PRODUCT QUICK GUIDE

MOBILE ENFORCEMENT SYSTEM

January-June 2023

HIKVISION®

Mobile Enforcement System

Hikvision's mobile enforcement system mainly features body worn cameras, portable PTZ dome cameras, and barcode scanner PDA. The body worn cameras are tailored for law enforcement and security personnel for the rigors of duty, integrating photo, video, and audio recording, 3G / 4G wireless transmission, GPS positioning, and centralized management in a compact, handy and sturdy design. The body worn cameras make great assistants in the field with reliable performance on the go and convenient charging and data transmission via dock stations. The portable PTZ dome camera provides critical views on the street and around the city to secure the scene. Law enforcement personnel can choose ANPR mode to make temporary monitoring more intelligent. Based on powerful video technology, the barcode scanner PDA facilitates fast collection, analysis and identification of barcode information at high speeds. Then it realizes efficient scanning and accurate linking.

Strategic products have been adjusted here. Our main body worn camera model this year is the DS-MCW407 series. In order to adapt to more application scenarios, we introduced the new dual-lens portable PTZ dome camera and barcode scanner PDA. The former not only has mobile temporary monitoring, but also can record traffic information. Moreover, the latter has a powerful code scanning capability that is widely used in scenarios such as warehouses, express and logistics, and even in medical care.

Mobile Enforcement System
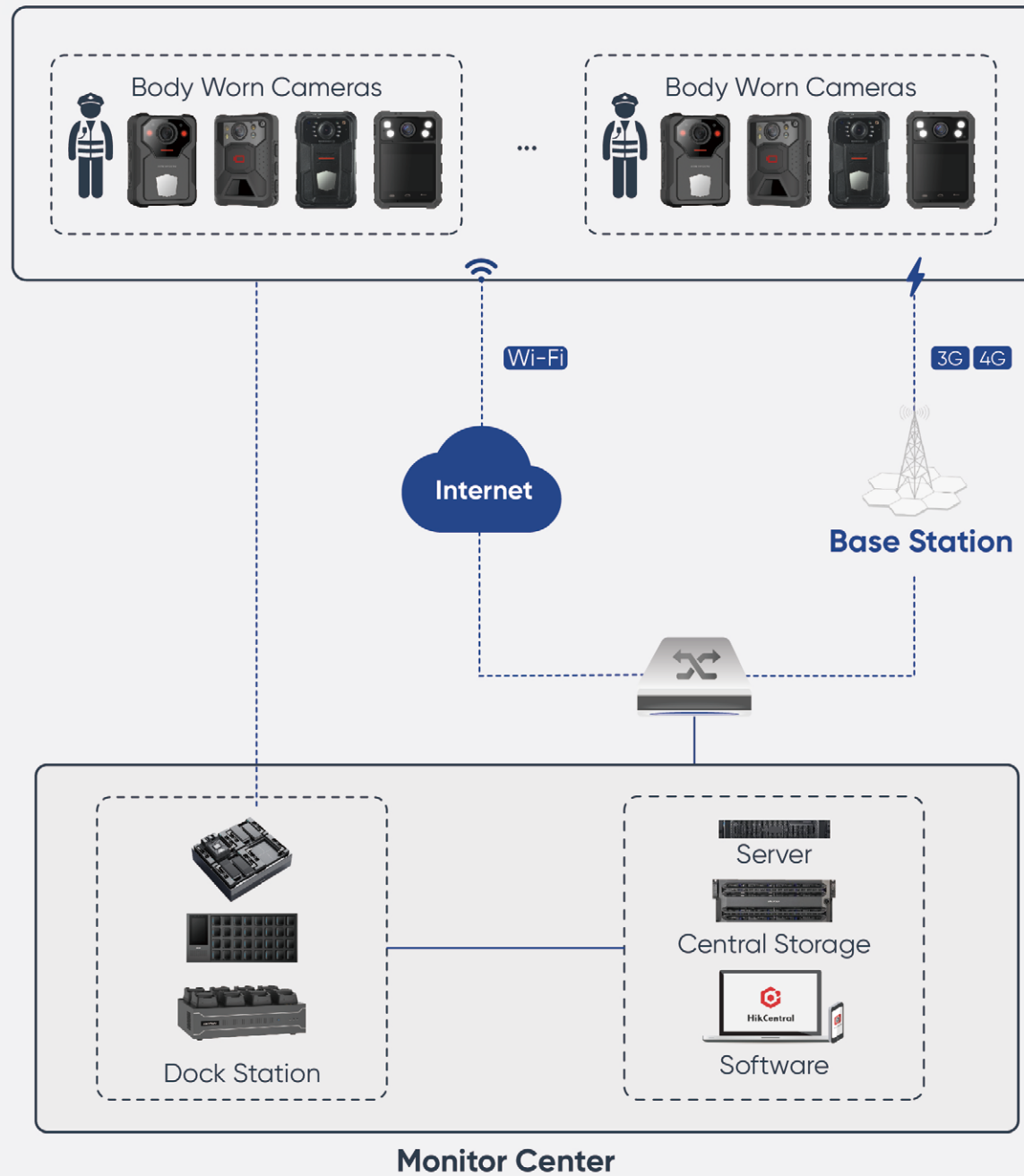
Body Worn Camera

