

EnVigil Vehicle

Rugged video surveillance system for transportation industry
Local recording and remote access for moving vehicle, trucks, buses and railways

enVigil Vehicle is a rugged network video recorder (NVR) especially designed for public and commercial transportation applications. Securely inside its die cast aluminum enclosure it is fan less, IP 66 rated dust and waterproof and can tolerate humid and hot environment. The product is developed to withstand shocks, vibrations and temperature fluctuations. It provides uninterrupted in-vehicle recording in full frame rate HD resolution.



- Remote live video using Mobile 3G Broadband & WiFi
- Local HD recording
- Remote access to recorded data
- Rugged design tolerates vibration, heat & dust
- Power Supply for operation in vehicles, trucks and railways
- Tolerant to voltage swings form 6 volts to 34 volts
- Automatic programmed delayed shutdown
- Solid State Drive (SSD) for retention of data through crash and other catastrophic incidents. 2.5" rotating media for larger storage
- Low power solution – less than 2.5 amps at 12 volts
- Face capture capability

enVigil Vehicle is equipped to handle voltage fluctuation and surge voltage form 8 volt to 34 volts which is more than adequately to handle power fluctuation encountered in a vehicle. It has intelligent controller for programmable delayed and automatic shutdown after ignition switch is switched off to prevent battery being drained. Supplies power to cameras with automatic shut down. It is a low power system. Total power requirement of less than 36 watts including cameras. Power to the camera is provided form built in PoE switch.

In addition to integrated shock absorbers, enVigil Vehicle is equipped with a 4 GB Solid State Drive for the system and application software, and a 2.5" SATA hard drive or a Solid State Drives of up to 500 GB for recording video and sensor data.

It has built in VPN for secure and live remote video and sensor monitoring using mobile 3 G wireless broadband and WLAN infrastructure. Bandwidth adoption technology for smooth video monitoring.

enVigil Vehicle models come with license for 4 or 8 IP cameras. The enVigil Vehicle includes client software for local and remote monitoring. Face capture and motion detection capability.

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NVR system software	enVigil VMS software
Security	Multi Level Passwords, Built in VPN protection
Video Management Software	CMS for central monitoring of multiple Vehicles
Video compression for recording	H.264, MPEG-4, Motion JPEG as provided by IP Cameras
Video compression for remote surveillance	MPEG-4 with automatic communication bandwidth adoption
Resolutions	Supports SD, HD and Panoramic Cameras
Recording frame rate	Supports connected video cameras at full frame rates
Analytics	Motion detection and face capture capability
Operating system	Linux
Processor	Intel Atom D510 series CPU or Intel i3 mobile CPU
RAM	2 GB SODIMM DDR3
System disk	4 GB SSD drive
Local Storage	One 2.5" SATA Drive form 64 GB to 500GB Storage
Power Supply	Ignition switch sensing intelligent programmable shutdown for systems and cameras
Audio compression	AAC, G.711, G.726
Connectors	4 Ethernet PoE ports, 1 Ethernet up link port, 1 Hi-Speed USB 2.0, one serial port for connecting GPS device.
Input voltage	8 to 34 V DC
Max power	30 Watts for system and additional power for cameras
Operating temperature	-10 °C to 50 °C (14 °F to 122 °F)
Casing	Rugged aluminum enclosure
Weight	1.82 kg (4 lb.)
Dimensions	280(W) x 203(D) x 90(H) mm
Standards	RoHAS,
Certification	UL, FCC B, EU will be completed soon