PORTABLE ENFORCEMENT SOLUTION

Law Enforcement	Frontline Patrolling	Event Monitoring
Construction Zones	**PORTABLE ENFORCEMENT SOLUTION APPLICATION SCENARIOS**	Forensic Footage
Abuse of Force	Field Worker Protection	Private Security

PORTABLE ENFORCEMENT SOLUTION ARCHITECTURE

Centre Management

Client — Servers — Controller/Decoder — TV Wall

Internet

Dock Station

Portable Enforcement System

iVMS-4500 APP — Portable PTZ Dome

On-board Enforcement System

Body Worn Camera Recording System
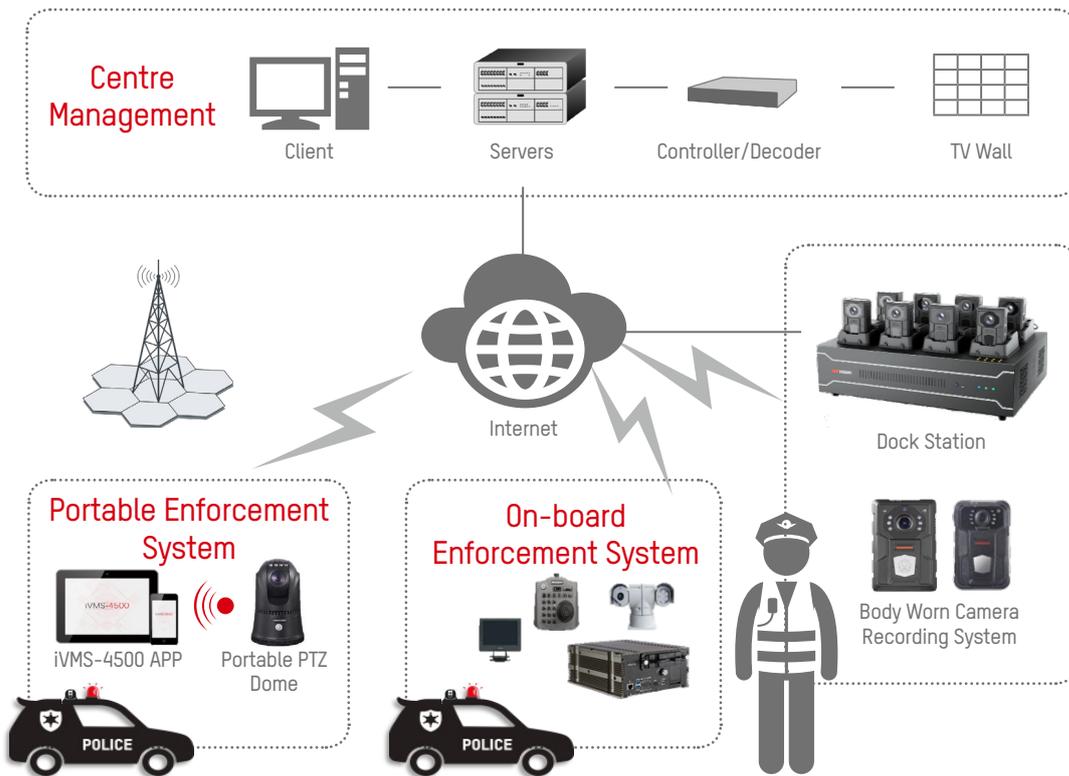
PORTABLE ENFORCEMENT SOLUTION

| All-in-one Surveillance Station | Instant HD Video | Robust On-board Recording |

ON-BOARD ENFORCEMENT SOLUTION

1 GPS application supports management

The on-board enforcement system adopts all-in-one design, using a GPS modual. Pictures management with features such as track record, position and speeding records. What's more, this delivers important positioning information which enables controllers dispatch back-up for officers in emergencies.

