VACRON
ADVANCES IN SECURITY SOLUTIONS

2021

VACRON
ADVANCES IN SECURITY SOLUTIONS

Mobile surveillance

We offer total solutions
in surveillance system.

- **Professional Driving recorder**

- **Cameras**

- **Motorbike DVR**

- **Dash Camera**

- **Rear View Camera**

- **Cloud Service**

- **Project application**

www.vacron.com

FUHO Technology CO.,LTD.

VVH-MD88DA 8CH

MDVR

Compatible Wide Range Power Input from 8V to 50V

Automatic recording after activate device.

*Customized model, photo for reference only

Upgrade

H.265 Compression

50% **Save half bandwidth**
Save half bitrate

Save half Storage
Double the data compression ratio at the same level of video quality **50%**

100% **Improved Video Resolution**
Substantially improved video quality at the same bit rate

Complete compatible
realizability **H.264 H.265**

Advanced driver-assistance systems (ADAS)

Pedestrian detection(PD) 、Forward Collision Warnings (FCW)
Adaptive Cruise Control (ACC) 、Lane departure warning (LDW)

Driver Status Monitor (DSM)

Driver calling detection alarm. Driver smoking detection alarm.
Driver fatigue driving alarm. Driver abnormal alarm
(when there is no driver or driver does not sit at the right place)

· 4G/WIFI capability
· Support 1080P/720P/D1 compatible resolution.
· Power management system, support parking mode.
· Completely record the driving video and audio, easy searing by index file.

Built in G-sensor

G-sensor detection trigger
forcedevent video, protect yourself

AV video output

Video output can connect with
external monitor for live view and playback

1

2

New upgrade H.265 Compression

MDVR

Compatible Wide Range Power Voltage Input.
Support 4/8 vehicle camera.

4CH Advanced
VVH-MDE304-3GA
【BSMI】 【FCC】 【CE】

8CH Advanced
VVH-MDE308-3GA
【BSMI】 【FCC】 【CE】

- **Recording** Resolution : 1080P&720P
- **GPS**
  GPS offer vehicle's speed, direction, and route track records.
- **Video Inputs** /Output
  Support alarm input and audio input/output.
- **Power management** system
  Power management system, support parking mode
- Built in G-sensor
  G-sensor detection trigger forcedevent video, protect yourself
- **AV video** output
  Video output can connect with external monitor for live view and playback
- Built-in Supercapacitors
  Automatic keeping recoding after turn off engine , ensure recoding files write back to SD card.

4ch Barebone

VVH-MDE43
- Recording Frame : 1080P/720P/960H
- Super Wide Range Power Input +8V up to +60V
- Built-in G Sensor & Gyro Sensor
- Bespoke System Integration by Means of ARM MCU
- Two Way Audio Live Communication Support

8ch Barebone

VVH-MDE83
- Recording Frame : 1080P/720P/960H
- Super Wide Range Power Input +8V up to +60V
- Built-in G Sensor & Gyro Sensor
- Bespoke System Integration by Means of ARM MCU
- Two Way Audio Live Communication Support

8ch High-end

VVH-MD88DA
- Recording Frame : 1080P/720P/D1
- Built-in G-sensor
- H.265 Compression
- 4G/WIFI capability
- Back up video format converter to AVI form PC viewer
- Built-in ADAS & DSM

4ch Entry level

VVH-MDE46
- Recording Frame : 1080P/720P/D1
- H.264 video compression codec.
- Built-in G-sensor.
- Built-in Supercapacitors, automatic keeping recoding after turn off engine, ensure recoding files write back to SD card
- Automatic instant video recording after startup, storage video after engineer off
- GUI Control interface.

4ch Professional
【BSMI】 【FCC】 【CE】

VVH-MD42D-3GA
- Recording Frame : 1080P/720P/D1
- H.264 video compression codec.
- Built-in G-sensor
- 4G/WIFI capability
- Support alarm input and audio input/output
- Wide Range Power Voltage Input

8ch Professional
【BSMI】 【FCC】 【CE】

VVH-MD82D-3GA
- Recording Frame : 1080P/720P/D1
- H.264 video compression codec.
- Built-in G-sensor
- 4G/WIFI capability
- Support alarm input and audio input/output
- Wide Range Power Voltage Input

Smart AI Dash Cam   VVM-CBE63

3 Axis G-Sensor & Gyro Sensor Built in

[Catering MTK Profile 64-bit Quad-Core CPU]

RAM&ROM Speed Loading 100% Data Relayed   Driver Monitoring System

With VACRON's multi-functional system, the image and information can be managed on the cloud. It can be operated from a phone APP, computer webpage, or software system. Perfectly paired with AI calculations and two-way intercom to avoid safety concerns by yielding more effective management personnel and DSM driving monitoring system.