Body Worn Cameras capture video, audio, and images on the move. It records video at resolution up to 1080p at 30 frames per second, keeping vital metadata such as date, time, GPS location, device number and user details for evidential purpose. The main product, DS-MCW407 series, combines strong waterproofing and anti-fall features, a large capacity battery, and a large recording button. It is more lightweight, simple to use, and applied to more scenarios.

> **H.264 and H.265 video encoding**

> **Up to 1080 @ 30 fps resolution**

> **Built-in GPS module**

> **3G/4G network transmission (optional)**

> **Wi-Fi 802.11 b/g/n**

DS-MCW407D(C)

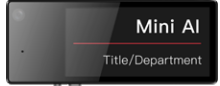> **More scenarios**
  · Waterproof & Anti-fall (IP68 & Anti-fall 2m)

> **Lightweight**
  · Build-in battery (3220 mAh)

> **Long standby**
  · Low power battery technology (12h@720P)

> **Easy operation**
  · Large recording button (Convenient)

Body Worn Cameras ... Body Worn Cameras

Wi-Fi

3G 4G

Internet

Base Station

Server

Central Storage

HikCentral

Software

Dock Station

Monitor Center

Model	DS-MH2311(C)	DS-MCW406	DS-MCW407(C)	DS-MCW407(D)	DS-MCW40B	DS-MCC216
Image			HOT	HOT	NEW	Mini AI Title/Department
System	Android 9.0	Linux	Android 9.0	Linux	Linux	Linux
Video Compression	H.264/H.265	H.264/H.265	H.264/H.265	H.264/H.265	H.264/H.265	H.264/H.265
Video	1920 × 1080@30 fps 1280 × 720@30 fps 720 × 576@30 fps	2688 × 1520@30fps, 1920 × 1080@30fps, 1280 × 720@30fps, 720 × 576@30fps	1920 × 1080@30fps, 1280 × 720@30fps, 720 × 576@30fps	1920 × 1080@30fps, 1280 × 720@30fps, 720 × 576@30fps	1920 × 1080@30fps, 1280 × 720@30fps, 720 × 576@30fps	1600 × 1200@25fps, 1280 × 960@25fps, 640 × 480@25fps
Picture	Up to 30 MP	Up to 40 MP	Up to 40 MP	Up to 40 MP	Up to 40 MP	/
Display	2.4" touch TFT	1.77" TFT	2.0" touch TFT	2.0" touch TFT	2.0" front-facing TFT	2.13" electronic ink screen
IR Illuminators	Support	Support	Support	Support	Support	/
Wireless Transmission	LTE FDD: B1/B2/B3/B4/B5/B7/B8/ B20/B28 LTE TDD: B38/B39/B40/B41 WCDMA: B1/B2/B4/B5/B8 GSM: 900/1800 MHz	N/A	FDD-LTE: B1/B2/B3/B4/B5/B7/B8/ B20/B28; TDD-LTE: B38/B39/B40/B41; WCDMA: B1/B2/B4/B5/B8; GSM: 850/900/1800/1900 MHz (only available for /GLE model)	FDD-LTE: B1/B3/B5/B7/B8/B20; TDD-LTE: B38/B40/B41; WCDMA: B1/B5/B8; GSM: 850/900/1800 MHz (only available for /GLE model)	FDD-LTE: B1/B3/B7/B8/B20; WCDMA: B1/B8; GSM: 900/1800 MHzW	/
