Hytera

# VM580D

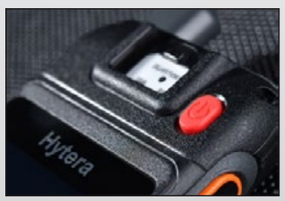
## Ultra-thin Smart Body Worn Camera

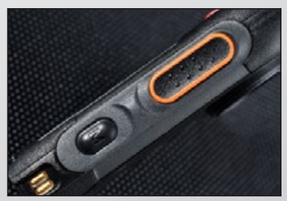
www.hytera-europe.com/uk

# Body Worn Camera is Critical for Law Enforcement Transparency

With the ever-increasing needs for transparency, the body-worn cameras have been widely used by law enforcement agencies. This usage may result in better accountability between the officers and civilians. By revealing events accurately, the body worn cameras poses a strong deterrent against misuse of force by officers and violent conduct by citizens.

Hytera VM580D body worn camera (BWC) can stream live video, upload high resolution photos and share real-time GPS location information over LTE, 3G, and WLAN networks. All of these can significantly improve collaboration and outcomes of both responders and dispatchers during emergencies. In addition, the VM580D also serves as a Push-To-Talk Over Cellular (PoC) radio. It allows you to make a voice call simply by pressing the Push-To-Talk (PTT) key.





## Hytera VM580D Highlights

### EASY TO USE

Hytera VM580D has a slim profile. Notably, it measures 20 mm in thickness and weights just 172g. You can easily hold it in your hand or clip it on your uniform.

### 1080P HD Video Recording

The VM580D captures full 1080p HD video at 30 fps. The video content quality is always smooth, sharp, and stable. All the important details will never be missed.

### Infrared Night Vision

With infrared technology, the VM580D captures a clear image in low light conditions. It has two infrared LEDs which automatically turn on in dim light to enhance night vision capabilities. This helps recognise a human face within 5 meters or an outline within 10 meters in dark.

### LTE Live Video Streaming

The VM580D streams live video to the control center over an LTE network. This helps the dispatcher know exactly what is happening to enhance situational awareness and facilitate decision-making.

### PoC Radio

The VM580D serves as a two-way radio with the Push-To-Talk Over Cellular (PoC) applications. Over LTE or WLAN network, this camera allows you to make a voice call simply by pressing the Push-To-Talk (PTT) key. The camera has a powerful 1-watt speaker to deliver loud and clear audio during the call, even in high noise environments.

### Unbreakable Data Security

Hytera embeds AES-256 encryption in the VM580D for unbreakable data security. All footage is encrypted and only accessible to authorised users. The video is automatically tagged with time stamp, device ID and user ID upon recording to make it tamper-proof. Also no one is allowed to directly delete the footage on the camera. All of these features ensure data integrity at all times.

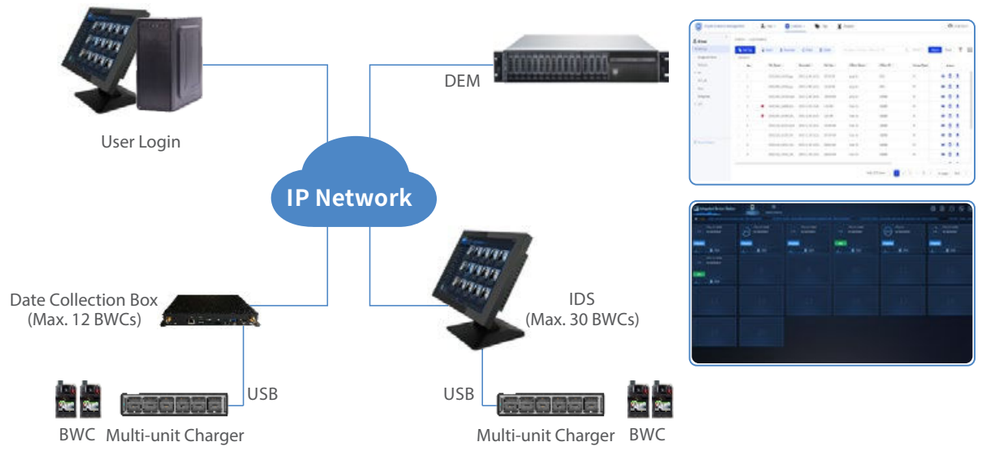
### Rugged and Durable

The VM580D is robust and tough against the rigor of your job site. This IP68 certified camera is fully dust-proof and water-resistant. Meeting the MIL-STD-810G standards, the VM580D withstands a drop of 2 meters.