Face ID Competence of accurate & accessible workforce Control

- 3G/4G/BlueTooth/WiFi Wireless Communications
- Support a variety of camera models.
- GPS & BDS Dual Global Position System
- Microphone & Speaker Built in

Support one external camera (2CH) that can deploy to anywhere inside the vehicle．

(Forward Facing 125°)

(Detachable and interchangeable external camera)

VVM-CBE63

- Forward Facing 125° / In Car 90°
- 3 Axis G-Sensor & Gyro Sensor Built in
- Microphone & Speaker Built in
- GPS & BDS Dual Global Position System
- 3G/4G/BlueTooth/WiFi Wireless Communications

VVG-CBN11

- 720P
- H264 Compression
- Automatic instant video recording after startup, storage video after engineer off
- Video and Audio recorded synchronize inside and outside of the car.
- Built in G-Sensor

VVG-CBN11A

- View angle 100 degree, Auto IRIS
- Low Lux and great HDR sensor
- High low Temperature durability casing
- Manually recording to save important data
- HD resolution

VVG-CBN37(G)

- 1080P SONY CMOS
- Video and Audio recorded synchronize inside and outside of the car.
- Built-in Supercapacitors, automatic keeping recoding after turn off engine, ensure recoding files write back to SD card
- Multi-External camera optional
- Built in G-sensor, trigger impact emergency event and record

VVG-CBN33B

- 120° View Angle
- H264 Compression
- Video and Audio recorded synchronize inside and outside of the car.
- Automatic instant video recording after startup, manual event record
- Built in G-sensor, trigger impact emergency event and record

VVG-CBN39(G)

- 1080P SONY CMOS
- Video and Audio recorded synchronize inside and outside of the car.
- Built-in Supercapacitors, automatic keeping recoding after turn off engine, ensure recoding files write back to SD card
- Multi-External camera optional
- Built in G-sensor, trigger impact emergency event and record

VVG-CBE07D

- Front view angle 120 degree, Rear view angle 130 degree
- Video and Audio recorded synchronize inside and outside of the car.
- Specific format without explosion issue
- Route record
- Built in G-sensor, trigger impact emergency event and record

VVG-CBE15A

- 120° View Angle
- H264 Compression
- Video and Audio recorded synchronize inside and outside of the car.
- Automatic instant video recording after startup
- Built in G-sensor, trigger impact emergency event and record

VVG-CBN11B

- View angle 100 degree, Auto IRIS
- Low Lux and great HDR sensor
- High low Temperature durability casing
- Manually recording to save important data
- "MIT" reward

4G Wireless network and GPS location

4G Wireless network connect to cloud server for remote monitoring

Built-in GPS module, for the track record of the travel route, you can click on it when playing the video.
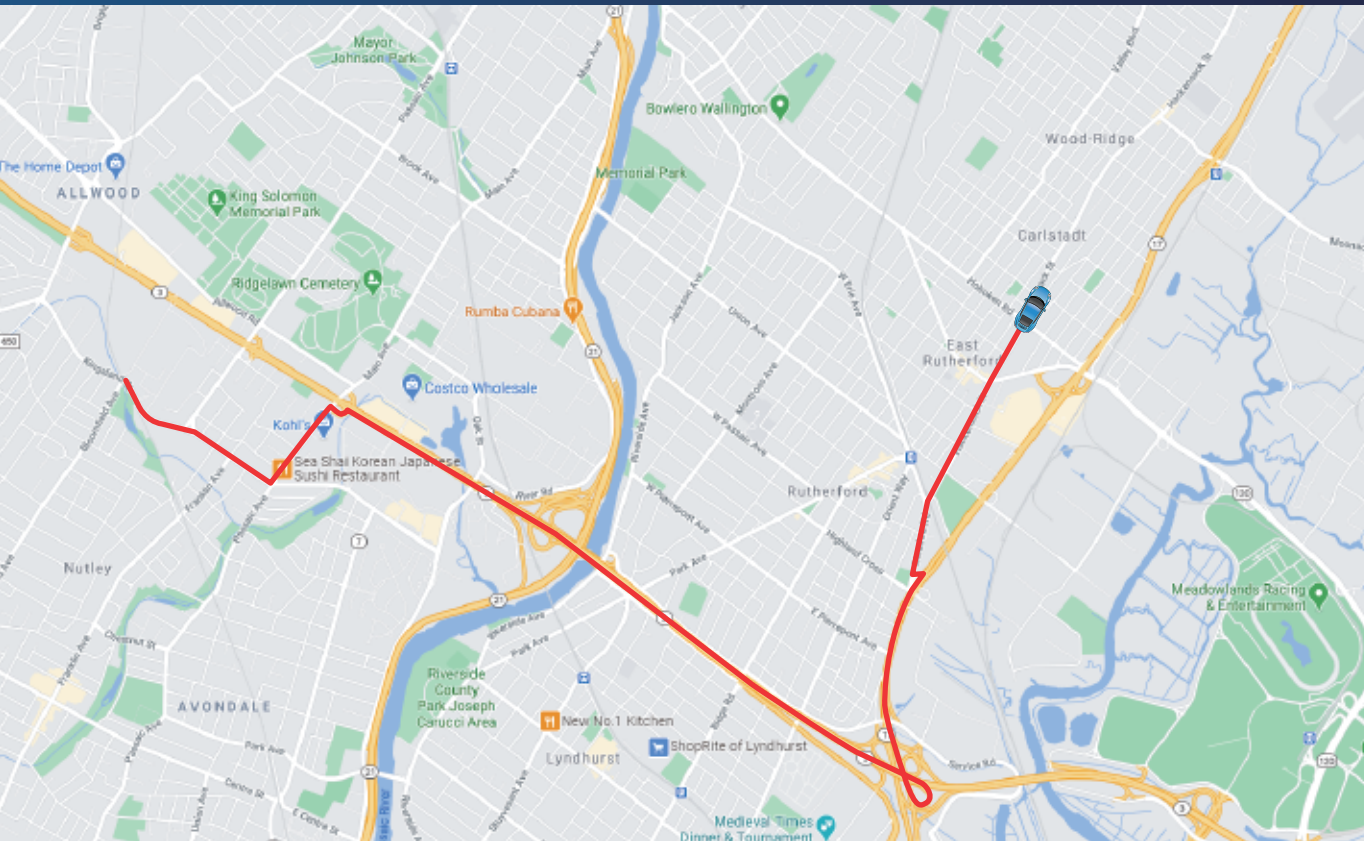
VVG-MDE55A
Cloud Based Wearable Recorder

