vividcore

MPEG Video Encoders

Powered with

SRT

SECURE
RELIABLE
TRANSPORT

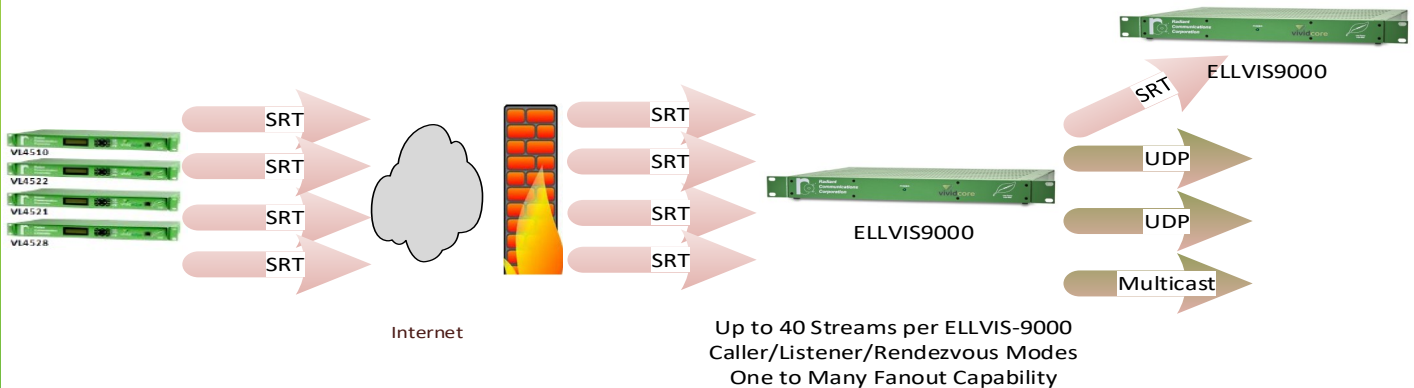**Radiant Communications Corp.**
www.rccfiber.com

Patent Pending

ELLVIS9000

Multiple Stream SRT Media Gateway

The New ELLVIS9000 SRT Gateway is an integrated bidirectional SRT/UDP Transport Appliance. When used with VividEdge SRT ready MPEG Video Encoders the system allows delivery of multiple streams of high-quality secure, and low-latency video across the public Internet.

This innovative solution enables MPEG2 and h.264 broadcast quality streams to be transported from any venue despite unreliable Internet connections. It eliminates the need for Satellite/Microwave/ Leased Line connections, providing high quality cost effective transport for PEG and broadcast feeds.
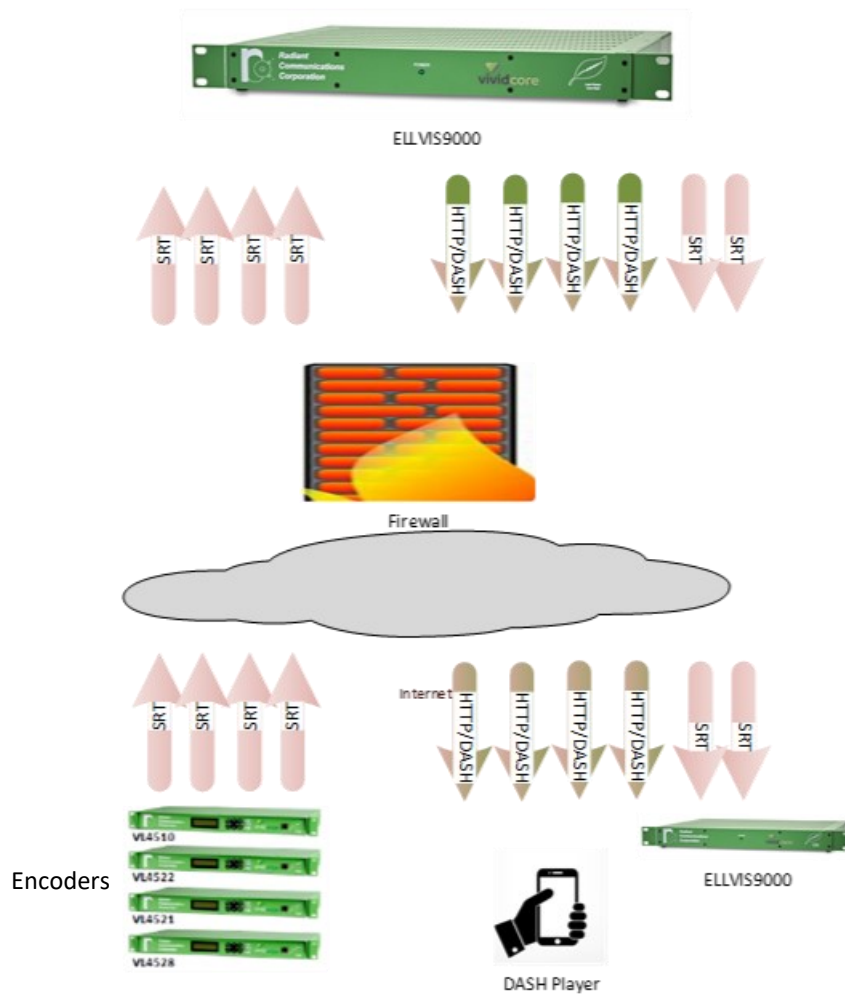

