



SkyStream's Edge Video Router-7000 platform (EVR-7000) is a powerful enterprise-class appliance specifically designed for delivering live and pre-recorded Business TV (BTV) content such as product information, technical training, management updates and promotional information. The EVR-7000 is an integrated platform that receives, routes, stores and delivers MPEG video and IP data to desktops and TVs in a corporate environment.

#### HIGHLIGHTS

- Live and stored MPEG video delivery to TV and desktops
- Scalable video distribution to multiple sites and to multiple clients on the network
- Reliable content delivery and management
- Advanced data handling and routing
- Reliable platform for enterprise services
- Storage of up to 50 hours of MPEG-2 video files
- Seamless integration with third party caching and streaming media servers
- Part of SkyStream's end-to-end solution, fully interoperable with zBand™ server, Source Media Router, and E-Manager

#### THE CHALLENGE

Today, broadcasters and satellite operators are beginning to offer revenue-generating video and data services to enterprise customers. The current model for traditional high quality video delivery in BTV is exclusively live broadcast, requiring users to tune in at one specific time and view from a central location. This model is too restrictive and inconvenient for employees to access information and data across different time zones. Additionally, success in business today heavily relies on effective communication, and corporations can significantly benefit from delivery of video-based information to the right people at the right time.

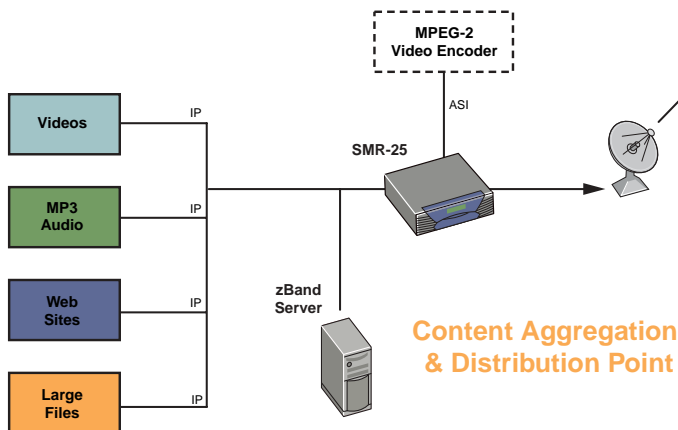
For service providers who want to offer BTV, current customer premise equipment lacks enterprise-level capabilities such as centralized management of large scale deployments, content delivery and management and support for delivery of multiple content formats. To offer these new broadband video and data services, service providers require equipment from multiple vendors, resulting in long integration cycles and high maintenance costs.

## THE SOLUTION

EVR-7000 delivers and presents live and stored MPEG video content to the TV and to desktops simultaneously. This capability minimizes operational and resource costs while delivering high quality information targeted to meet different user needs. As a high-performance video and data router, EVR-7000 meets BTV requirements that demand delivery of high quality video and audio to multiple sites while receiving and routing IP data. The EVR-7000 provides the most cost effective way to reliably receive and manage live MPEG video viewing on a TV with simultaneous delivery to multiple desktops, IP data routing and on-demand streaming of MPEG video to desktops. The EVR-7000 can be centrally managed in-band and out-of-band via SkyStream E-Manager, a multicast-based edge device management tool for centralized management of remote site appliances. Integrated in a single platform, the EVR-7000 is simple to configure and is easily combined with your existing network for deployment of new services.

## FEATURES

- **Advanced Video Handling.** Receive and play live MPEG-1/2 video to the TV and desktops; Playback pre-recorded MPEG-1/2 video to TV or over IP multicast to multiple desktops; Deliver video over IP through MPEG over RTP (Real Time Protocol) or UDP
- **Enterprise-level-reliability and manageability.** Operating system on Flash memory; Reliable content delivery through zBand Content Delivery Platform
- **Advanced data handling.** Static routing rules; Unicast and multicast routing rules; Multicast to Unicast conversion; Address translation; MAC address filtering; TTL modification; On demand dialing for back channel support
- **Outstanding security features.** Fixed Key CAS for securing data over a satellite link; Tunneling and 128-bit encryption; Smart card reader for optional IP security; In-band and out-of-band remote management via SkyStream E-Manager multicast management system; Customizable Web Interface; Command Line Interface; SNMP v1 and v2
- **Flexible content delivery and management-through integration with SkyStream zBand Content Delivery Platform.** Bandwidth management for content delivery; Fully compatible with all digital content formats; Target management for tiered services; Customizable content presentation; Preset playlist for auto launch of video programs



## SPECIFICATIONS

### Satellite (DVB-S) Receiver

- SCPC/MCPC
- Receiver frequency: 950MHz – 2150 MHz
- RF input impedance: 75 ohms
- Viterbi code rates: 1/2, 2/3, 3/4, 5/6, 7/8 (auto sense)
- QPSK demodulation
- Symbol rates: 2-45 Msymbols/sec
- Reed-Solomon Outer Code: (204,188), T=8
- Full line rate support (72 Mbps) with 32 PIDs filtering
- Antenna Control Signal: 22, 33, 44KHz
- DiSeqC: 1.0, 1.1

### Video and Audio Output Interfaces

- Composite video
- SVHS video out
- SCART-in and 1xSCART-out (Europe)
- VGA monitor interface

### Video Quality

- MPEG-1/2 hardware decoder for high quality decoding
- 25 fps PAL, 30 fps NTSC

### Network Interfaces

- RJ-45 10/100 Ethernet port
- Dual USB ports
- Internal dial-up modem (optional)

### Security

- StreamSecure+
- Smart card reader (ISO 7816) for optional IP security
- Conditional Access Modules (optional): Common Interface Slot

### Media Storage

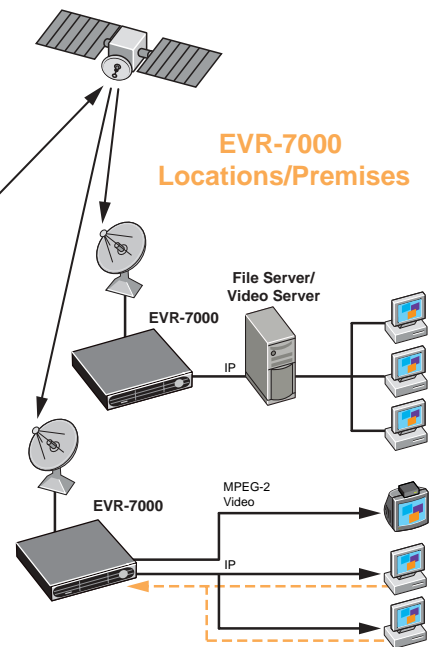
- 80 Gbytes internal hard disk
- Capability to support external storage for scalability

### Environment

- Operating temperature: 15°C to 35°C
- Storage temperature: -10°C - 85°C
- Humidity: 10% to 90% non-condensing

### Physical Dimensions and Power

- 4.33 x 16.93 x 14.17in (H x W x D)
- Weight: approximately 8 kg
- Power rated voltage: 100-125/200-240 V
- Frequency: 50-60 Hz
- Power consumption: 80 watts maximum



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