VACRON
ADVANCES IN SECURITY SOLUTIONS

THE VISIONARY PROTECTION EXPERT

CAMERA / DVR ACCESSORIES / MOBILE SURVEILLANCE

VACRON
ADVANCES IN SECURITY SOLUTIONS

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VACRON
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VVA CBE 05A

VEHICLE VIDEO RECORDER

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The vehicle video recorder, VVR, is a sophisticated device that is equipped with GPS tracking and G sensor shock detection. It records precisely on what happens on the road. The benefit of recording with a VVR is the powerful evidence may be used in traffic courts. The vehicle camera recorder can recover the accident scene and find out the causes of the accident for the insurance purpose.

VVG CB N11

VEHICLE VIDEO RECORDER

FORCE

VACRON

ALL IN ONE VEHICLE VIDEO RECORDER

CAMERA / DVR ACCESSORIES / MOBILE SURVEILLANCE

VVR

VVA-CBN01 / CBN02

SPECIFICATIONS

- Ambarella H.264 image compression chip
- Full HD 5M CMOS Sensor
- F1.6 Aperture. View Angle Approx. 120 degrees
- **RECORDING FRAME :**

FULL HD	HD
1080P	720P
(1920x1080)	(1280x720)
30fps	30fps

- LCD 3 inch 16:9 monitor
- Voltage: Start at 5V±5% ; 650mA (5V/1A Power Adaptor)
- Operating Temperature: -15°C~ +65°C
- SD card Class 10 or above recommend. MAX to 32GB
- Motion detection recording function during car stopping (External power source is needed)
- GPS and Image data are recorded and playable on client software.(CBN01)
- Lane Departure Warning System, to warn the driver with the beeper during driving off-lane (CBN01)
- Speeding Warning Function (CBN01)

PLAYER

VVR

VVH-CBN03 / CBN03G

SPECIFICATIONS

- Forward Lens: SXGA CMOS Sensor 720p HD,
  View Angle Approx. 100 degrees
- CH2 (Extra) : 3.5mm 4 pin Phone JACK
  vehicle Camera (1 Vp-p Composite Video Output)
- RECORDING FRAME :

Forward	Extra
HD 720P	–
(1280x720)	(720x480)
30fps	15fps

- LCD 3 inch 16:9 monitor
- Voltage: Start at 5V±5% : 1200mA (5V/2A Power Adaptor)
- Operating Temperature: -10℃~ +50℃
- SD card Class 10 or above recommend. MAX to 32GB
- Support password protection, driver/vehicle information
- Extra CH2 camera record rear or inner statue of vehicle
- Built-in G-sensor triggered the accident recording
  function, video files reserved to keep off overwritten
- Complete recording video, audio with date, time, and
  speed information
- Optional GPS equipment will provide coordinate
  and route data

PLAYER

VVR

VVG-CBN11

SPECIFICATIONS

- H.264 image compression chip
- Megapixel CMOS Sensor
- View Angle Approx. 105 degrees
- RECORDING FRAME :

FULL HD
30fps / 25fps

- 2.5 inch Hi-Res. monitor
- Voltage. Start at 5V±5%
- Operating Temperature: -10℃~ +60℃
- SD card Class 10 or above recommend. MAX to 32GB
- Recording Content: Date, Time, Image, Sound,
  G-Sensor data
- Built-in High Sensitivity Microphone.
- Built in Internal 3D G-Sensor

PLAYER

VVR

VVA-CBE05A / CBE02A

SPECIFICATIONS

- Amberella H.264 Compression Chip
- Full HD 5M CMOS Sensor
- View Angle Approx. 105 degrees
- RECORDING FRAME :

FULL HD	HD
1080P	720P
(1920x1080)	(1280x720)
30fps	30fps

- 3" Hi-Res. TFT Flip Monitor for Live or Playback
- SD Card Storage (Class10 or above Recommended)
- Built in G-Sensor, GPS(CBE05A)
  Compatible with Google Map
- Mini USB plug DC5V +/-5%, at least 650mA
- Operating Temp: -10 ~ +70℃
- Motion detection recording function during car stopping
  (External power source is needed)
- GPS and Image data are recorded and playable on
  client software. (CBE05A)
- Lane Departure Warning System, to warn the driver with
  the beeper during driving off-lane.(CBE05A)
- Speeding Warning Function. (CBE05A)

