

Smart Heavy-Duty Vehicle TPMS Solution



Semi-Trailer Truck



- 1 EV-S01
- 2 EV-TR01
- 4 EV-LM06
- 5 EV-RM30 & Vehicle DVR

School Bus

- 1 EV-S01
- 3 EV-RP01
- 4 EV-LM06
- 5 EV-RM30 & Vehicle DVR



Introduction

The Smart Heavy-Duty Vehicle TPMS Solution is designed to report you the information of tires on your vehicle. The complete solution includes a Smart Main Unit, TPMS Sensors, a Repeater and a Trailer Receiver. The Smart Main Unit can automatically search and match the TPMS Sensors, save your time from repeated and complicated adjustment. The TPMS Sensors detect the tire pressure and tire temperature in real time, and transmit these data to the Smart Main Unit through wireless technology. When under-inflation, over-inflation or abnormal temperature of the tires is detected, the Smart Main Unit will alert you immediately with LED and audible alarm.

The Smart Heavy-Duty Vehicle TPMS Solution can also work together with the Mobile Surveillance Solution to further increase the driving security. With a dedicated Receiver Box, you can also review the information of tires using EverFocus' Mobile DVR, and remotely track, monitor and manage any type of fleet vehicles using EverFocus' Xfleet fleet management server system.

Features

- Smart Main Unit can automatically search and match TPMS Sensors.
- Real-time monitoring of tire pressure, tire temperature, battery voltage of TPMS Sensors and wireless signal strength.
- Selectable tire pressure and tire temperature units.
- Smart Main Unit with 7 colors backlit provides visible and audible notifications.
- UHF wireless communication allows you to assign TPMS Sensors' ID using mobile app.
- TPMS Sensors are easy to install, and can be inflated directly without being uninstalled from the tires.

Advantages

- Intelligent design, no setting needed even the trailer is replaced.
- Alarm high / low limit can be configured quickly.
- Thru Flow TPMS External Sensors are easy to install.
- Simple setting steps and matching process.

TPMS and Mobile DVR Integration



EV-RM30

TPMS Receiver Box with RS-232 Interface, with Antenna

- Transmits matched TPMS Sensors' signal.
- Allows matching TPMS Sensor ID through Bluetooth or BTU.

EMV1200/800/400 FHD Hybrid

Mobile DVR



- Supports AHD/TVI/SD analog (up to 1080p) and IP (EMV400 analog only)
- Up to 4MP resolution for recording
- eZ.Controller function: Control camera OSD settings and PTZ operation directly from DVR end
- Supports HDD (up to 2TB) or SSD (up to 4TB)
- 3-axis G-sensor embedded
- M12 Aviation connectors adopted
- Multiple network monitoring: Web viewer, XFleet fleet management server system

EMV400S FHD

Mobile DVR



- Full HD mobile DVR (supports Analog SD/Full HD cameras)
- Up to 1080p full HD resolution for live and recording
- eZ.Controller function: Control camera OSD settings and PTZ operation directly from DVR end
- Supports SD card up to 128G
- 3-axis G-sensor embedded
- Multiple network monitoring: Web viewer, Genie XMS XFleet (Server System)

EMV400SSD

Mobile DVR



- Full HD mobile DVR (supports Analog SD/Full HD cameras)
- Up to 1080p full HD resolution for live and recording
- eZ.Controller function: Control camera OSD settings and PTZ operation directly from DVR end
- Supports SD card up to 128G
- Supports 2.5" SSD up to 4TB
- 3-axis G-sensor embedded
- Multiple network monitoring: Web viewer, Genie XMS XFleet (Server System)

Components of TPMS Solution



EV-S01

Thru Flow TPMS External Sensor

- Patented structure design for keeping strong mechanical strength in small size and light weight (only 15g / 0.03lb).
- Replaceable battery design to be more eco-friendly.
- 32-bit code design, allows replacing failure TPMS Sensor without resetting new TPMS Sensor ID.



EV-S02

TPMS Internal Sensor

- Longer life span.