iVMS-5200-M customised
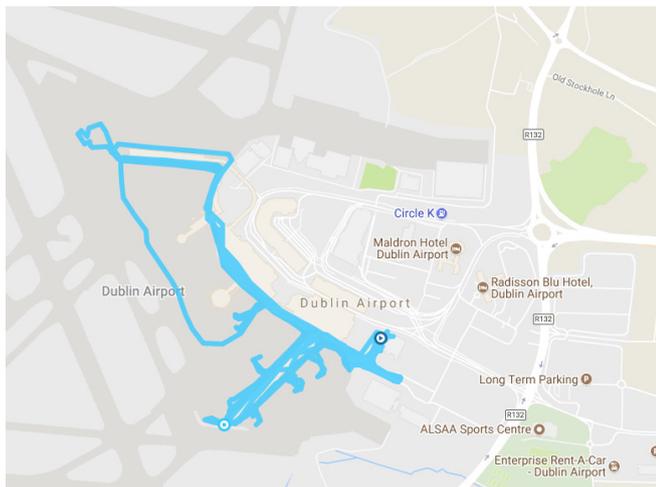
GPS Track Records
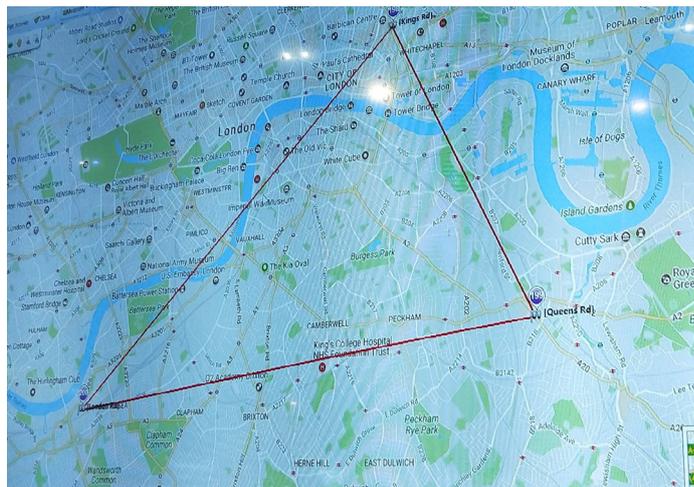
GPS Positioning

2 Zoom control monitoring and Capture Vehicle Manually

Turns enforcement vehicles into temporary mobile monitoring stations. At the same time, users can get a "snapshot" for law enforcement application, which includes vital metadata such as date, time, GPS location, number plates and illegal actions to provide evidence.

iVMS-5200-M customised

Hard shoulder driving

Illegal parking

3 ▶ Products

iDS-TCC225-I/30/T
Network HD IR Positioning System

- 1/2.8" progressive scan CMOS
- Up to 1920 × 1080 resolution
- 30X optical zoom. Focal length: 4.3 to 129 mm
- Minimum illumination: Colour: 0.02 Lux @ F1.6 ;
  B/W: 0.002 Lux @ F1.6
- Vehicle capture for city street and highway
- 3D DNR
- ICR day & night switch
- PTZ Camera
- H.264 and H.265 encoding formats

DS-MI9605-GA
DS-MI9605-GA/GW
DS-MI9605-GA/GLF
Mobile Enforcement System

- 1-ch 1080p network speed dome
- 4-ch network camera video & audio input
- H.265 video compression for main stream and sub-stream
- 1-ch VGA video output with resolution of 1024 × 600
- Dummy HDD supporting two 2.5-inch HDDs/SSDs
- Alarm I/O: 8/2
- Built-in 4G &GPS & WIFI module

DS-MP1010K
Joystick Control Panel

- Shortcut keys
- Function buttons
- Control lock
- Zoom Control
- Console PTZ control
- Capture video clip and pictures
- Light turn on/ turn off
- IR cut filter with manual switch

DS-MP1308
LED Monitor

- Shortcut keys
- Function buttons
- Control lock
- Zoom Control
- Console PTZ control
- Capture video clip and pictures
- Light turn on/ turn off
- IR cut filter with manual switch

PORTABLE ENFORCEMENT SOLUTION

When permanent surveillance installations are not possible, mobile enforcement solutions fill the gap. On roads, at public squares, in rural areas-wherever you need surveillance equipment to go, Hikvision's products can support you.

1 ▶ All-in-one design

An all-in-one design to help easy installation and configuration. It combines an ANPR/LPR camera, IR illumination, GPS module, 4.5-135mm Lens, Zoom optical, 3G/4G module, PTZ, Dual SD card storage module, WiFi AP Module, Bluetooth 4.0, Telescopic handle, Replaceable battery power supply module, Switch button, Peripheral interfaces in one unit.