PLAYER

VVR

CDR-E05 / E02

SPECIFICATIONS

- Amberella H.264 Compression Chip
- Full HD 5M CMOS Sensor
- View Angle Approx. 105 degrees
- RECORDING FRAME :

FULL HD	HD
1080P	720P
(1920x1080)	(1280x720)
30fps	30fps

- 3" Hi-Res. TFT Flip Monitor for Live or Playback
- SD Card Storage (Class10 or above Recommended)
- Built in G-Sensor, GPS (E05)
  Compatible with Google Map
- Mini USB plug DC5V +/-5%, at least 650mA
- Operating Temp: -10 ~ +70℃
- Motion detection recording function during car stopping
  (External power source is needed)
- GPS and Image data are recorded and playable on
  client software. (E05)
- Lane Departure Warning System, to warn the driver with
  the beeper during driving off-lane. (E05)
- Speeding Warning Function. (E05)

PLAYER

VVR

TAIWAN EXCELLENCE 2011

CDR-E07

SPECIFICATIONS

- H.264 Compression Chip
- All-in-One with 2 Lens (Forward/Backward)
  Forward/Backward: 720p/VGA or VGA/VGA (optional)
- **VIEW ANGLE :** Front 120 degree, Inner 170 degree
- **RECORD FRAME RATE :**

FRONT	INNER
30fps	15fps

- 4pcs IR LED for inner camera (Auto on/off)
- Statue Display by LED Indicator, Intuitive Operation
- Friendly Player, Support Additional Car information Input
- With Hi-Sensitive, Noise Reduction Mic.
- Micro SD Card Storage (Class10 or above Recommended)
- **RECORD MODE :**
  Auto/Recycle/Event(File Reserved) Record
- Anti-File Crash Technology keeps every
  frame during journey
- Built in G-Sensor, GPS Compatible with Google Map
- Built-in Real Time Clock(RTC), GPS Auto Time Calibration
- Mini USB plug DC5V +/-5%,1A
- **OPERATING TEMP :** -15 ~ +55℃

PLAYER

VVR

CDR-E22 / E23

SPECIFICATIONS

- Amberella H.264 Compression Chip
- Full HD 5M CMOS Sensor
- View Angle Approx. 105 degree
- **RECORD FRAME RATE :**

FULL HD	HD
1080P	720P
(1920x1080)	(1280x720)
30fps	30fps

- Built-in 3 " Hi-Res. TFT Monitor for Live or Playback
- With Hi-Sensitive, Noise Reduction Mic.
- SD Card Storage (Class10 or above Recommended)
- **RECORD MODE :**
  Auto/Recycle/Event(File Reserved) Record
- Anti-File Crash Technology keeps every
  frame during journey
- Built in G-Sensor, GPS(E22) Compatible with Google Map
- Built-in Real Time Clock(RTC), GPS Auto Time Calibration
- Mini USB plug DC5V +/-5%, at least 650mA
- **OPERATING TEMP :** -15 ~ +70℃

PLAYER

VVR

VVA-CBE27 / CBE25

SPECIFICATIONS

- Amberella H.264 Compression Chip
- Mega Pixels Hi-Sensitive CMOS Sensor
- View Angle Approx. 105 degree
- **RECORD FRAME RATE :**

FULL HD (E27)	HD (E25)
1080P	720P
(1920x1080)	(1280x720)
30fps	30fps

- With Hi-Sensitive, Noise Reduction Mic.
- Micro SD Card Storage (Class10 or above Recommended)
- **RECORD MODE :**
  Auto/Recycle/Event(File Reserved) Record
- Anti-File Crash Technology keeps every frame during journey
- Built in G-Sensor, GPS(Optional)
  Compatible with Google Map
- Support TV out easy to integrate to Car
  Entertainment Console
- Mini USB plug DC5V +/-5%, at least 600mA
- **OPERATING TEMP :** -10 ~ +70℃

PLAYER

VVR

CDR-E26

SPECIFICATIONS

- H.264 Real Time Compression Chip
- VGA CMOS Sensor
- 2.9mm lens, apx. 120 degrees viewing angle
- **RECORD FRAME RATE :**