Wi-Fi	802.11 a/b/g/n/ac	802.11 b/g/n (for DS-MCW406/32G/GPS/WIFI only)	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n	802.11b/g/n
Positioning	Built-in GPS, Beidou	GPS, Beidou, and mixed positioning (for DS-MCW406/32G/GPS/WIFI only)	GPS, Beidou, Mixed Positioning	Built-in GPS, Beidou	GPS, Beidou	/
Protection Level	IP67	IP54	IP67	IP68	IP67	/
On-board Storage	Build-in 32 GB, Max. 256 GB	Build-in 32 GB, Max. 256 GB	Build-in 32 GB, Max. 256 GB	Build-in 32 GB, Max. 256 GB	Build-in 32 GB, Max. 256 GB	Build-in 32 GB, Max. 64 GB
Battery	A dismountable battery with 3,300 mAh capacity which can record videos up to 15/13 hours in 720p/1080p resolution	A battery with 2,500 mAh capacity which can record videos up to 14/12 hours in 720p/1080p resolution	A battery with 3,220 mAh capacity which can record videos up to 12 hours in 1080p resolution	A battery with 3,220 mAh capacity which can record videos up to 11 hours in 1080p resolution	A battery with 3,220 mAh capacity which can record videos up to 11 hours in 1080p resolution	A battery with 1,550 mAh capacity which can record videos up to 11 hours in 1080p resolution (for record only in 20 °C)
Interface	Mini USB	Type-C	Mini USB	Type-C	Type-C	Type-C
Dimensions	95 × 60 × 29 mm (3.7 × 2.4 × 1.1 inch)	85 × 59 × 30 mm (3.4 × 2.3 × 1.2 inch)	82.6 × 58 × 29 mm (3.3 × 2.3 × 1.1 inch)	82.6 × 58 × 29 mm (3.3 × 2.3 × 1.1 inch)	83 × 58 × 33 mm (3.3 × 2.3 × 1.3 inch)	81 mm × 32.4 mm × 11 mm (3.2 × 1.3 × 0.4 inch)
Weight	190 g (0.4 lb)	125 g (0.27 lb)	165 g (0.4 lb.)	159.5 g (0.4 lb.)	167 g (0.4 lb.)	52 g (0.1 lb.)
Working Temperature	-20 °C to 55 °C (-4 °F to 131 °F)	-20 °C to 55 °C (-4 °F to 131 °F)	-20 °C to 55 °C (-4 °F to 131 °F)	-20 °C to 55 °C (-4 °F to 131 °F)	-20 °C to 55 °C (-4 °F to 131 °F)	-20 °C to 55 °C (-4 °F to 131 °F)
Working Humidity	<90 %	<90 %	<90 %	<90 %	<90 %	<90 %

Mobile Enforcement System
Dock Station

A dock station charges multiple body worn cameras simultaneously and backs up enforcement data easily. Data can be synchronized and managed using the central management platform.