2 ▶ Fast & easy mounting

A tripod aids portable Installation and magnetic mounting easily attaches the solution. There's also a carrying handle.

Tripod for Portable Installation ▶	Fast Magnetic Mounting ▶	Fixed Installation

3 ▶ Water-proof & dust-proof protection level

Maximum resilience as standard, giving Industrial-grade protection against vandalism. Also withstands all weather conditions, with IP66 rating.

4 ▶ Real-time clarity in bad weather

Auto-adjusting for different weather conditions gives clear images, even in heavy rain and fog.

5 ▶ Easy connection for remote live view and PTZ control

Both on-board app operating and iVMS remote operating are available. These allow to live view or ANPR observation via Internet, cloud storage.

6 ▶ Deepin**View** ANPR algorithm

Maximum coverage ANPR of 2 lanes. The ANPR algorithm, which is uniquely developed for more than 93 countries, is built into the PTZ dome camera, instead of at the server. High recognition accuracy of ≥98.5%, capture accuracy of ≥99.5% and recognition in less than 150 milliseconds.
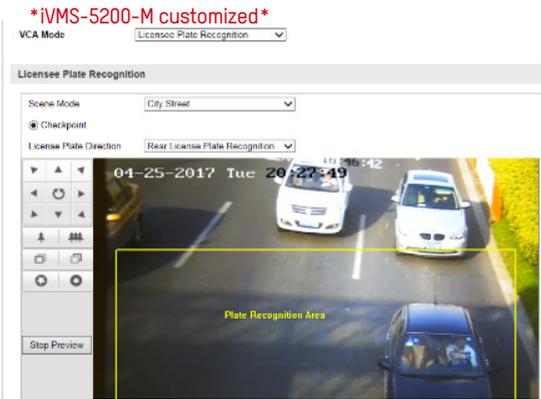
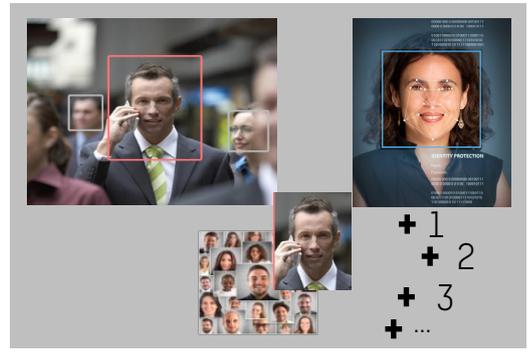ANPR region configuration

ANPR & GPS position & battery capacity overlay appear

7 ▶ Face Detection and Capture

Face capture feature is also available, face detection supporting of up to 30 targets concurrently.

8 ▶ Remote Live View and GPS Positioning

Both video footage and GPS position is displayed in real time and as a track display on the map.

9 ▶ Alarm location

It provides a function to control a vehicle by ANPR. The vehicle blacklist built in camera and alarm data can be managed by the platform, and the platform supports to send the data to the handheld terminal in timing or manual operation. When the vehicle appears, the system will immediately alert traffic police.

iVMS-5200-M customized

Products

DS-MH6171I
DS-MH6171I/NIR
Portable PTZ Dome

- Deep Learning ANPR
- NIR: 940nm IR LEDs
- 4G FDD-LTE/ 3G(WCDMA)
- H.264/H.265
- 2MP/1080p
- 30x optical zoom,16x digital zoom
- GPS
- Up to 6 hour operating time
- 60m IR
- IP66

DS-MH6171I-A
Portable PTZ Dome

- Deep Learning Face Capture / Deep Learning ANPR
- 4G FDD-LTE/ 3G(WCDMA)
- H.264/H.265
- 2MP/1080p
- 30x optical zoom,16x digital zoom
- GPS
- Up to 6 hour operating time
- 60m IR
- IP66

DS-MH6171I-AS
DS-MH6171I-S
Portable PTZ Dome Kit

- Include: DS-MH6171I-A(inside battery) + spare battery + power adaptor
- Case size: 460*330*190mm

DS-MH1490
Portable PTZ dome battery charger

- Power supply DC: 12V
- Charging current: 3A
- Charging time: 6h
- Working temperature: 0~45,
- Working humidity: 0~90%