NTSC	PAL
30fps	25fps

- Support TV out easy to integrate to Car
  Entertainment Console
- Memory Card must be formatted before use by
  Special Player
- With Hi-Sensitive, Noise Reduction Mic.
- Micro SD Card Storage (Class 6 or above Recommended)
- **RECORD MODE :**
  Auto/Recycle/Event(File Reserved) Record
- Anti-File Crash Technology keeps every frame during journey
- Date/Time can be shown on the display.
- Quick search on ALL event log.
- Mini USB plug DC5V +/-5%, at least 400mA
- Operating Temp. -10~+70℃

PLAYER

VVH MD 80D

MOBILE DIGITAL VIDEO RECORDER

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Mobile DVR is used widely in mobile security and surveillance object for traffic safety. H.264 compression Technology, Enhanced Shock proof and Fanless design which ensure uninterrupted Recording footage. G-Sensor and GPS Logger are as standard, via built-in 3G Module, live tracking/Monitoring are realized in new fleet management system. Definitely, VacronViewer is ready for 3G mobile DVR.

VVH MD E09

MOBILE DIGITAL VIDEO RECORDER

MOBILE DIGITAL VIDEO RECORDER

CAMERA / DVR ACCESSORIES / MOBILE SURVEILLANCE

DVR

VVH-MD657 (4CH)

SPECIFICATIONS

- H.264 Real Time Compression Chip
- Support 1ch Video in with Vehicle Camera AVM-360PV, 1ch Audio in with Mic.
- **RECORDING FRAME / RESOLUTION**

Resolution	NTSC/PAL
D1	60/50fps

- **DISPLAY MODE:** 360° Screen
- **STORAGE DEVICE:** Class 10 SD Card (at least 4Gb)
- **MENU:** Multi-Language GUI
- IR Remote Controller (with Extension IR Receiver)
- Built in G-Sensor, External GPS (optional) Compatible with Google Map.
- **VOLTAGE:** DC8V~32V
- Motion detection recording function during car stopping (External power source is needed)
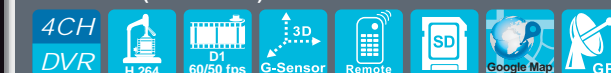- **DIMENSION:** 115mm x 90mm x 30mm (W x D x H)

AVM-360PV (Vehicle Cam)

SPECIFICATIONS

- 1/4" CMOS Image Sensor x 4PCS
- **VOLTAGE:** DC12V
- **VIEWING ANGLE:** H : 360° V : 70°
- 4PCS IR LED; **IR RANGE:** 1M
- **Operating Temperature:** - 10°C ~ +60°C

VVH-MD657 (Vehicle DVR)

AVM-360PV (Vehicle Cam)

DVR

VVH-MDE09 (2CH)

SPECIFICATIONS
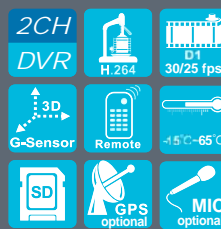
- H.264 Real Time Compression Chip
- Built-in 3" Hi-Res. TFT Monitor
- Support 2CH Video input
- RECORD FRAME RATE

Resolution	NTSC/PAL
D1	30/25fps

- **Voltage:** DC12V / 250mA
- **Operation Temp:** -15°C~+65°C
- **Storage Device:** Class 10 SDHC Card (at least 4Gb)
- **Record Mode:** Auto Record after Power on
- **Record Content:** Date / Time / Video / Voice / G-Sensor / GPS Logger (Optional)
- **File Format:** Specific format for software player
- **Microphone:** External MIC (W/O Waterproof)
- **Time Setup:** Auto-calibrating by GPS signals. If GPS is not available, the built-in clock will be used
- Internal 3D G-Sensor
- **Casing material:** Aluminum alloy. Solid aluminum alloy casing with waterproof ability.
- **Weight:** DVR About 185g
- **Dimension:** 104.9mm x 64.5mm x 26mm (W x D x H)
- No built-in lithium battery design. Low power consumption and excellent heat dissipation. Ideal for high temperature environment and worry-free from battery explosion.
- Automatic startup recording when power on and continuous recording until power is off.