> **Simultaneous charging and video backup from body worn cameras**

> **Large local storage (optional)**

Model	DS-MDS001	DS-MDS004	DS-MDS003
Image			HOT
Operation System	Linux	Linux	Linux storage & Android operation system
Display	-	-	13.3 inch touch TFT
Body Camera Connection Port	Bottom contact port	USB Type-C data cables	Mini USB/Type-C optional
Number of Body Cameras Cradle	8	8	8/16/24/32
Power	Max. 250 W	180 W	Max. 500 W
Storage	4 HDDs, Max. 8 TB for each HDD	2 HDDs, Max. 8 TB for each HDD	6 HDDs, Max. 8 TB for each HDD
USB Interface	1 × USB 3.0	1 × USB 2.0	1 × USB 2.0, 1 × USB 3.0
Network Interface	2 × 10M/100M/1000M Ethernet interface	2 × 10M/100M/1000M Ethernet interface	1 × 10M/100M/1000M Ethernet interface
Loudspeaker	1	1	1
Operating Condition	-10 °C to 55 °C (14 °F to 131 °F)	-10 °C to 55 °C (14 °F to 131 °F)	-10 °C to 55 °C (14 °F to 131 °F)
Weight	7.1 kg (15.65 lb.)	2.84 kg (6.26 lb.)	18.295 kg (40.334 lb.)
Product Dimension	400 × 300 × 124 mm (15.8 × 11.8 × 4.9 inch)	260 × 230 × 60mm (10.2 × 9.1 × 2.4 inch)	635 × 604.6 × 108.7 mm (25 × 23.8 × 4.3 inch)
Installation Method	Desktop mount	Desktop mount	Wall mount, mobile mount, desktop mount

DS-MDS001

> **Lightweight**
  · Small size
  · Easy to reach

> **Convenient**
  · It can be quickly removed and inserted in time, and use in any time

> **Charging**
  · Can be directly wired or plugged

DS-MDS003

> **Uploading**
  · Type-C interface
  · Unlock BWC by face recognition / password verification

> **System**
  · Linux storage & Android operation system
  · 13.3 inch touch screen

> **Installation**
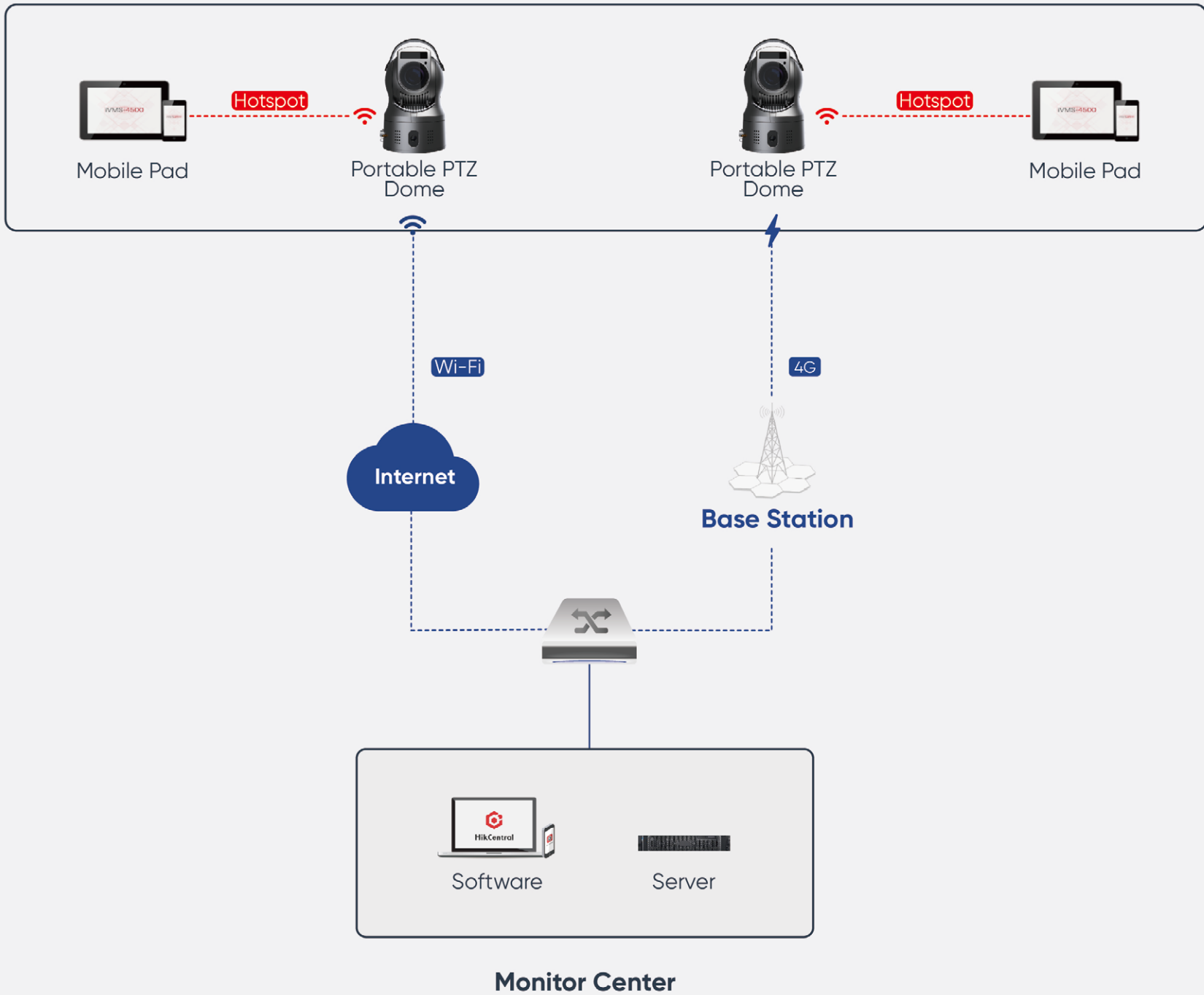 · Wall mount / Desktop mount / Mobile mount

