

VBSSM-WM Appliance

Industry leading networked video appliances

The VBrick SSM product family offers video-only encoder solutions ideal for security and surveillance monitoring applications where high quality and bandwidth efficient video is required. VBrick now offers solutions using Windows Media® video formats, in rugged compact appliances for harsh environmental conditions.



Product at a Glance

MODELS

Windows Media
9176-4200 Single channel SSM Encoder (video only)

COMPATIBILITY

- Standard Player Compatibility – Windows Media
- Microsoft Silverlight Player
- IGMP v3
- SNMP v3

INTEROPERABILITY

- EtherneTV Suite – Portal Server, Scheduler, and Network Video Recorder
- EtherneTV WM IPR – low cost video decoding
- VBrick VOD-WM Video On-Demand Server

Capabilities

VBrick's VBSSM Appliances are based on the award winning VB6000 platform, with a conformally coated, ruggedized package

Encoding Digitize and compress a video signal for delivery over an IP Network

Serving Serve up to 200 simultaneous unicast video streams

Multicasting Multicast live video directly from the appliance

Pushing Push up to 25 simultaneous streams to VBrick Reflectors or to Windows Media Servers

Remote Management Complete remote configuration and management solution via SNMP, or enable automated configuration download via periodic configuration polling

Dual Serial Ports For in-line camera control

Format Flexibility VBrick appliances support NTSC and PAL video, 4:3 and 16:9 aspect ratios, a wide range of video resolutions, frame rates, and bit rates, including the ability to meter the output of the stream to fit the unique streaming requirements of any network

Benefits

- Robust, reliable, appliance minimizes downtime and IT support requirements
- Conformally coated circuit boards
- Automatic device discovery and configuration
- Low video transmission delay
- Industry standard video formats
- Streams to publishing points via HTTP push, enabling firewall tunneling
- Format flexibility enables portability and adaptability to any network requirement



VBSSM-WM Appliance

Specifications

| | |
|----------------------------|--|
| Video Encoder | WM9 Encoding, SMPTE VC-1 compliant |
| Format-Input | NTSC, PAL - Composite video |
| 4:3 Resolutions | 640 x 480, 640 x 240, 528 x 480, 480 x 480, 320 x 480, 512 x 384, 400 x 300, 320 x 240, 240 x 180, 160 x 120 |
| 16:9 Resolutions | 640 x 360, 640 x 180, 512 x 288 (PAL only), 384 x 216 (NTSC only), 256 x 144, 128 x 72 |
| Encoding Rates | 20 kbps - 4 Mbps |
| Closed Caption | Line 21 passthrough or user inserted |
| Frame Rates | 1, 7.5, 10, 15, 30 fps (NTSC) 1, 5, 10, 12.5, 25 (PAL) |
| Bit Rate/Frame Rate | Constant/Constant Constant/Variable |
| Key Frame Interval | User defined |
| JPEG Image Capture | Capture JPEG images every 1 to 600 seconds |
| Push | Up to 25 concurrent HTTP pushes to VBrick Appliances or Windows Media® Servers |
| Server | Live multicast server Live streaming server - up to 200 concurrent live streams |
| Maintenance Port | Serial port for local maintenance or data transport RS232/422/485 |
| Control Port | Serial port for data transport RS232/422/485 |
| Dimensions | Width: 8.7" (22 cm) Height: 1.77" (4.5 cm) Depth: 12.3" (31.2 cm) |
| Weight | Approximately 3 lbs (1.32 kg) |
| Power Requirements | +10 to +27.5 VDC (24 Watts) |
| Power Supply Input | 100 to 240 VAC, 50/60 Hz |
| Power Supply Output | +24V up to 3.0A |
| Regulatory | FCC Part 15, UL, CE |
| Relay | Dry contact, 75mOhms, 2A @ 30VDC, .3A @ 110VDC, .5A @ 125VDC |
| LED Status | Power in (24VDC), Activity, Link, 10/100 |
| Ethernet Network | 10/100 Mbps ethernet via RJ-45, Static or DHCP, Auto sense full/half duplex |
| Protocols | Unicast/Multicast, DiffServ (QoS), UDP / IP / RTP |
| Temperature Range | -34° to +74° Celsius, Operating humidity up to 95% non-condensing* |

*High temperature operation has some dependencies. Please contact VBrick.

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