EV-LM06

Smart Main Unit

- Automatically search and match TPMS Sensors.
- Real-time monitoring of tire pressure, tire temperature, battery voltage of TPMS Sensors and wireless signal strength.
- Selectable tire pressure and tire temperature units.



EV-RP01

Repeater

- Transmits TPMS Sensors and Trailer Receiver's signal.
- Enhances the signal of TPMS Sensors at the rear side of the vehicle.



EV-TR01

Trailer Receiver

- Transmits matched TPMS Sensors' signal.
- Allows matching TPMS Sensor ID through Bluetooth or BTU.

*All images presented in this document are for example only. Product models may vary in different countries. Please visit EverFocus regional Websites for detailed ordering information.

*Information contained in this document is subject to change without notice.

Specification



Model Name	EV-S01
Pressure Monitoring Range	0 ~ 1300kPa ±7kPa / (0 ~ 188psi ±1psi)
G-Sensor	Yes
Frequency	FSK, 433.92/315MHz
Battery Life	Approx. 12 months
Weather Resistance	IP68
Humidity	0% ~ 100%
Operating Temperature	-40°C ~ 85°C / -40°F ~ 185°F
Dimensions (D x H x L)	26.04 x 27.32 x 47.11mm / 1.02" x 1.07" x 1.85"
Weight	23g / 0.05lb
Certificates	CE, FCC, RoHS, SAE J2657



Model Name	EV-S02
Pressure Monitoring Range	0 ~ 900kPa ±7kPa / 0 ~ 130psi ±1psi)
G-Sensor	Yes
Frequency	FSK, 433.92/315MHz
Life	Approx. 5 years
Humidity	0% ~ 100%
Operating Temperature	-40°C ~ 85°C / -40°F ~ 185°F
Dimensions (D x H x L)	47 x 72 x 12mm / 1.85" x 2.83" x 0.47"
Weight	27g / 0.05lb
Certificates	CE, FCC, RoHS, TELEC



Model Name	EV-LM06
Tire Display Number	6 / 8 / 10 / 14 / 18
Buzzer Alarm	Yes
Display	LCM
Material	PC
Cable	USB to Mini USB
Cable Length	1m
Frequency	433.92MHz
Operation Voltage	USB 5VDC
Operation Current	Max. 50mA
Humidity	0% ~ 90%
Operating Temperature	-30°C ~ 80°C / -22°F ~ 176°F
Dimensions	88 x 52 x 20mm / 3.46" x 2.04" x 0.78"
Weight	50g / 0.11lb
Certificates	CE, FCC



Model Name	EV-RP01
Wireless Range	20m
Antenna	70cm / 2.5m / 4.5m / 10m
Cable Length	2m
Frequency	433.92MHz
Operation Voltage	9 ~ 30VDC
Operation Current	40mA
Humidity	0% ~ 90%
Operating Temperature	-40°C ~ 85°C / -40°F ~ 185°F
Dimensions	63 x 63 x 16.5mm / 2.48" x 2.48" x 0.64"
Weight	63g / 0.13lb
Certificates	RoHS



Model Name	EV-TR01
Display	LED
Antenna	2.5m / 4.5m / 10m
Cable Length	1.5m
Bluetooth	Class 2, Bluetooth 4.0 + EDR
Operation Voltage	9 ~ 36 VDC
Operation Current	Max. 20mA
Humidity	0% ~ 100%
Operating Temperature	-20°C ~ 70°C / -4°F ~ 158°F
Dimensions	98 x 58 x 16.2mm / 3.85" x 2.28" x 0.63"
Weight	126g / 0.27lb



Model Name	EV-RM30
Wireless Range	20m
Interface	RS-232
Frequency	433.92MHz
Operation Voltage	9 ~ 30VDC
Operation Current	40mA
Operating Temperature	-40°C ~ 85°C / -40°F ~ 185°F
Dimensions	97.9 x 58 x 17mm / 3.85" x 2.28" x 0.66"

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