・Support 1080P resolution, H264 Compression

・Overwritten the normal record and keep the event file

・Built in Microphone and LED indication
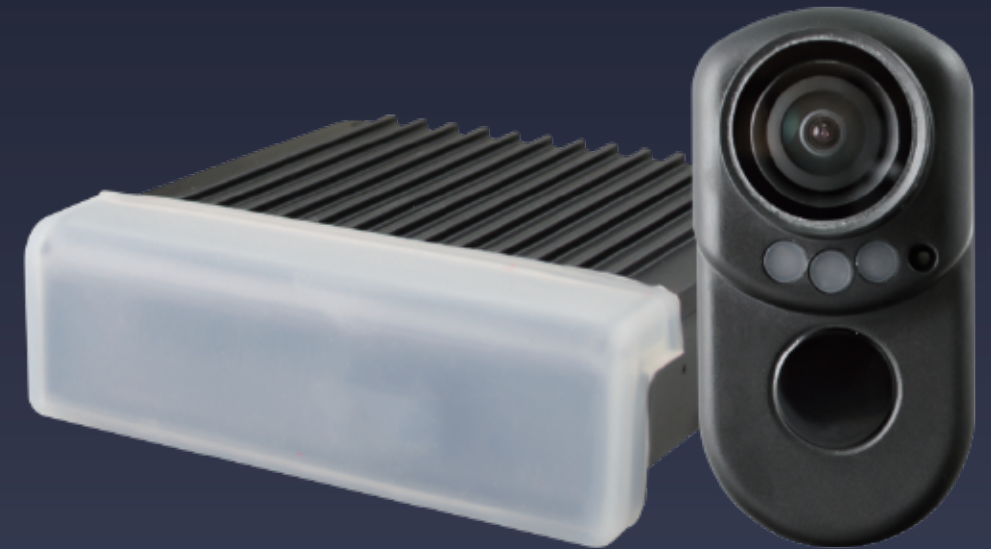
140° View Angle

Simplify design x Durability

Compatible Vacron APP for cloud service

Integration Management One APP support all feature	Mobile phone operation Fast searching by video index
Multiple monitoring devices such as driving monitoring and IPcam can be added at the same time	Video Images can be retained for several days without removing the memory card

iOS   Android

Multi-angle
universal lens mount
Easy installation

360°

IP66
(Body camera)

Simplify DVR

Dimension80x78x26mm
Weight only 160g
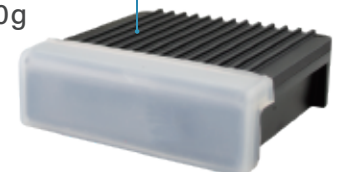
VVG-CB **E57**

Detachable

Plug and play design
Support power bank USB 5V input

Dual model support 1080P high resolution

Built in Wifi for live vie, playback and backup video file.