PLAYER

DVR

### VVH-MD40D/80D (4/8CH)

SPECIFICATIONS

- H.264 Real Time Compression Chip
- Support 4/8CH Video, 1ch Audio
- Harness Connector for power and video
- **RECORDING FRAME / RESOLUTION**

Resolution	NTSC/PAL
D1	60/50fps
CIF	4CH:120/100fps / 8CH:240/200fps

- IR Remote Controller (with Extension IR Receiver)
- Built in G-Sensor, GPS (optional) Compatible with Google MAP
- Intelligent 3G Network Streaming Control Technology (3G Model)
- Optional for MINI PCI 3G Network Card
- Operation System: Embedded Linux System
- DISPLAY MODE: Quad, Single CH Display, Event Pop-up
- OSD MENU: Multi-Language OSD
- STORAGE: Removable 2.5" HDD Caddy
- BACKUP SYSTEM: PC Viewer
- POWER SUPPLY: Wide Voltage Input
- Dimension: 250mm x 174.8mm x 69.5mm
- WEIGHT: 1.85kg (with Bracket, HDD)
- OPERATING TEMP.: -20°C ~ +65°C

PLAYER
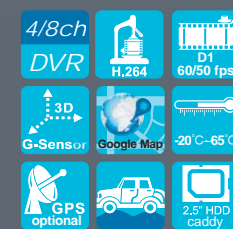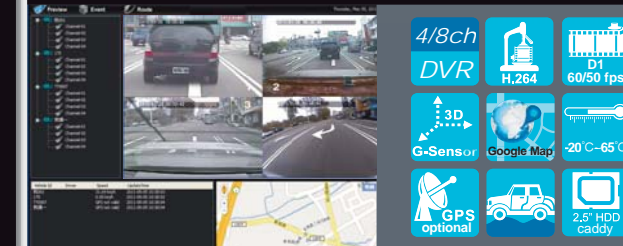
DVR

CDR-E06 [1CH]

SPECIFICATIONS

- **VIDEO COMPRESSION FORMAT** : MPEG4
  AUDIO COMPRESSION FORMAT : PCM
- Clear Vivid Images Even In High Speed Driving (120km/hr).
- D1 Real Time Recording (D1 : 720X240 30fps)
- **GPS / G-SENSOR / Google Map**
- Synchronous Audio Recording. Bundled With High Sensitive Microphone For External Use.
- Software Player Have Been Installed Into CF-card. No Need For Further Installation. Plug & Play In Pc Mode.
- **COMPLETE EVENT LISTS** : Faster Search For Recorded Files.
- Wide Tolerance Range For Voltage Input. Better Stability.
- **PLUG & PLAY** : Start Recording Automatically Without Further Operation.
- **SPECIAL FILE FORMAT** : Keep The Data Safe And From Being Lost.
- **CF CARD (RECOMMENDATION** : Speed 233x or above Up to 32GB
- **RECORD** : 720 x240 (NTSC) / 720 x288 (PAL)
- **PLAY** : 720 x 480 (NTSC) / 720 x 576 (PAL)
- **RECORDING FRAME** : D1-30fps (NTSC) / D1-25fps (PAL)
- **RECORDING CONTENT** : Date / Time / Image
- **VOLTAGE RANGE** : 11V~14.5V Power Consumption 15V @400mA (Without Camera)
- **OPERATING TEMP.** : -20℃~+65℃ (Inside the car)
- **DIMENSION** : 115mm (W) x 102mm (D) x 30mm (H)
- **WEIGHT** : 0.27kg

PLAYER

DVR

CDR-E10/3GA[4CH]

SPECIFICATIONS

- H.264 Real Time Compression Chip
- Support 4 Video, 1Audio and 4 Alarm Input
- Harness Connector for Power and Video
- **RECORD FRAME RATE**

Resolution	NTSC/PAL
D1	60/50fps
CIF	120/100fps

- IR Remote Controller (With Extension IR Receiver)
- Built in G-Sensor, GPS(Optional) Compatible with Google Map
- Intelligent 3G Network Streaming Control Technology (3G Model)
- Optional for MINI PCI 3G Network Card
- **OPERTAION SYSTEM** : Embedded Linux System
- **DISPLAY MODE** : Quad, Single CH Display, Event Pop-up
- **OSD MENU** : Multi-Language OSD(W/O 3G)
- **STORAGE** : SD CARD Max. 64Gb
- **BACKUP SYSTEM** : PC Viewer
- **POWER SUPPLY** : DC12V
- **DIMENSION** : 115mmx132.7mmx30mm
- **WEIGHT** : 0.4kgs
- **OPERATING TEMP.** : -20℃ ~ +65℃

PLAYER

DVR

SA-650CF/3GA [4CH]

SPECIFICATIONS

- H.264 Real Time Compression Chip
- Support 4 Video, 1Audio and 4 Alarm Input
- Harness Connector for Power and Video
- **RECORDING FRAME RATE**

