

EN61000-3-2, EN61000-3-3

FCC Part 15, Class B

Safety:

EN60950

RoHS directive 2011/65/EU

(*) Available soon