Mobile Enforcement System
Portable PTZ Dome Camera

Portable PTZ dome cameras were developed for emergency monitoring (small events), factory safety, mobile enforcement (installed on cars), providing a mobile view around the city, and securing critical borders. Law enforcement personnel can choose the automatic number plate recognition (ANPR) mode to make temporary monitoring more intelligent.

- Deep learning ANPR
- 4G / Wi-Fi
- H.264 / H.265
- 8 MP / 4 MP
- GPS, GLONASS
- Replaceable power supply module
- ≥ 9 hours in 1080p of continuous operation
- IP66

Mobile Pad — Hotspot — Portable PTZ Dome — Portable PTZ Dome — Hotspot — Mobile Pad

Wi-Fi

Internet

4G

Base Station

Software HikCentral

Server

Monitor Center

iDS-MCD402-E

> **Panorama & Detail**
  · Supports dual cameras, with a 4MP PTZ varifocal lens and an 8MP wide-angle fixed-focal lens.

> **Easy interaction**
  · 2.4 inch LCD touch screen operate instead of computers, supporting information viewing, smart mode selection, etc.

> **Louder and clearer**
  · Supports dual MIC, loudspeaker, and custom voice import.

> **Multiple application scenarios**
  · ANPR and temporary monitoring, including emergency monitoring (small event), factory safety, low-speed mobile enforcement (installed on the car), etc.

Model	iDS-MCD402-E
Image	
Video Compression	H.265/MJPEG/H.264
Video	Lens 1 : 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720, 720 × 576) Lens 2 : 60 Hz; 30 fps (3840 x 2160, 3072 x 1728, 704 × 240, 352 x 240)
Zoom	36× optical zoom, 12× digital zoom
PTZ	Movement Range (Pan) 360° endless Movement Range (Tilt) -20° to 90° (Auto-flip)
Fixed Lens	3840*2160
Screen	2.4" LCD
IR Distance	Up to 100 m
External Interface	Network interface; Bluetooth and power interface
Wireless Transmission	FDD -LTE: B1/B3/B5/B7/B8/B20 TDD -LTE: B38/B40/B41 WCDMA: B1/B5/B8 GSM/GPRS/EDGE: 850 MHz/900 MHz/1800MHz 802.11 b/g/n/ac, 2.412 to 2.472 GHz, 5.15 to 5.25 GHz, 5.725 to 5.875 GHz, supporting Wi-Fi AP remote live view
Speaker and Microphone	Built-in
LED Screen	Built-in
Positioning	GPS, Glonass
Protection Level	IP66 standard; TVS 4000V lightning protection, surge protection and voltage transient protection
On-board Storage	Built-in dual TF card slots, up to 256 GB for each TF card
Battery	Pluggable battery for continuous work, ≥9 hours
Intelligent Function	LPR/Face Capture (one of algorithms can operate at a time)