### Long Battery Life

Equipped with a 3000 mAh battery, the VM580D supports more than 8 hours of continuous video shooting on a single charge. Thanks to the built-in backup battery, the VM580D can still keep recording for three to five minutes during battery replacement.

## DATA COLLECTION AND STORAGE SOLUTION



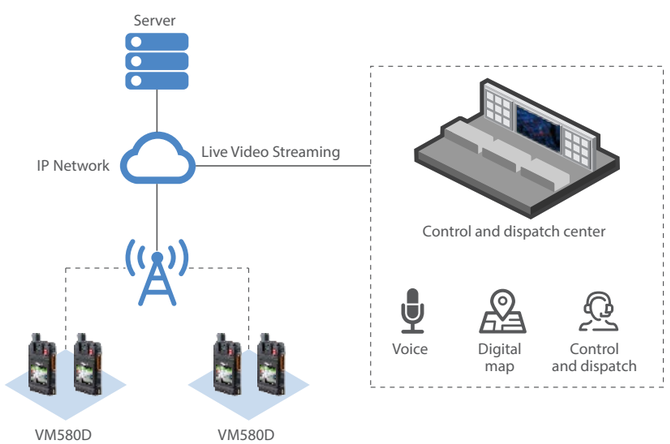

### Digital Evidence Management (DEM) Platform

- Local deployment or cloud-based deployment
- Mass storage
- Disaster recovery
- B/S architecture supporting easy access anywhere anytime
- Hierarchical organization to manage data access
- Rich evidence management including query, classification, tag and download
- Data security relying on SSL protocol
- APIs for further development

### Integrated Device Station (IDS)

- Local deployment mode to collect evidence from 30 cameras simultaneously
- Evidence query from Web in the LAN
- Automatic batch data collection from BWCs while being charged
- Automatic data cleaning in BWCs after data collection
- Authentication mechanism to prevent unauthorised access
- Role-based control for data security

## Push-To-Talk Over Cellular and Voice & Video Dispatch Solution




- Visualise dispatch relying on live video and real-time location from BWCs
- Make voice calls or send messages over broadband network
- Perform route plan and electronic fence

## APPLICATION SCENARIOS

## SPECIFICATIONS

| | |
|---|---|
| **Network** | |
| 2G/3G/LTE | GSM:850/950/1800/1900<br>WCDMA: B1/B3/B5/B8<br>LTE TDD: B38/B40/B41<br>LTE FDD: B1/B3/B5/B7/B8/B20/B26/B28 |
| **Size & Weight** | |
| Dimensions (H x W x D) | 94 x 63 x 20 mm |
| Weight | 172g (with battery and belt clip) |
| **Camera** | |
| Field of view | Diagonal: 121°, horizontal: 110°, vertical: 71° |
| Camera focus | 0.5 m to infinity |
| **Battery** | |
| Battery life (continuous video recording) | ≥ 8 hours (720p@30 fps) |
| Capacity | 3000 mAh |
| Charging time | ≤ 4 hours |
| **Screen** | |
| Size | 2.0 inches |
| Resolution | 320 x 240 QVGA |
| Type | TFT LCD colourful touch screen |
| **Recording** | |
| Storage capacity | 16 GB, 32 GB, 64 GB, and 128 GB available |
| Video resolution | 1080p@30 fps, 720p@30 fps, 480p@30 fps |
| Image resolution | 16 MP, 5 MP, 3 MP |

| | |
|---|---|
| **Positioning** | |
| GPS/BDS/GLONASS/AGPS | |
| **Connectivity** | |
| WLAN | 802.11 b/g/n |
| BT | BT 4.2 |
| USB type | Micro USB |
| **Audio** | |
| Speaker power | 1 W |
| Audio Format | AAC |
| **Environment** | |
| IP rating | IP68 |
| Drop resistance | 2 meters (with belt clip) |
| ESD protection | Contact: ±6 kV; air: ±12 kV |
| Operating temperature | -30°C to +60°C |
| Storage temperature | -40°C to +85°C |
| Certification | MIL-STD-810G, IP68, CE |
| **Night vision** | |
| Night vision range | Up to 10 meters |
| White light | Supported |

## ACCESSORIES

### Standard

Battery (3000 mAh)

USB cable

Belt clip

### Optional

Earpiece

Adapter (5V/2A)

Multi-unit charger

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