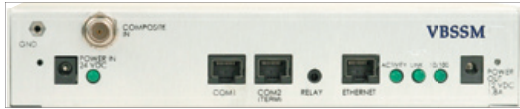


VBSSM



DVD Quality Video and Data Networking

The VBSSM is an MPEG-2 video-only encoder ideal for security and surveillance monitoring applications, where full motion, high quality video is required in a cost effective product. The VBSSM is a compact, rugged and reliable video network appliance that supports temperature ranges from -20 to 70 C. It contains conformal coated circuit boards, making it suitable for deployment in harsh environmental conditions. The VBSSM encoder accepts NTSC/PAL video, compresses it in realtime and transmits it digitally over an IP network. The video can be displayed on TV monitors using numerous MPEG-2 decoders, set top boxes or on PCs through desktop decoder software, such as VBrick's StreamPlayer.

Applications

- **High Resolution Surveillance** — Monitor areas to provide video of vital operations and facilities. The video can be observed from any room with a TV or a computer hooked into the network.
- **Process Monitoring** — Troubleshoot a work-stoppage and get back up and running, on a production line. Images can be viewed on any PC or decoder on the network.
- **Intelligent Transportation Systems** — Integrate your traffic monitoring video with traffic control systems to create an Intelligent Transportation System for real-time alterations of lights timing and highway message boards.

Product Features

- **Full motion, high resolution** DVD quality video
- Supports **industry standard MPEG-2** per ISO/13818-1,2,3
- Supports **NTSC/PAL** composite input
- **IP Unicast or Multicast** for streaming applications
- **Integral web server** for configuration and management
- **Low delay encoding** for end-to-end camera control - pan, tilt and zoom
- **Utilizes Layer III Qos - Diff Serv** for prioritizing video over IP networks
- Video encoding rates **configurable from 1 to 15 Mbps**
- **Interoperability with third party** MPEG-2 decoders
- **Transport and Elementary stream** support
- **Provides closed captioning** with text insertion
- **Network interface 10/100** BaseT Ethernet
- Optional- **video camera with pan, tilt and zoom**
- Optional- **19" rack mount adapter** (holds two across)

Target Markets

- Government
- Military
- Intelligent Transportation Systems
- Corporate
- Security

Benefits and Advantages

- **High reliability** — not based on PC architecture
- **Low profile** saves rack space (2 side by side units use only 1 RU)
- **Wide temperature range**
- **Low cost**
- **Conformal coated** circuit boards

Interoperability

- **EtherneTV MCS** — unified portal providing PC and set top box access to live and on-demand content
- **EtherneTV-STB** — decode MPEG-2 streams from low cost set top boxes
- **StreamPlayer & StreamPlayer Plus**— software decoder for desktop PCs
- **VBXcast** — transcode MPEG-2 streams to MPEG-4 for web streaming
- **Third-party** elementary stream decoders

SPECIFICATIONS

Video Encoder	MPEG-2 ISO/13818-1, -2, -3			
	Main Level, Main Profile 4:2:0, SP@ML and MP@ML	Video Resolution	NTSC	PAL
	Adjustable Intrapicture and reference distance (GOP)	Full D1	720 x 480	720 x 576
	NTSC 29.97 fps, 525 lines PAL 25 fps, 625 lines	2/3 D1	480 x 480	480 x 576
	Video encoding 1 Mbps to 15 Mbps	1/2 D1	352 x 480	352 x 576
	Input: Composite	SIF	352 x 240	352 x 288
	Adjustable PID selection			
Ethernet Network	10/100 Mbps Ethernet via RJ-45, Static or DHCP			
	Auto sense full/half duplex, UDP, Unicast/Multicast, Diff Serv (QoS)			
	Integral Routing - Static, RIP1, RIP2			
Maintenance Port	Serial port for local maintenance or data transport			
Control Port	Serial port for data transport			
Size	4.3 cm (1.7 inches) High 22 cm (8.6 inches) Wide 31 cm (12.25 inches) Deep			
Weight	Approx. 1.32 Kg (3 lbs)			
Temperature Range	-20 degrees to +70 degrees Celsius, operating humidity up to 90%			
Power Supply	Input: 100 to 240 VAC, 50/60 Hz, approx. 55 Watts 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			