Resolution	NTSC/PAL
D1	60/50fps
CIF	120/100fps

- IR Remote Controller (With Extension IR Receiver)
- Built in G-Sensor, GPS(Optional) Compatible with Google Map
- Intelligent 3G Network Streaming Control Technology (3G Model)
- Optional for MINI PCI 3G Network Card
- **OPERTAION SYSTEM** : Embedded Linux System
- **DISPLAY MODE** : Quad, Single CH Display, Event Pop-up
- **OSD MENU** : Multi-Language OSD(W/O 3G)
- **STORAGE** : CF CARD
- **BACKUP SYSTEM** : PC Viewer
- **POWER SUPPLY** : Wide Voltage Input.
- **DIMENSION** : 214mm x 160mm x 58mm (W x D x H)
- **WEIGHT** : 0.92kgs
- **OPERATING TEMP.** : -20℃ ~ +65℃

PLAYER

DVR

SA-650HD/3GA[4CH]

SPECIFICATIONS

- H.264 Real Time Compression Chip
- Support 4 Video, 1Audio and 4 Alarm Input
- Harness Connector for Power and Video
- **RECORDING FRAME/RESOLUTION**

Resolution	NTSC/PAL
D1	60/50fps
CIF	120/100fps

- IR Remote Controller (With Extension IR Receiver)
- Built in G-Sensor, GPS(Optional) Compatible with Google Map
- Intelligent 3G Network Streaming Control Technology (3G Model)
- Optional for MINI PCI 3G Network Card
- **OPERTAION SYSTEM** : Embedded Linux System
- **DISPLAY MODE** : Quad, Single CH Display, Event Pop-up
- **OSD MENU** : Multi-Language OSD(650HD Model Only)
- **STORAGE** : Removable 2.5"HDD Caddy
- **BACKUP SYSTEM** : PC Viewer
- **POWER SUPPLY** : Wide Voltage Input.
- **DIMENSION** : 210mmx180mmx58mm
- **WEIGHT** : 3kgs (With Bracket, W/O HDD)
- **OPERATING TEMP.** : -20℃ ~ +65℃

PLAYER

VEHICLE VIEW CAMERAS
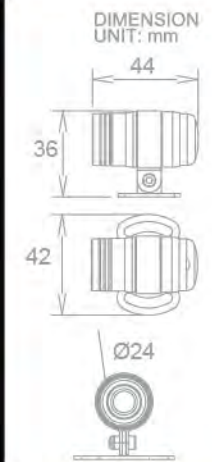
CAMERA / DVR ACCESSORIES / MOBILE SURVEILLANCE

CAMERA

AVM-737A/AVM-737A-BV

SPECIFICATIONS

1/4" CCD | LENS 4.0mm | 0.12 LUX | 420TVL | DC 5.5~14.5V | 66°

IP 66 | MIRROR
AVM-737A-BV

PROVIDES TWO KIND OF SYSTEM NTSC / PAL .

VIEWING ANGLE : H:66° V:52° 420 TV Lines, 0.12 LUX.	LENS : 4.0mm

DIMENSION UNIT: mm
44
36
42
Ø24

CAMERA

AVM-730-BV

SPECIFICATIONS

1/4" CCD | LENS 1.92mm | 0.12 LUX | 420TVL | DC 5.5~14.5V | 110°

Recessed Camera | MIRROR | IP 66

PROVIDES TWO KIND OF SYSTEM NTSC / PAL .

VIEWING ANGLE : H:110° V:80° D:136° 420 TV Lines, 0.12 LUX.	LENS : 1.92mm

DIMENSION UNIT: mm
31
37.8
Ø28
Ø25mm

CAMERA

AVM-737/AVM-737-BV

SPECIFICATIONS

1/4" CCD | LENS 1.7mm | 0.12 LUX | 420TVL | DC 5.5~14.5V | 125°

IP 66 | MIRROR
AVM-737-BV

PROVIDES TWO KIND OF SYSTEM NTSC / PAL .