Mobile Enforcement System

Barcode Scanner PDA

Barcode scanner PDA is a machine that collects information by scanning barcodes. Hikvision based on powerful video technology over the years to produce a self-developed scanner camera, a combination of camera, deep learning algorithm, and fill light system in one. From traditional note-taking to existing scanning devices, it can provide fast barcode information collection, analysis, and identification. Then it realizes efficient scanning and accurate linking.

> Self-developed camera

> Android 10

> TFT capacitive touch screen

> Built-in GPS, BeiDou, GLONASS

> Wi-Fi 802.11 a/b/g/n/ac

DS-MDT201

- Self-developed scanner
- 16 hours of battery life, 20 days of ultra-long standby
- IP68
- Support deep learning algorithms
- ID card reading

DS-MDT301

- Full keyboard protection design
- Forward looking camera
- Self-developed scanner
- 500h long standby time
- NFC reading

› **Self-developed scanner**
  · Supports OCR recognition (customization) and abnormal barcode recognition

› **High-capacity battery**
  · Long battery life & long standby

› **NFC reading**
  · Card reading recognition & membership card management

› **Intelligent analysis**
  · License plate recognition, Face recognition, etc.

Model	DS-MDT201	DS-MDT301
Image	HOT	NEW
System	Android 10	Android 10
Image Sensor	Front camera: 5 MP Rear camera: 13 MP	Front camera: 2 MP Rear camera: 5 MP
Screen Size	5.5 inch	4.0 inch
Screen Resolution	720 × 1440	800 × 480
Screen Material	TFT Capacitive touch screen	TFT Capacitive touch screen
Lens Focal Length	Front camera: 2.23 mm Rear camera: 3.44 mm	Front camera: 0.4 mm Rear camera: 2.23 mm
Focus Mode	Front camera: Fixed Rear camera: Auto	Front camera: Fixed Rear camera: Fixed
FOV	Horizontal: Front camera: 61.3°, Rear camera: 67.9° Vertical: Front camera: 46°, Rear camera: 53.7°	Horizontal: Front camera: 51°, Rear camera: 61° Vertical: Front camera: 30°, Rear camera: 47°
Record Resolution	Front camera: 1080p, 720p, 480p Rear camera: 1080p, 720p, 480p	Front camera: 720p, CIF, QVGA Rear camera: 1080p, 720p, CIF, QVGA
Image Resolution	Up to 13M	Up to 5M
4G Dial-up	TDD-LTE: B38/B39/B40/B41 FDD-LTE: B1/B3/B5/B8 WCDMA: B1/B8, TD-SCDMA: B34/B39 CDMA EVDO BC0 GSM: 900/1800 MHz	TDD-LTE: B38/B39/B40/B41 FDD-LTE: B1/B3/B5/B7/B8/B20 WCDMA: B1/B8, TD-SCDMA: B34/B39 CDMA EVDO BC0 GSM: 900/1800 MHz
Wi-Fi	802.11 a/b/g/n/ac	802.11 a/b/g/n/ac
Positioning	GPS, BeiDou, Glonass	GPS, BeiDou, Glonass
Bluetooth	5.0	5.0
Charging Interface	Type-C	Type-C
Protection Level	IP68	IP65
Embedded Storage	EMMC, Max. 64 GB	TF, Max. 256 GB
Battery	4900 mAh	5200 mAh
Dimensions	157 mm × 75 mm × 14 mm (6.2 × 3.0 × 0.6 inch)	164 mm × 70 mm × 37 mm (6.5 × 2.8 × 1.5 inch)
Weight	240 g (0.5 lb.)	280 g (0.6 lb.)
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)	-10 °C to 55 °C (14 °F to 131 °F)
Working Humidity	≤ 95%	≤ 95%

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