Battery for DS-MH6171I
Battery for DS-MH6171I

- Battery Capacity: 13400mAh/96WH
- Nominal Voltage: 7.2V
- Maximum Charging Voltage : 8.4V
- Discharging End Voltage : 6V
- Fast Charging Current : 6500mA
- Maximum Discharging Current :7500mA
- Peak power : 54W
- Charging End Current:250mA

DS-MH1691-H
Tripod

- Maximum height: 1770mm
- Unfold axle vertical height: 1500mm
- Minimum height: 395mm
- Tripod fold length: 525mm
- Weight: 2.01kg
- Maximum load: 30kg
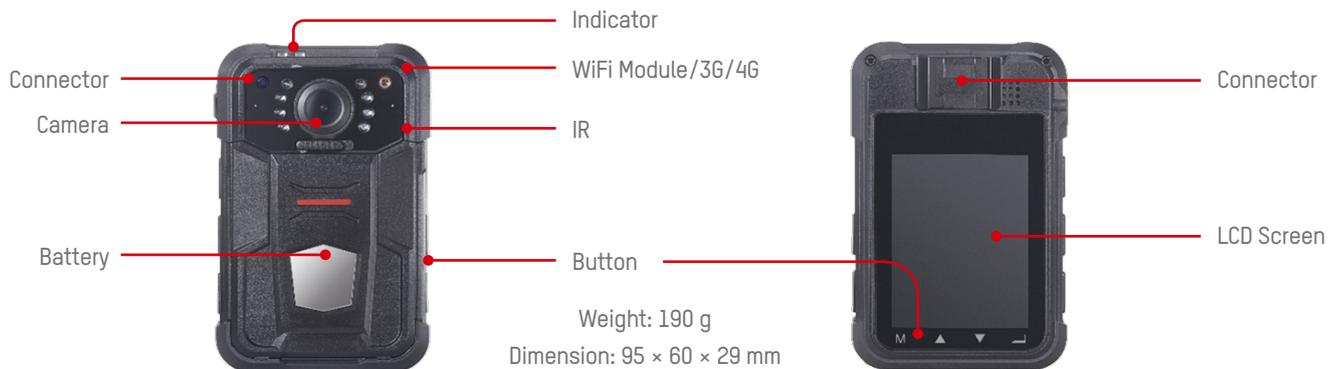- Material Aluminum alloy
- Bracket Dimension: 154mm

BODY WORN CAMERA

A Body Worn Camera captures video, audio and pictures on the move. It records video at resolution up to 1080p at 25 or 30 frames per second. All recordings capture vital metadata such as date, time, GPS location, device number and user details to provide evidence.

1 ▸ All-in-one design

It combines high-definition video recording camera, TFT LCD, battery, GPS all in a lightweight product.

Indicator
Connector
WiFi Module/3G/4G
Camera
IR
Battery
Button
Connector
LCD Screen

Weight: 190 g
Dimension: 95 × 60 × 29 mm

2 ▸ Industrial level design

Rugged, wearable body cameras record activities of citizens and civil authorities as they happen. Their advanced technology, portability, and ease-of-use make them extremely effective companions for law enforcement. Equipped with IP67 and removable battery to make it able to withstand all extreme use cases and vandalism.
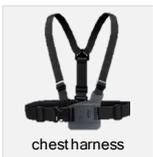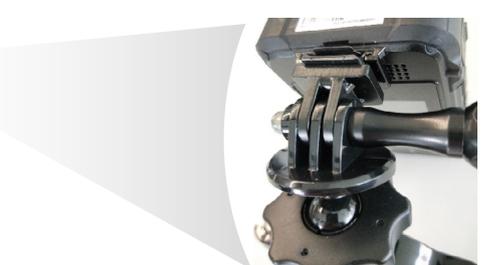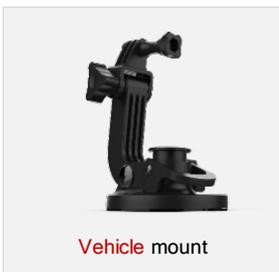

Waterproof design

Removable battery design

3 ▸ Harnesses for all users

A variety of accessories are available.

