

VB-300u

Compact industrial streaming encoder & recorder



vemotion

More video, less bandwidth

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The Vemotion VB-300u is a compact industrial hybrid streaming encoder & recorder suitable for a wide variety of mobile (taxi, bus & coach, truck, train) or general video transmission applications.

Greatly enhancing streaming performance, the industrial standard VB-300u multi-media encoder delivers extremely low latency, high-quality images, even over low-bandwidths. Supporting 2 Full High Definition (FHD) cameras and simultaneous streaming of two FHD streams, the new encoder can also locally record video footage using its on-board 2TB SSD. For installation flexibility, the VB-300u can be used within a wide temperature range of 0°C - 55°C and for installation where space is at a premium.

Capitalising on the latest 4-core Intel processor technology, the new VB-300u delivers low latency and high-quality images transmitted at efficient bitrates, making it ideal for use within the most challenging of wireless (GPRS, LTE, 3G/4G/5G, Wi-Fi and Satellite), or wired (UTP and fibre) network conditions.

Plug & play and ONVIF compliant, the VB-300u is suitable for a wide variety of mobile (taxi,

bus & coach, truck, train) or general video transmission applications. It employs a rugged and compact design, and on-board SIM carrier for easy integration into any mobile network.

Employing Vemotion's latest streaming technology, the VB-300u can provide substantial cost-of-ownership savings, as it does not require special SIM cards to operate, such as those with a fixed IP address. In fact, any mobile SIM card can be used to stream the best quality camera images available, allowing CCTV system operators to take advantage of the best performing local network coverage, allied to and the most economical SIM pricing plans. In short, the VB-300u's advanced functionality allows streamed video to be automatically transmitted in the best quality, allied to the lowest possible bit rate, to avoid users racking-up costly bandwidth usage and quickly reaching their monthly data cap.



Key features:

- Video & audio real-time streaming
- Private, secure and encrypted
- 2 x Full HD Ethernet camera inputs
- 2 x Full HD output streams
- Video is time/date stamped
- Transmission over GPRS, LTE, 3G/4G/5G, Wi-Fi and Satellite
- Plug & play integration into third party VMS
- ONVIF compatible
- Optimised H.265 compression

Technical specification:

System

Processor	Intel Pentium N4200
Memory	4GB Dual Channel
OS	Ubuntu 18.04 LTS
Storage	2TB SSD for recordings

Ports

Ethernet	2 x Gigabit Ethernet
Modem	1 x 4G modem. 5G option available
USB	3 x USB 3.2 Gen 1 (Type A) 1 x USB 3.2 Gen 1 OTG
Digital I/O	8 x DIO, configurable as input or output
COM	2 x RS232/422/485

Display	1 x HDMI
	1 x Display Port
Audio	1 x Line out + mic in

Environment

Power	12 ~ 24 V DC in (lockable)
Dimensions	117 x 106.5 x 88.8 mm
Weight	982.5g
Operating Temp	0°C ~ 55°C (32°F ~ 140°F) with air flow 0.5m/s
Humidity	0% to 90% relative humidity, non-condensing
Certification	CE/FCC Class A, RoHS Compliant , REACH