# VEMO® 4000 Series In-Vehicle Video Surveillance System
## Enabled for Sentir® Cloud Video Surveillance Management Platform

VEMO®

In-vehicle video surveillance is increasingly being used by transport operators in both the public and private sectors. The need for real-time video access to increase situational awareness, reduce theft, and prevent violence and fraud, as well as to improve operating efficiencies, is motivating fleet managers and transportation authorities to consider mobile video surveillance systems as a critical part of their business management and security measures. Furthermore, the increased use and deployment of wireless infrastructure is making it easier to integrate real-time video streaming with mobile video surveillance equipment.

VEMO 4000 is an in-vehicle video surveillance system that records events from inside and outside the vehicle. With three mobile digital video recorders (MDVRs) and six cameras to choose from, VEMO 4000 provides a solution for a wide variety of transportation surveillance needs. This untethered solution utilizes cellular service and WiFi.

**Features**

- 3G/4G module for real-time video streaming and vehicle position tracking
- View multiple vehicles from a single login
- Simple Web browser access to live and recorded video
- Local video management software
- 4 CH DVR and 8 CH DVR – attach up to 8 analog cameras
- Video output for live view, playback to a local monitor
- H.264 Compression format
- Single channel microphone
- Quick event log search
- Time and date stamped on video recording
- Auto-Record to SD memory card when plugged in with power on
- Data stored in removable SD flash memory card
- Records video simultaneously with audio, G-sensor and GPS data

## Fully-integrated Cloud-Enabled In-Vehicle Surveillance System

## Applications


**Law Enforcement**
Protect Life, Support Officers, Reduce Response Time


**School Bus**
Stop Bullying, Protect Students, Stop Graffiti, Prevent Liability


**Commercial Transportation**
Monitor Assets and Improve Operations, Provide Driver Safety, Reduce Cargo Theft and Damage


**Emergency Response Vehicles**
Improve Safety, Save Lives, Get Critical Information as Events Unfold



One interface to the entire fleet using a single login

# MDVR Specifications



| Model: | VEMO-4030 | VEMO-4020 | VEMO-4010 |
|---|---|---|---|
| Channels | 8 channels | 4 channels | 4 channels |
| Main Chip | Hi-3531 | Hi-3515 | Hi-3515 |
| Video Input | 8ch Independent Input: 1.0Vp-p, 75Ω. Both B&W and Color Cameras | 4ch Independent Input: 1.0Vp-p,75Ω. Both B&W and Color Cameras | 4ch Independent Input: 1.0Vp-p 75Ω. Both B&W and Color Cameras |
| Audio Input | 8 Channels Independent Input 600Ω | Four Channels Independent Input 600Ω | Four Channels Independent Input 600Ω |
| Video Output | 1 Channel PAL/NTSC Output, 1.0Vp-p, 75Ω, Composite Video Signal | 1 Channel PAL/NTSC Output, 1.0Vp-p, 75Ω, Composite Video Signal | 1 Channel PAL/NTSC Output, 1.0Vp-p, 75Ω. Composite Video Signal |
| Audio Output | 1 Channel (8 Channels Can Be Convert Freely) | 1 Channel (4 Channels Can Be Convert Freely) | 1 Channel (4 Channels Can Be Convert Freely) |
| Compression | H.264 high profile | H.264 main profile | H.264 main profile |
| Storage | HDD, 2TB max | HDD, 1TB max | SD card , 2*64GB max |
| Recording | Full 960H/ D1 real time recording | Full D1 real time recording | Full D1 real time recording |
| Interface | VGA / USB 2.0 | USB 2.0 | USB 2.0 |
| Sensor In/Out | 8 channels input, 2 channels output | 4 channels input, 1 channel output | 4 channels input, 1 channel output |
| Network Interface | ■ LAN Port<br>■ WIFI<br>■ 3G | ■ LAN Port<br>■ WIFI<br>■ 3G | ■ LAN Port<br>■ WIFI<br>■ 3G *(cannot use 3G and LAN Port in the same DVR)* |
| Extended Interface | ■ GPS<br>■ RS485 & RS232<br>■ G-Sensor<br>■ Intercom | ■ GPS<br>■ RS485 & RS232<br>■ G-Sensor<br>■ Intercom<br>■ SD card slot | ■ GPS<br>■ RS485 & RS232<br>■ G-sensor<br>■ Intercom |
| Power Circuit Connection | Pin Aviation Connector | Pin Aviation Connector | Pin Aviation Connector |
| Power Consumption | DC8-36V 5% ≤12W | DC8-36V 5% 8W (without HDD) | DC8-36V 5% 8W (without HDD) |
| Operating Temperature | -4 °F ~ +185 °F (-20 °C ~ +85 °C ≤80%) | -4 °F ~ +185 °F (-20 °C ~ +85 °C) | -4 °F ~ +185 °F (-20 °C ~ +85 °C) |
| Dimensions (L x W x H) | 9.64 in x 7.48 in x 2.80 in (245 mm x 190 mm x 71 mm) | 8.35 in x 8.27 in x 2.68 in (212 mm x 210 mm x 68 mm (with holder)) | 6.06 in x 7.48 in x 2.05 in (154 mm x 190 mm x 52 mm) |
| Weight | 6.61 lbs (without HDD) (3.0 kg (without HDD)) | 4.19 lbs (without HDD) (1.9 kg (without HDD)) | 1.98 lbs (without HDD) (0.9 kg (without HDD)) |



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