VVG-CB **E59**

IP67 IP Rate

Embedded 32GB eMMc memory
The micro din connector is convenient for wiring,
and the USB plug can be connected through the cable

Wearable Easy installation
IP66 New upgrade
(Camera lens)

Wearable Easy installation
IP66
(Camera lens)

1080P Indoor flexible Type
【FCC】 【CE】

1080P Outdoor flexible Type
IP67

Multi-Application

VVG-MDE55A
· 1080P resolution
· 140° View Angle
· 4G Wireless network connect
  to cloud server
· Recycle record without overwritten
· Built in GPS record the route
· USB dongle

VVG-MDE55
· 1080P resolution
· 140° View Angle
· Based on high-capacity mobile
  power bank input
· Recycle record without overwritten
· USB dongle

VVG-CBE57
· 110° View Angle
· H264 Compression
· Built in Microphone, Sync the
  video and audio
· Automatic instant video recording
  after startup, storage video after
  engineer off
· Built in Wifi for live view and
  playback from APP

VVG-CBE59
· 110° View Angle
· H264 Compression
· Built in Microphone, Sync the
  video and audio
· Automatic instant video recording
  after startup, storage video after
  engineer off
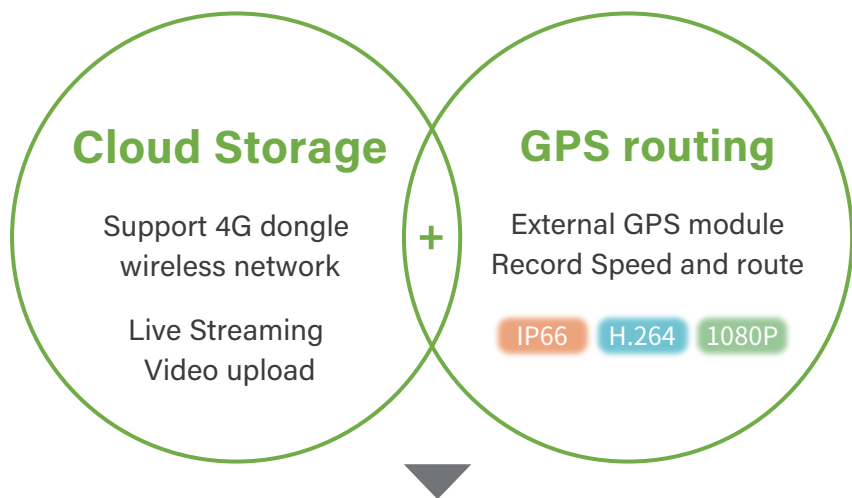· Built in Wifi for live view and
  playback from APP

Home Surveillance   Go out to use   Vehicle and motorbike Surveillance

Cloud Storage

Support 4G dongle wireless network

Live Streaming Video upload

+

GPS routing

External GPS module Record Speed and route

IP66　H.264　1080P

▼

VVH-MDE58G

Compatibility Motorbike DVR
BSMI certificate, low voltage and high radiation

Wifi P2P. Trigger lock impact event video, Delay power off after ACC off.

Power Source directly from Vehicle.

Easy cope with various emergencies

【BSMI】

2ch

VVH-MD31D

- Resolution:4M/1080P/720P
- H.264 video compression codec.
- Built-in Supercapacitors, automatic keeping recoding after turn off engine, ensure recoding files write back to SD card
- Automatic instant video recording after startup, storage video after engineer off
- USB WiFi dongle

2ch

VACRON SV2

- Resolution:720P
- H.264 video compression codec.
- Built-in Supercapacitors, automatic keeping recoding after turn off engine, ensure recoding files write back to SD card
- Automatic instant video recording after startup, storage video after engineer off
- USB WiFi dongle

1ch 【BSMI】

VVG-MDE56

- Resolution:1080P
- H.264 video compression codec.
- Built-in Supercapacitors, automatic keeping recoding after turn off engine, ensure recoding files write back to SD card
- Automatic instant video recording after startup, storage video after engineer off
- No build-in Lithium battery to prevent possible danger and heat explosion

2ch 【FCC】

VVH-MDE16

- Resolution:D1
- H.264 video compression codec.
- Built-in Supercapacitors, automatic keeping recoding after turn off engine, ensure recoding files write back to SD card
- Automatic instant video recording after startup, storage video after engineer off
- USB WiFi dongle

2ch

VACRON SV1

- Resolution:D1
- H.264 video compression codec.
- Built-in Supercapacitors, automatic keeping recoding after turn off engine, ensure recoding files write back to SD card
- Automatic instant video recording after startup, storage video after engineer off
- USB WiFi dongle

2ch 【FCC】【CE】

VVG-MDE50

- Resolution:720P
- H.264 video compression codec.
- Built-in Supercapacitors, automatic keeping recoding after turn off engine, ensure recoding files write back to SD card
- Automatic instant video recording after startup, storage video after engineer off
- USB WiFi dongle

1ch 【BSMI】【FCC】

VVG-MDE08FH

- Resolution:1080P
- H.264 video compression codec.
- Built-in Supercapacitors, automatic keeping recoding after turn off engine, ensure recoding files write back to SD card
- Automatic instant video recording after startup, storage video after engineer off
- USB WiFi dongle

2ch 【BSMI】【FCC】

VVG-MDE08B

- Resolution:720P
- H.264 video compression codec.
- Built-in Supercapacitors, automatic keeping recoding after turn off engine, ensure recoding files write back to SD card
- Automatic instant video recording after startup, storage video after engineer off
- USB WiFi dongle

