

VB-35 Rugged MilSpec Hybrid Encoder and Recorder

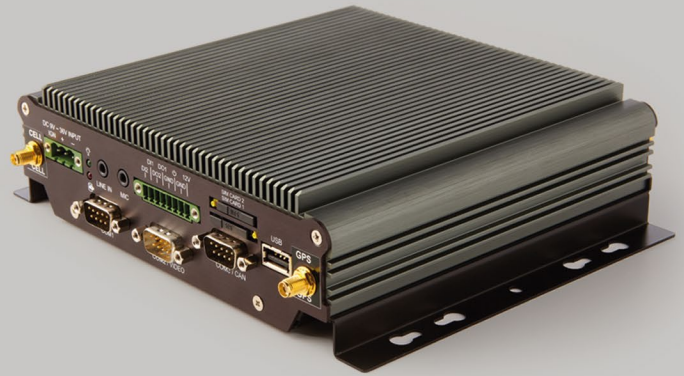


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More video, less bandwidth

VB-35

The **VB-35** from Vemotion is designed to MIL-810F for vehicle integration. An internal modem caters for Cellular networks to include, GPRS, 3G & LTE.



The VB-35 from Vemotion is a Rugged Milspec multi-channel hybrid recording and transmission unit, supporting options for Analogue and IP, HDMI, HD-SDI inputs. It offers outstanding performance in even the harshest of operating environments.

Its many standout features include its amazing low latency and sheer high quality of the images it is able to transmit at efficient bitrates, as well as its ability to support a variety of input types. The VB-35 can be used for a wide variety of different applications and across many environments. It has been specifically designed to deliver bandwidth efficient live video transmission and control in even the most challenging wireless and wired network conditions.

Simplicity of operation makes the VB-35 a compelling choice when you need to choose a MIL-810F compliant deployment unit. Multiple channels of transmission from the same unit are also possible with additional licensing.

Further user-friendly features include the ability to define the on-board recording and transmission parameters, together with a local user interface for full rate camera viewing and control (including recorded footage playback). On board recording and transmission parameters can be defined by the user and there is even a local user interface for full rate camera viewing and control including recorded footage playback.

The VB-35 makes use of Vemotion's optimised video compression and unique, low latency, V-TX transmission technology; technology which is fully encrypted and secure. This further differentiates the VB-35 within the marketplace, while delivering ease of use and rock-solid performance.

All Vemotion's products are designed to be 'plug & play', to be highly reliable, and to put you in complete control of the bandwidth used. They also work without the need for any specialist SIM cards or expensive airtime contracts, so keeping usage costs to a minimum.

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VB-35 Specification

Environmental

Operating Temp.	--40 ~ 70°C (SSD), ambient w/air
Storage Temp.	-40°C ~ 80°C
Relative Humidity	10 ~ 90%(non-condensing)
Vibration (random)	2.5g@5~500 Hz with SSD
Vibration Operating	MIL-STD-810F, Method 514.5, Category 20, Ground vehicle highway truck
Truck Storage	MIL-STD-810F, Method 514.5, Category 24, Integrity Test
Shock	Operating: MIL-STD-810F, Method 516.5, Procedure I, trucks and semi-trailers=15G (11ms) with SSD
Crash Hazard	MIL-STD-810F, Method 516.5, Procedure V, ground equipment=100g

I/O

Serial Port	2 x RS-232 (COM1 with RS-232/422/485)
USB Port	3 x USB 2.0 Ports
LAN	2 x RJ45 Ports for GbE
Video Port	1 x DVI-I Female Connector for DVI-D and VGA Output
GPIO Port	Support 2 In and 2 Out with Relay 12V / 100mA
Audio	Mic-in/Line-out
Expansion Bus	3 x Mini-card slots
Antenna	4 x SMA-type External Antenna Connectors for LTE / WLAN/ UMTS / GSM / GPRS / GPS / Bluetooth
SIM Card Socket	2 x SIM Card Sockets Supported Onboard with eject

System

CPU	Intel Cedarview Atom™ D2550 Dual Core 1.86 GHz
Memory	1 x DDR3-1066 SO-DIMM up to 4GB
Chipset	Intel NM10
Graphics	Intel GMA3650
ATA	2 x Serial ATA 2.0 Ports
LAN Chipset	2 x Realtek 8111E Gigabit Ethernet
Watchdog	1 ~ 255 Level Reset

Qualification

Certification	CE, FCC Class A, eMark Compliance
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Storage

Type	1 x 2.5" Drive Bay for SATA Type Hard Disk Drive / SSD 1 x SATA DOM
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Power

Power Input	9V - 32V DC Power Input
Power Draw	Full Loading 1.25A @ 12V
Power Management	Vehicle Power Ignition for Variety Vehicle
Power Off Control	Power off Delay Time Setting by Software, Default is 5 Mins
Battery (UPS)	Internal Battery Kit for 10 Mins Operating (optional)

Mechanical

Construction	Aluminium Alloy
Mounting	Wall-mount, VESA-mount, Din Rail Mounting Kit
Weight	1406g
Dimensions	182 x 167.6 x 52 mm

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