Plastic clip

Magnetic type

Metal clip

chest harness

shoulder harness

Wide, anti-slip and adjustable elastic straps with quick release buckle for recording video.
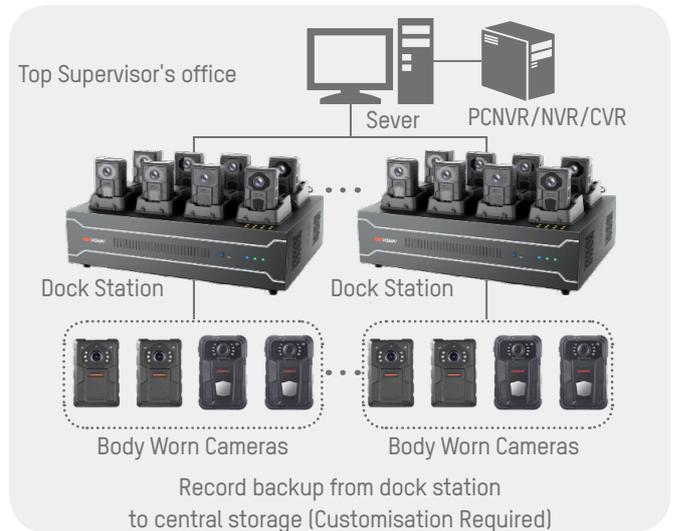

Vehicle mount

Motorcycle/Bicycle bracket

360° pivoting for recording multiple angles. Adjustable diameter mounting frame, 360° pivoting, and adjustable mount for recording video from your motorcycle or bicycle.
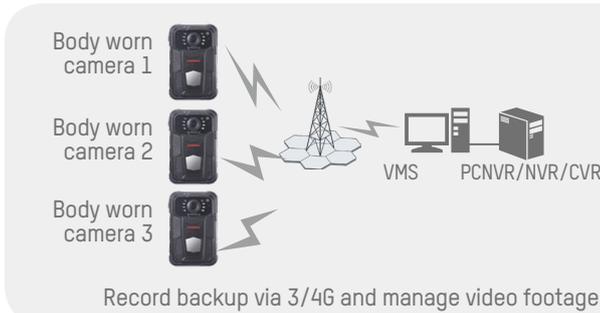
4 ▶ Video record backup

Inside

iVMS-5200-M customised

Supervisor's office

Monitor ... Monitor

Dock Station   Dock Station

Body Worn Cameras   Body Worn Cameras

Record backup via dock station

Top Supervisor's office

Sever   PCNVR/NVR/CVR

Dock Station   Dock Station

Body Worn Cameras   Body Worn Cameras

Record backup from dock station
to central storage (Customisation Required)

Outside

Body worn camera 1
Body worn camera 2
Body worn camera 3

VMS   PCNVR/NVR/CVR

Record backup via 3/4G and manage video footage

Body worn camera 1 WLAN
Body worn camera 2 WLAN
Body worn camera 3 WLAN

Display
iVMS-5200-M customized

WLAN   PCNVR/NVR/CVR

Record backup via WiFi

Docking stations charge Body Worn Cameras and download captured video data when docked via USB port. An external LCD screen provides a dashboard for device management, maintenance and secured data storage.

5 ▶ Officer position and alarm position

Built-in GPS module and one key alarm button aids personnel in locating an incident or event as well as persons of interest. The Body Worn Camera is also supports real-time voice communication with the security centre. After receiving an alarm, the security centre auto-positions the incident location through the GPS data and dispatches the nearest police team for support.

One key alarm button

GPS position testing in Hikvision Europe

GPS position in Google Map

6 ▶ Remote Live View and Two-way Audio

Body Worn Cameras support Wi-Fi, 3G and 4G network connections so that video data can be streamed in real time to the back-end security centre for live view and two-way audio.

Products

DS-MH2211/32G/GPS/WIFI

Body Worn Camera

- Wi-Fi / GPS
- H.265 (Customised) / H.264
- 1080p @ 30 fps, 720p @ 30 fps
- 5 MP image capture
- 1650 mAh removable battery
- Replace battery without shutdown
- 2-inch LCD screen / G-sensor / IR
- 4 hours recording
- IP65

DS-MH2311/32G
DS-MH2311/32G/GLE

Body Worn Camera

- H.264 and H.265 video encoding
- Up to 1080p @ 30 fps resolution
- Wide-range lens with 129° horizontal FOV
- Removable battery
- Built-in GPS module
- 3G/4G network transmission
- Wi-Fi 802.11b/g/n
- 2.4-inch TFT LCD
- Lightweight (190 g, without shoulder clip)
- Compact size (95 x 60 x 29 mm)
- IP67