SRT optimizes streaming performance across unpredictable networks with secure streams and easy firewall traversal, bringing the best quality live video over the worst networks. It accounts for packet loss, jitter, and fluctuating bandwidth, maintaining the integrity and quality of your video.

SRT provides end-to-end security, resiliency and dynamic endpoint adjustment based on real-time network conditions to deliver the best video quality at all times on any network.

Integrated MPEG DASH Packager

With a firmware upgrade, the ELLVIS9000 supports Dynamic Adaptive Streaming over HTTP (DASH) and OTT Web Hosting. Dynamic stream type and short segment size (.5 to 1 Sec.) are ideal for live video applications where low stream latency is critical. Web hosting maybe be over HTTP or HTTPS for added security. Up to 40 instances of packager and web host may be loaded into the 1 RU footprint. This is an ideal solution for MDU/Institutional local video content hosting where the physical network architecture is IP centric.

ELLVIS9000

Firewall

Internet

Encoders

VL4510

VL4522

VL4521

VL4528

ELLVIS9000

DASH Player

Real Time Content can now be streamed via SRT from Anywhere
to the ELLVIS9000. The E9000 Packages the content and Publishes

HIGHLIGHTS

♦ Broadcast delivery over public Internet

♦ Low latency

♦ Protection from packet loss, bandwidth fluctuations, jitter and delay

♦ End-to-end AES encryption

♦ Error recovery

♦ Firewall friendly

♦ One to Many Fanout Capability

♦ Integrated DASH Packager/ Web Host

♦ One time buy for stream counts, upgradeable

♦ No separate server required (Virtualized Models)

♦ No recurring bandwidth service charge

♦ Single vendor solution

♦ Intuitive web based GUI

♦ Login Security

♦ SRT Caller/Listener/Rendezvous Modes

♦ Live OTT streaming video applications

♦ Works with SRT Enabled MPEG Encoders

ELLVIS9000 Series · SRT Media Gateway

SPECIFICATIONS

MANAGEMENT

1000BaseT Ethernet Interface

Web GUI

INPUT

ISO/IEC 13818 SPTS/MPTS MPEG TS, 1000BaseT

UDP/SRT Protocol, UDP, Multicast

OUTPUT

ISO/IEC 13818 SPTS/MPTS MPEG TS, 1000BaseT

UDP/SRT Protocol, UDP, Multicast, One to Many Fan Out.

Dynamic Adaptive Streaming over HTTP/HTTPS (DASH)

.5 to 1 second segment size for live low latency streaming.

LATENCY

20 to 8000ms

ENVIROMENTAL AND POWER

Power	35W @ 90 to 240VAC (Internal Power)
Weight	5lb
Operational Temp	0° to 50° C
Storage Temp	-10° to 60° C
Dimensions	1RU 17.0" W x 9.0"D x 1.75" H

ORDERING INFORMATION

ELLVIS9000	SRT/UDP Gateway, 1RU
ELLVIS9000H-10	10 Stream Gateway/Catcher License Appliance
ELLVIS9000H-20	20 Stream Gateway/Catcher License Appliance
ELLVIS9000H-30	30 Stream Gateway/Catcher License Appliance
ELLVIS9000H-40	40 Stream Gateway/Catcher License Appliance
ELLVIS9000HP-10	10 Stream Gateway/Catcher/DASH Packager License Appliance
ELLVIS9000HP-20	20 Stream Gateway/Catcher/DASH Packager License Appliance
ELLVIS9000HP-30	30 Stream Gateway/Catcher/DASH Packager License Appliance
ELLVIS9000HP-40	40 Stream Gateway/Catcher/DASH Packager License Appliance