VACRON

SONY CMOS

4MP **IP66**

AVM-S525D5V

· 1/2.9" SONY CMOS Sensor
· 4.0 Mega Pixel
· Normal、mirror image
  interchangeable setting
· 2.9 mm Lens

1080P **IP68**

AVM-S225C5V/12V

· 1/2.9" SONY CMOS Sensor
· Resolution:1080P
· Normal、mirror image
  interchangeable setting
· 3.6mm/2.8mm Lens

1080P **IP68**

AVM-S231C5V/12V

· 1/2.9" SONY CMOS Sensor
· Resolution:1080P
· Normal、mirror image
  interchangeable setting
· LEDs: 6pcs
· 2.8 mm Lens

1080P **IP68**

AVM-S252C5V/12V

· 1/2.9" SONY CMOS Sensor
· Resolution:1080P
· Normal、mirror image
  interchangeable setting
· LEDs: 6pcs
· 2.8 mm Lens

1080P

AVM-S251C5V

· 1/2.9" SONY CMOS Sensor
· 2.6mm Lens
· Normal、mirror image
  interchangeable setting
· LEDs: 6pcs

1080P **IP66**

VCN-5926HD512V

· 1/2.9" SONY CMOS Sensor
· 2.8mm / 3.6 mm Lens
· LEDs: 12pcs
· IR Range: 3~5 M

720P **IP68**

AVM-S225B12V

· 1/2.9" SONY CMOS Sensor
· 2.6 mm Lens
· Normal、mirror image
  interchangeable setting

720P **IP68**

AVM-S231B12V

· 1/2.9" SONY CMOS Sensor
· 2.6 mm Lens
· Normal、mirror image
  interchangeable setting
· LEDs: 6pcs

OTHER

1080P **IP66**

AVM-S265C12V

· 1/2.9" SONY CMOS Sensor
· 4.0 mm Lens
· Normal、mirror image
  interchangeable setting
· LEDs: 10pcs

1080P **IP67**

AVM-S226C5V

· 1/2.9" SONY CMOS Sensor
· 3.3 mm Lens
· Normal、mirror image
  interchangeable setting

1080P **IP66**

AVM-S236C5V

· 1/2.9" SONY CMOS Sensor
· 3.3 mm Lens
· Normal、mirror image
  interchangeable setting

1080P **IP69**

AVM-S5926HD512V

· 1/2.8" SONY CMOS Sensor
· Resolution:1080P
· 2.8mm Lens

720P **IP68**

AVM-S252B12V

· 1/2.9" SONY CMOS Sensor
· 2.6 mm Lens
· Normal、mirror image
  interchangeable setting
· LEDs: 6pcs

1080P **IP67**

AVM-F126C5V

· 1/2.7" CMOS Sensor
· 3.3 mm Lens
· Normal、mirror image
  interchangeable setting

720P

AVM-H251B5V/12V

· 1/4" CMOS Sensor
· 2.6 mm Lens
· Normal、mirror image
  interchangeable setting
· LEDs: 6pcs

720P **IP68**

AVM-H231B5V/12V

· 1/4" CMOS Sensor
· 2.6 mm Lens
· Normal、mirror image
  interchangeable setting
· LEDs: 6pcs

VACRON

720P **IP68**

AVM-H252B 5V/12V
· 1/4" CMOS Sensor
· 2.6 mm Lens
· Normal、mirror image
  interchangeable setting
· LEDs: 6pcs

720P **IP68**

AVM-H237B
· 1/4" CMOS Sensor
· 2.0 mm Lens
· Normal、mirror image
  interchangeable setting

720P **IP68**

AVM-H225B
· 1/4" CMOS Sensor
· 2.0 mm Lens
· Normal、mirror image
  interchangeable setting

720P **IP66**

AVM-H223B 5V/12V
· 1/4" CMOS Sensor
· 110° View Angle
· 2.1 mm Lens
· Normal、mirror image
  interchangeable setting

960H **IP68**

AVM-H252A 5V/12V
· 1/4" CMOS Sensor
· 2.6 mm Lens
· Normal、mirror image
  interchangeable setting
· LEDs: 6pcs

960H **IP68**

AVM-H225A
· 1/4" CMOS Sensor
· 2.0 mm Lens
· Normal、mirror image
  interchangeable setting

960H **IP68**

AVM-H237A
· 1/4" CMOS Sensor
· 2.0 mm Lens
· Normal、mirror image
  interchangeable setting

960H **IP66**

AVM-H231A 5V/12V
· 1/4" CMOS Sensor
· 2.6 mm Lens
· Normal、mirror image
  interchangeable setting
· LEDs: 6pcs

960H **IP66**

AVM-H223A 5V/12V
· 1/4" CMOS Sensor
· 110° View Angle
· 2.1 mm Lens
· Normal、mirror image
  interchangeable setting

960H **IP66**

AVM-H265A 5V/12V
· 1/4" CMOS Sensor
· 2.6 mm Lens
· Normal、mirror image
  interchangeable setting
· LEDs: 10pcs

Vacron Cloud service

Vacron Could setup and maintain
without any data secured issue

"No external storage need, private cloud storage service anytime"

☑ Flexible storage days.
☑ Authorization management.
☑ Unable to delete image to ensure image authenticity.
☑ Integrate multiple device management.