VIEWING ANGLE : H:125° V:103° D:170° 420 TV Lines, 0.12 LUX.	LENS : 1.7mm

42 | 38
36
Ø24
VEDIO OUT (White) | +12V (Red)
GND (Black)

VEHICLE VIEW CAMERAS

CAMERA / DVR ACCESSORIES / MOBILE SURVEILLANCE

CAMERA

AVM-950H/750/350/(BV)

SPECIFICATIONS

AVM-950H — 1/3"CCD | LENS 4 mm | 0.0 Lux | 520TVL | DC 12V | MIRROR (BV)

AVM-750 — 1/3"CCD | LENS 4 mm | 0.01 | 420TVL | DC 12V | MIRROR (BV)

AVM-350 — CMOS | LENS 4 mm | 420TVL | DC 12V | MIRROR (BV)

PROVIDES TWO KIND OF SYSTEM NTSC / PAL .

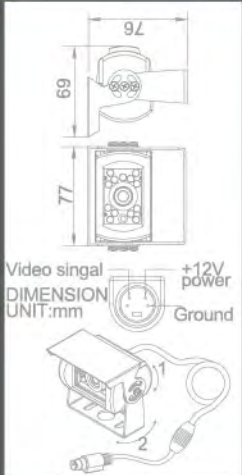| VIEWING ANGLE : H:66° V:52° | LENS : 4mm |

DIMENSION UNIT:mm
29 / 32 / 52 / 54.8 / 59 / 30°

DC12V (Red) — VIDEO OUT (White) — GND (Black)

L TYPE
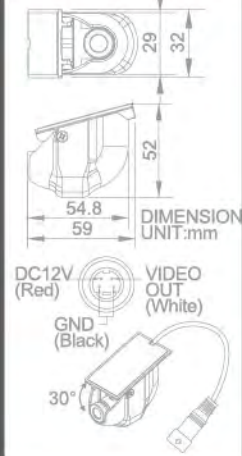
CAMERA

AVM-930-BV

SPECIFICATIONS

1/3" CCD | LENS 2.9mm | 0 Lux | 420TVL | 96° | 13 LEDs | 10 M | DC 12 V | MIRROR | IP 66

MIRRORING, CLEAR IMAGE FOR BACK-DRAFT

| 13 PCS LEDS , Good Night Time Image, IR Distance 10M | LENS : 2.9mm |

76 / 69 / 77
DIMENSION UNIT:mm

Video singal — +12V power — Ground

CAMERA

AVM-951H/751/351

SPECIFICATIONS

AVM-951H — 1/3"CCD | LENS 4 mm | 520TVL | 6 LEDs | 3 M | DC 12V

AVM-751 — 1/3"CCD | LENS 4 mm | 420TVL | 6 LEDs | 3 M | DC 12V

AVM-351 — CMOS | LENS 4 mm | 420TVL | 6 LEDs | 3 M | DC 12V

PROVIDES TWO KIND OF SYSTEM NTSC / PAL .

| 6 PCS LEDS , Good Night Time Image, IR Distance 3M | LENS : 4mm |

28.6 / 44 / 80 / 53 / 42.5 / 48.5

+12V (Red) — VEDIO OUT (White) — GND (Black) — VIDEO OUT

18
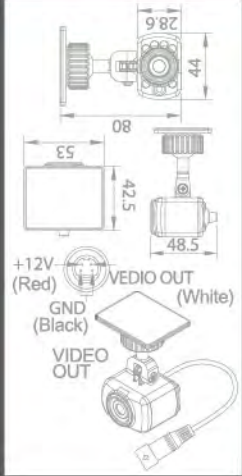
VEHICLE TRACKING MANAGEMENT SYSTEM

4 CH Vehicle Recording System / 3G Application Management System

Integrated GPS, GSM, GIS technology into Vehicle tracking management system. Through internet transmitted technology, It's easy to track vehicle and coordinate the fleet. Mobile DVR received GPS data, then transmitted it to server database through 3G network, customers can retrieve the vehicle position and route through GIS platform. Combine the vehicle tracking system and the video file, the coordinator can double check between vehicle driving route and driving video. It will reduce manpower cost and increase management efficiency.

Satellite
Vehicle Positioning / Transmission

Fleet Management

Radio Communication

Internet

Internet

Vehicle
GPS
Video
Alarm

Client
Database

Client
Supervisor / Administrator / Customer
Multiple users account can connect to Server simultaneously through 3G client for VacronViewer.

PC / 3G Mobile Phone

AVM-951H

AVM-737A

AVM-737

4CH DVR
SA-650CF-3GA

AVM-950H-BV

Transport Applications

TAXI	VAN	TRUCK	TANK TRUCK
POLICE CAR	BUS	AMBULANCE	CRUISE SHIP