DS-MH4172I

Body Camera Dock Station

- OS: Window 10 system
- External LCD screen for operation
- Docking Port: 8 units
- Storage: 2T–24T (Optional)
- Indicator: Power, data
- Interface: RJ45 / USB / HDMI / VGA / Audio
- 2x USB 3.0, 2x USB 2.0, 2x HDMI interfaces, Audio I/O, 1x VGA, 1x RS232, 1x RJ45
- Dimension: 400mm x 300mm x 110mm

DV-03

Battery for DS-MH2311

- 3300mAh
- 3.8V

DV

Battery for DS-MH2211

- 1650mAh
- 3.8V
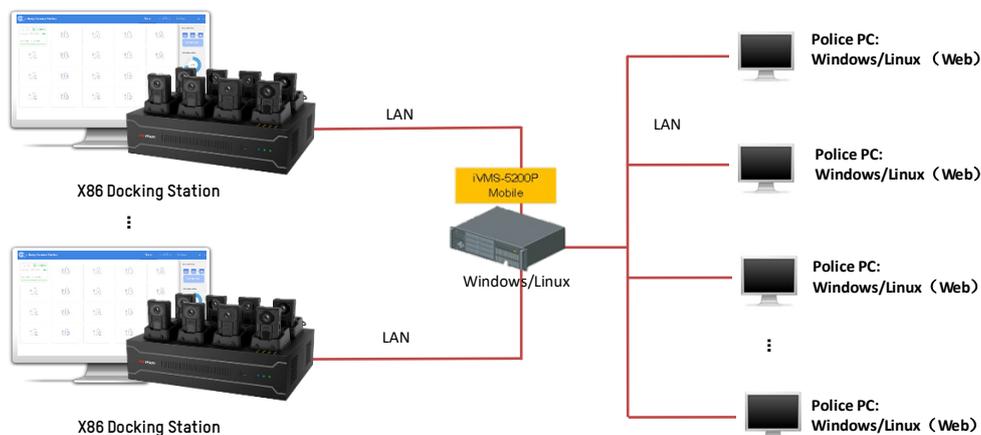
THE BODY WORN CAMERA PROJECT IN FRANCE

- **Purchaser:** The Ministry of the Interior
- **Body Worn Camera quantity:** ≥10000
- **Body Worn Camera Model:** DS-MH2211

Hikvision won the bid for a procurement project requesting tens of thousands of Body Worn Cameras from French Ministry of Interior. The Ministry unified procurement of these equipment to distribute to the National Police and Gendarmerie.

1 ▶ Product kits

2 ▶ System structure

X86 Docking Station

X86 Docking Station

LAN

LAN

iVMS-5200P Mobile
Windows/Linux

LAN

Police PC: Windows/Linux（Web）

Police PC: Windows/Linux（Web）

Police PC: Windows/Linux（Web）

Police PC: Windows/Linux（Web）

3 ▶ System Advantage

1. Body Worn Camera captures video, audio and pictures on the move.

It records video at resolution up to 1080p at 25 or 30 frames per second, with all recordings capturing vital metadata such as date, time, GPS location, device number and user details to ensure evidential usage.

2. Authority management permits 3 levels of users:
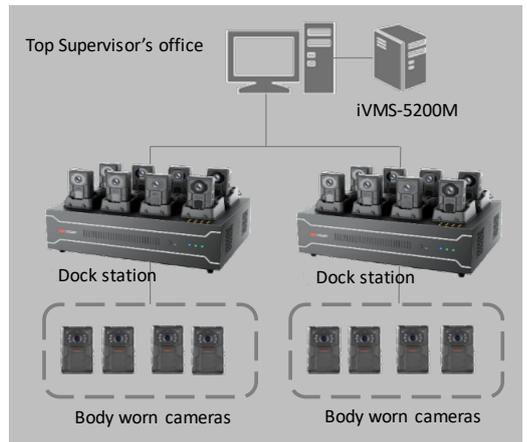
- Administrator: Full control
- Manager: It can download, export, and replay videos
- Simple user: He can only transfer videos (without authentication)

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- Administrator: Full control
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4. Hikvision Special Player: GPS map and metadata information displayed on the same screen.

PORTABLE ENFORCEMENT SOLUTION

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