User friendly interface
Web browser live view, playback and
GPS route

*Cloud video compression limited, the cloud video quality
 will less than 1080P. Recommend user to get the raw data
 from storage if needed.

1 Download APP and apply
the account will be active
the cloud service immediately.

2 Regular maintenance
ensued the secured and privacy

3 Integration All
surveillance system

SAFETY

CMS (Central Monitoring System)

Integrate and manage the interface of different monitoring devices into one operating platform.

+

Artificial Intelligence (AI) Analysis

Auto-detection and early warning notification can reduce accidents and the cost.

Intelligence Recognition System Integration

Integrate with existing system data to accurately and effectively master a large amount of data.

Suitable for All Railway Transportation

High-Speed Rail、Subway、Train、MRT、Light Rail、Cable car
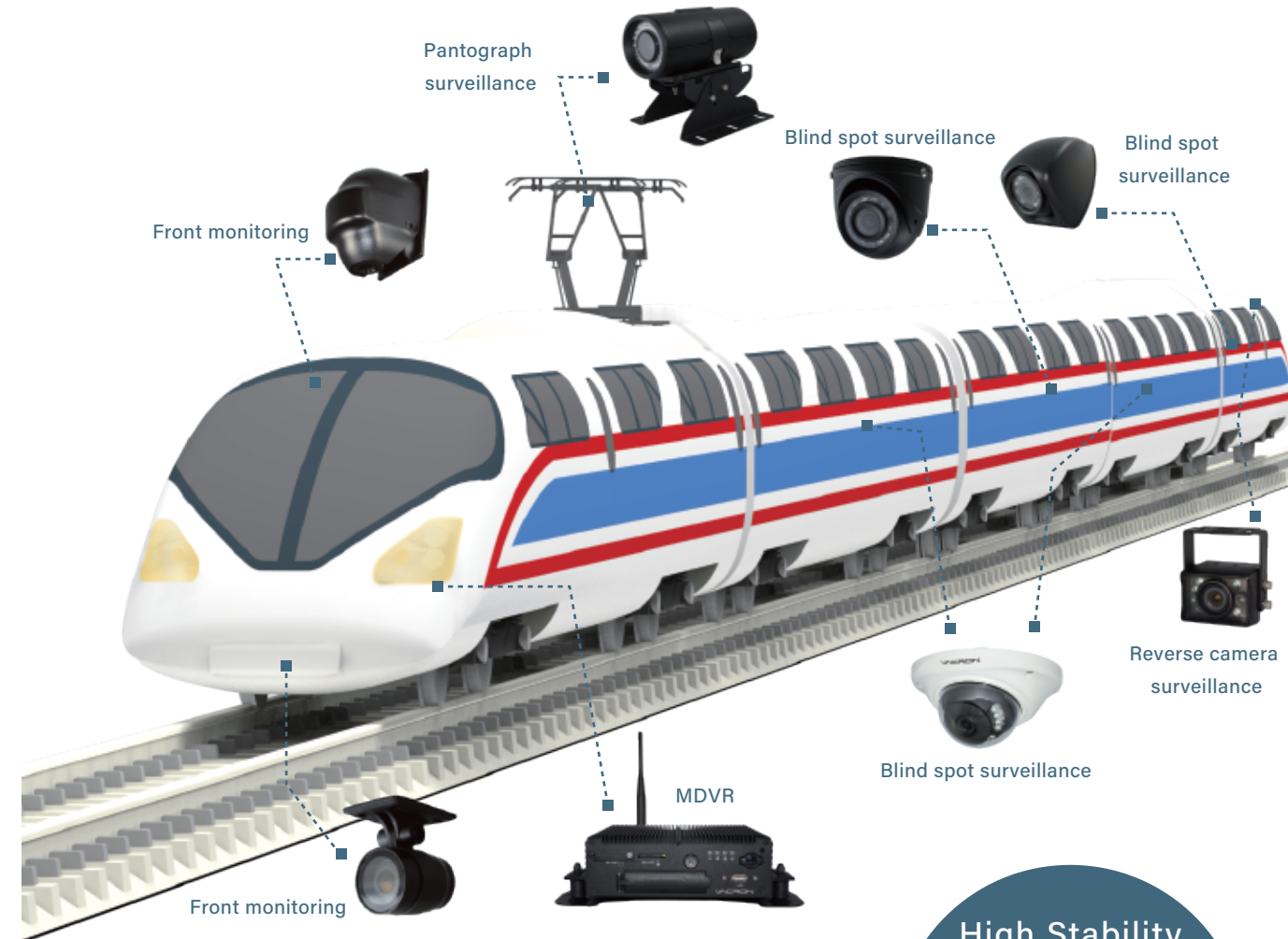
Various specification

Multiple transmission methods(WIFI, 3G/4G, Network cable, Coaxial cable).

