WIOT

Wiot MNVR

Model: WG2100NVR

The WIOT MNVR (Mobile Network Video Recorder) is designed for video surveillance of vehicle fleets. The MNVR supports up to 16 onboard vehicle cameras with best-of-breed live and recorded video streaming.

The MNVR also has built in intelligent vehicle tracking (telematics), monitoring and reporting capability designed for managing vehicle fleets.

KEY FEATURES

- Real-time audio and video streaming and recording
- Remote access to live and recorded video and images remotely over 3G/4G network
- Recorded video playback and search
- Playback multiple cameras simultaneously
- Support for up to 16 cameras
- Wireless Communication with WiFi/hotspot, GSM network, 3G/4G LTE and Bluetooth
- Video downloading via WiFi
- Communication Interfaces for HDMI, USB, RS485 and RS232
- Identity and attendance management capabilities through onboard RFID
- High-precision location-based tracking with on-board GPS
- Wireless/Wired Sensor Management & Integration with on-board temperature/humidity, fire/smoke, door open/close, IR motion detection and vehicle sensors for Tire Pressure, Engine, AC, etc.
- SOS emergency event alarm
- On-Board Diagnostics (OBD) interface for general alerting, e.g., engine, battery, radiator, tire, air conditioning, etc.

USE CASES

Given the features of the WIOT MNVR, there are many impending use cases that can be easily implemented based on its capabilities.

Video Surveillance

- School bus and fleet vehicle safety

GPS and G-Sensor

- Driver behavior detection and alerts
- Geo-Fencing restrictions capability for vehicles

RFID/NFC

- Card or mobile phone-based attendance management and tracking

SOFTWARE OVERVIEW

The WIOT MNVR is part of our larger WIOT Fleet Management Solution. The WIOT Fleet Management Solution is designed to handle large vehicle fleets from order fulfillment, to route scheduling, to dispatching drivers, and the way to fleet cost reduction.

Here is an overview of the key features of the Fleet Management Solution

- Real-time Dashboard of vehicles, including alerts and notification on individual vehicles
- Live and recorded video surveillance streaming
- Management of Vehicles, Drivers, and Stations/Depots
- Vehicle Route Planning and Optimization
- Vehicle Dispatching and Telematics
- Vehicle Service, Maintenance & Cost Reports
- Cost Optimization Plan
- Driver Behavior and Performance Reports
- Fleet Analytics Reporting Dashboard

For more information on how WIOT can help improve and manage your fleet, please contact:
sales@innoventintegrated.com

TECHNICAL SPECIFICATION

WIRELESS CONNECTIVITY	
WiFi/Hotspot	Support
Wireless 433	Support
Internet	4G full Netcom
Bluetooth	Support

SWITCHES / INTERFACES	
OFF/ON	Power switch
Analog detection interface	2 detection voltage value DC0-12V

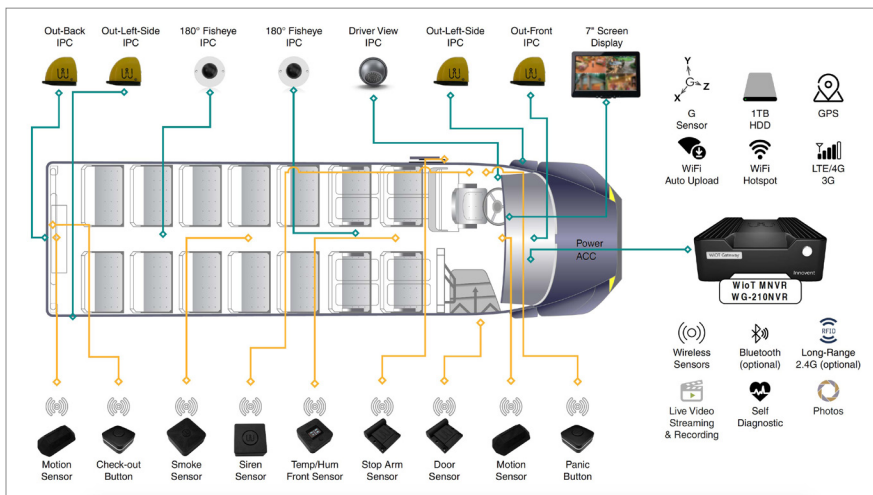| Voice intercom	Two-way voice intercom
Status Indicator	Three-color running status light
RS485	1
RS232	2 RS232 level
USB	1 usb2.0
PWR/ACC/OIL	Remote oil circuit cutoff, ignition control
RFID	Support
POE/LAN1	6-core air head power supply / network communication interface

VIDEO & IMAGE PARAMETERS	
Video Standard	PAL: 25 frames/Sec; NTSC:30 frames/Sec
Image Compression	H.264 & H.265
Playback Resolution	1080P(1920*1080)
System Resources	1080P, PAL : 200fps : NTSC : 240fps
Video Display	Up to 16 screen display
Image Format	1080P(1920*1080)

DATA INPUT / OUTPUT	
Positioning	Support GPS and Beidou
OBD / CAN bus / diagnostics interface	OBD Interface CAN bus interface - Support 2
Video & audio input	1080P for video, 160Mbps access bandwidth and 16-channel network video input
Video & audio code	16-channel synchronous playback
Video mode	Manual video recording, timing video recording, event recording and other modes of video recording
HDMI & VGA	Support

WIOT

STORAGE & OPERATING SYSTEM

Operating System	Windows
Hard disk drive	Two SATA interfaces. Each interface supports the hard disk with a maximum 6TB capacity

POWER SUPPLY

Power supply anti-verse connection maximum protection voltage	-DC 36V
Power input interface voltage value	DC 9V-36V
ACC Interface voltage	DC 9V-36V

ENCLOSURE

Device dimension	246*190*65mm
Shell material	Alluminum alloy
Working temperature	-20°C-85°C
Device storage temperature	-25°C-105°C
Max. Humidity	5% ~ 95% (No frost)
Remote upgrade	Support

DEPLOYMENT ILLUSTRATION
Sensors, Cameras, Display, and Cabling are not included with the WIOT MNVR.

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SUPPORT
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