

THE VB-30 COMPACT

Multi-channel video encoder transmitting high quality video over low bandwidths with recording on board as standard

The VB-30 from Vemotion is a compact multi-channel hybrid recording and transmission unit supporting a mix of SD and HD, Analogue and IP, HDMI, HD-SDI, audio and video. The unit has been specifically designed to deliver live video transmission and control over even the most challenging wireless and wired network conditions, for many varied applications in today's distributed world.

Vemotion solutions are enabled with our highly efficient H264 based video compression and transmission technology. This differentiates them within the marketplace, along with ease of use, rock solid performance, in a compact package. All our products are designed to be 'plug and go', are highly reliable and do not require any specialist SIM cards or expensive airtime contracts. Furthermore, allowing you to control the bandwidth used at any time means you are in complete control.



Supporting full and independent remote control for each connected IP, analogue or HD-SDI camera, the system is capable of handling multiple recordings from several cameras, with multiple simultaneous live streams possible from a single unit (*additional license require). The standout feature is the amazing low latency and sheer high quality of the images at efficient bitrates – seldom seen on standard video associated with Wireless Video solutions.

Simplicity of operation makes the VB-30 a compelling choice. Full GPS facilities can be provided and multiple simultaneous networks are supported, ideal when you want the absolute best performance possible over limited bandwidth networks. Provision is also made for alarm I/O connections and external audio input/output.

All the standard protocols for pan, zoom and tilt camera features (plus many others) are supported. The internal disc for recording includes a minimum of 1TB HDD (SDD and larger sizes optional) whilst additional external capacity can be added with HDD, SSD or NAS options for increased capacity. Recording and transmission parameters are user defined – with fps, bitrate and resolution completely configurable – QCIF, CIF, 4CIF, D1 & for HD 720p & 1080p.

VB-30 units also support systems for local management including a local user interface for full rate camera viewing and control including recorded footage playback, and also a local Wi-Fi user interface option. The VB-30 is an embedded PC so could allow additional software to run alongside Vemotion.

Applications

Our innovative technology uses open standard protocols and open platforms supporting fixed, mobile and body worn deployments, integrated with existing video management and recording systems, both analogue and IP.

Just some of the applications possible with Vemotion solutions:

In vehicle recording and transmission – Law Enforcement, High Value Cargo, Maintenance Vehicles, Airborne vehicle support, Surveillance vans, Public Transport, Rail

Deployable – Surveillance camera static and mobile sites, temporary or rapid deployment scenarios.

See our other products and services at www.vemotion.com or call for more information.



Panel

Ethernet	2x Gigabit Ethernet
Video Out Port	1x DVI-I connector for analog RGB and DVI/HDMI outputs
Video input	4 SD inputs via 9way D-type to BNC.
Serial Ports	3x software-programmable RS-232/422/485 plus. Common PTZ protocols supported and bespoke protocols implemented
USB	3x USB 3.0 ports, 1x USB 2.0 port
Audio	1x Speaker-out
DIO	4-CH 5V TTL Digital Inputs + 4-CH 5V TTL Digital Outputs
Video Streams out over Network	Default 1 stream output with switchable Quad image. Additional live stream outputs available by enabling software encoders.

Power

Supply	Built-in 8~35 VDC DC input
Consumption	13.44W @12 volt full loading

Mechanical

Dimensions	149mm (W) x 105 mm (H) x 58 mm (D)
Weight DC	1.1 kg (with one 2.5" SATA HDD)
Recording capacity	1TB HDD available as standard, upgradeable to 2Tb. SSD Options. Configurable recording parameters – per unit or per camera

Environmental

Operating Temperature	-30°C ~ 70°C with SSD, 100% CPU loading & -10°C ~ 60°C with HDD, 100% CPU loading
Storage temperature	-40°C ~85°C
Humidity	10%~90% , non-condensing
Vibration	Operating, 5 Grms, 5-500 Hz, 3 Axes w/ SSD, w/o add-on card, according to IEC60068-2-27)
Shock	Operating, 50 Grms, Half-sine 11 ms Duration (w/ SSD, w/o add-on card, according to IEC60068-2-27