A great variety of camera specification suitable for various device location.

(IP CAM, AHD, DTV, Car)

The host device can be used with different performance and demand from 2ch to 64ch.

Multiple Installation Locations

From main part of the transportation system
(Inside and outside of train cabin, train station and garage),
to all moving road sections—
(Ex: Railway, railroad crossing, viaduct, tunnel etc.)
Setting up all moving and fixed-point camera sites.
(AHD, IPCam, and other railway certification cameras).

Provides Railway Certification(EN50155)

on the hardware with high stability and durability, as well as customized services on the software.

Pantograph surveillance

Blind spot surveillance

Blind spot surveillance

Front monitoring

Reverse camera surveillance

Blind spot surveillance

MDVR

Front monitoring

High Stability product

Vehicle DVR/3G-4G application remote monitoring management system

Vehicle tracking system, integrated GPS/GSM and GPS by wireless network for fleet management.

Crime prevention

Monitoring the carriage, protect the passenger. Compatible 3/4G, provide the interface for passenger data exchange.

Equipment Monitoring

Live view monitoring the Pantograph and carriage.
Ensure the passenger Safety.

Driver Behaver

Driver attendance, alcohol detection.
provide management center immediately data for safety transportation.
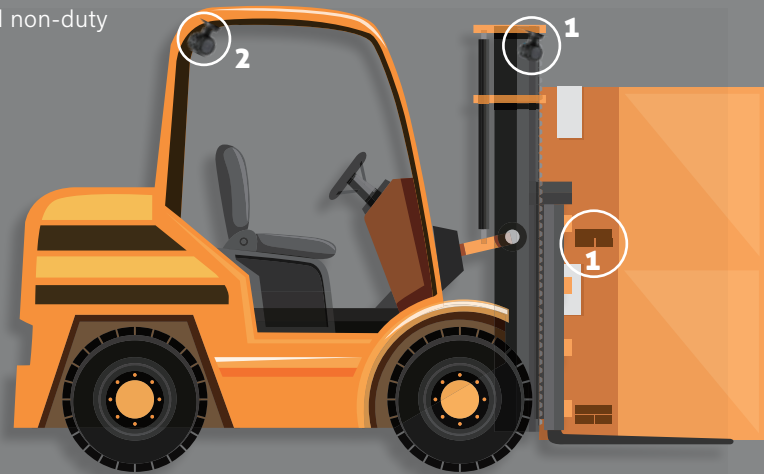
Engineering Vehicle management

Video surveillance not only clarify accidents and internal education, but also reduce the cost of owners and effectively prevent injuries.

1
Front camera on Forklift front view
The image is shot from back to front to check the actual operating status of the forklift.
General surveillance cameras have blind spots in shooting, and the detailed codes of the goods cannot be intercepted. he goods can be captured through the forklift camera, and dispatch records or codes can be tracked.

2
The rear camera is installed on the side of the driver.
Video capture drivers, through images to correct improper work behavior and accountability, to avoid non-duty personnel driving.

＊ This photo is for reference only.

Application Area

Dispatch centers, factories, warehouses, stations, Sea ports, airports and other places, and can enter the warehouse, carriages and containers.
Engineering vehicles carry out loading, unloading and stacking operations on finished products, packages, pallets, containers and other containers, which are indispensable equipment for pallet container transportation.

Feature

- Suitable for all kinds of oil-electric engineering vehicles
- Camera and DVR support IP66 rate
- Operation temperature -25°C to 70°C
- Wide voltage range-with engineering vehicle voltage (DC-DC power box)
- G-sensor sensing device-when an impact is detected, the trigger will be written on the event video
- Live streaming monitoring to video web cloud platform

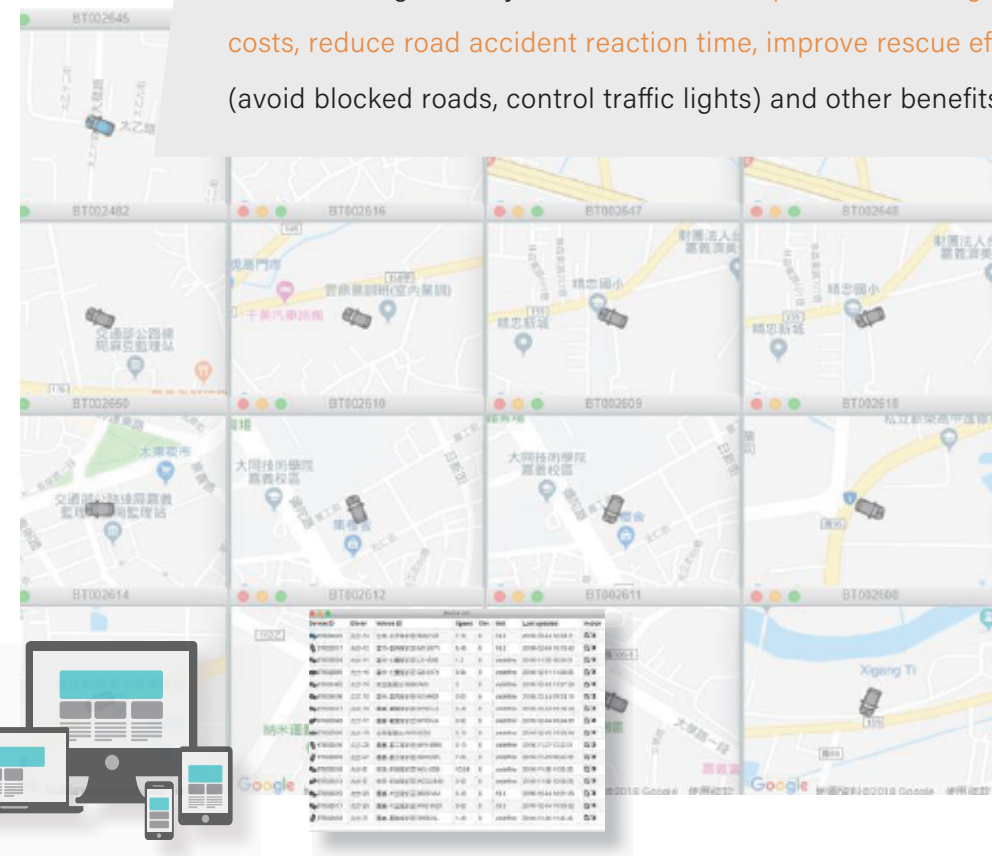## Police Rescue Fleet management

The work of police and ambulance counts every second, efficiency is everything.
Smart fleet management, Rescue operations can maximize the benefits per minute.

1 Report, detect and judge | **2** Streaming video | **3** Quick dispatch

Fleet integration

Providing immediate rescue and avoiding re-injury is the goal repeatedly pursued by the police rescue team.

The fleet integration system can save transportation management costs, reduce road accident reaction time, improve rescue efficiency (avoid blocked roads, control traffic lights) and other benefits.

High Performance Imaging System.
Simple, Stable and Reliable

It accommodates various monitoring equipment, and manages more than 5000 cameras at the same time, integrates different management interfaces on the same platform. It is equipped with various remote monitoring, video playback which allows the manager to operate conveniently.

Compatible with System Integration
Image integration functions

I7 computer supports more than 200 devices with 1600 cameras connected. (Support up to 5000 cameras)

SD card
Storage Endurance

Equipped with various of system

Equipped with Car Plate Number / Face Recognition

Support H.265

Support High Definition Quality Performance Cameras

Web Interface Operation

Two-way Audio

LINUX Operation System

Remote Playback

Continuous video uploading

Support Web Browsers to live viewing.

The web browsers do not need to be installed, the plug-in software plays the video directly.

Less than 0.5 second in video latency.

Support PTZ protocol

Support video recover resuming, video scheduling resuming, and time interval resuming.

Auto upload images where it was left off when the network is reconnected to ensure that all the image upload is not missing.

Security Permission

GMSERVER mini PC

Support Devices	Max. 40 devices
Record Mode	Normal record/Event record
Network Protocol	Ipv4 / ARP / TCP / UDP / ICMP / HTTP
System Management	Able to use Chrome to do the setting / remote playback/live view
	Account management

Vacron Provides Multiple Video Surveillance Integration.

Redefine surveillance image management software
Rapid hardware iteration, and selectable according to your needs.

Face recognition system

Miles   Cathy   Charlie
Fanny   Adora

Let home, company, and more peace of mind

Smart Guarder Management System

24hrs automatic monitoring and identification notification

Smart store

Smart School

Temperature measurement

34.7°C
16:16 16:16 16:16 16:16
35.0° 36.7° 37.1° 35.3°
TMP 34.7°C
INDOOR
DE 25.1
DA 44
溫度正常
口罩未戴
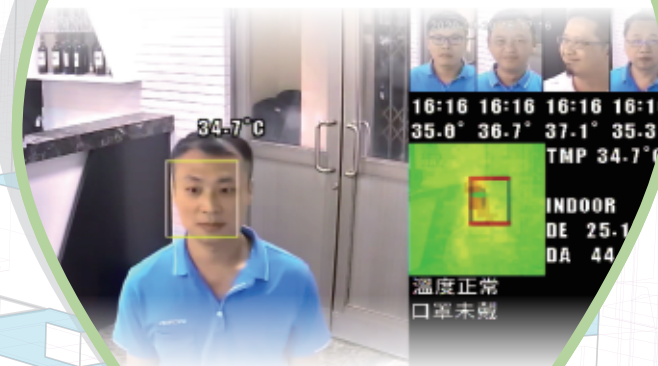
AI Intelligent temperature sensing HD camera.

Smart community

Smart enterprise

25   26