

DS-MCW417**Ultra-endurance Body Worn Camera**

- 2K recording.
- Supports configurable IR night vision
- High protection level, all-weather workable.
- It is equipped with a 6200mAh battery. When only the video recording function is enabled, it can last for 15 hours
- When the video recording and the upload of GPS data via the internet are enabled, it can last for 12 hours, meeting the needs of a full day's work.
- Allows access and real-time transmission of video and audio (livestreaming) and GPS positioning over homologated platform.
- Large recording button for convenient operation, with anti-accidental activation function.
- All functions of start recording, end recording, start face capture, license plate captured, remote viewing started, and low battery have configurable audio alert.
- Configure the frequency of file breaking by duration, allowing greater flexibility and file integrity, in at least 5, 10, 20, 30 and 60 minutes.
- All files storage and transmission are encrypted.
- It has front LED lights that display the recording status, allowing the body cam operator and the public to know the recording status.
- Captures voices intelligibly from up to 3 meters.
- All external connections and Bodycam settings are protected by authentication and cryptography.
- Bodycam user authentication can occur via an approved dock station using facial and digital biometrics.
- Supports remote recording activation and deactivation via the platform and its API.
- Face captures from up to 4 meters away.
- ANPR with onboard list and match alert.
- Configurable displays the battery charge level, authenticated user, device id, remaining memory, latitude and longitude, LTE signal intensity and number of GPS satellites on the screen.
- Allow the insertion of configurable tags and metadata to the evidence recorded on the body cam through the screen.
- File protection in case of power failure.
- Onboard media player with controllable forward and rewind, pause and play.
- Log generation of all actions performed and equipment status.

▪ Specification

Camera	
Image Sensor	1/3" progressive scan CMOS
Max. Recording Resolution	2688 × 1512
Min. Illumination	Color: 0.11 Lux @ (F2.2, AGC ON), 0 Lux with supplement light
Day & Night	Switch IR cut filter automatically
Zoom	4 × digital
White Light	1 white light(s)
Lens	
Focal Length	2.4 mm fixed lens
FOV	Horizontal FOV: 126°, Vertical FOV: 70°, Diagonal FOV: 144°
Aperture	F2.2
Video	
Video Compression	H.264, H.265
Main Stream	60 Hz: 30 fps (2688 × 1512, 1920 × 1080, 1280 × 720, 720 × 576)
Sub-Stream	30 fps (1920 × 1080, 1280 × 720, 720 × 576)
Video Bit Rate	32 Kbps to 16 Mbps
Pre-record & Post-record	Pre-record: 120/60/10/5/3 s, Post-record: 120/60/10/5/3 s
Video Format	MP4, PS
Audio	
Audio Compression for Video Recording	G722, AAC
Audio Compression for Audio Recording	PCM
Audio Compression for Group Intercom	G711.A, G711.U, G722
Audio Bit Rate	G722 (16 kbps), AAC (dynamic), PCM (256 kbps), G711.A (64 kbps), G711.U (64 kbps)
Image	
Image Format	JPEG
Image Resolution	5 MP, 16 MP, 30 MP, 40 MP
Image Stabilization Algorithm	
Image Stabilization Algorithm	GIS: Optional
Screen	
Screen Size	2.4"
Display Resolution	320 × 240
Touchscreen	Supported
Screen Brightness	Typical value: 540 cd/m ²
Storage	
RAM	4 GB
ROM	64GB eMMC

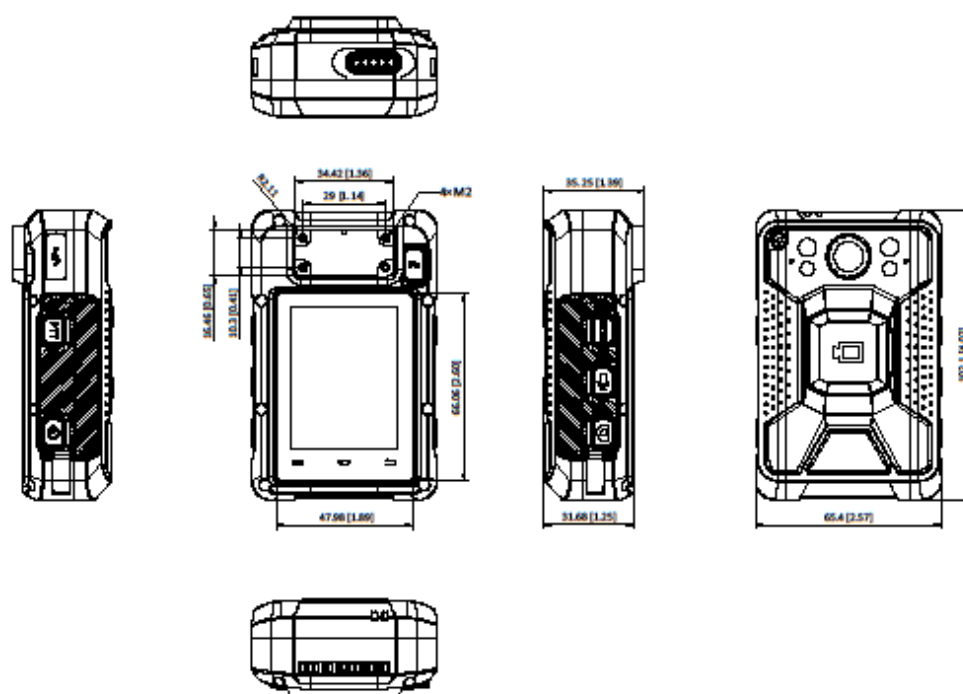
IR	
IR Range	Up to 10 m
IR Wavelength	850 nm
Wireless Network	
Bluetooth	BT4.2
Wi-Fi Protocol	802.11 a/b/g/n/ac
Wi-Fi Encryption	WEP, WPA-PSK (TKIP), WPA2-PSK (AES/CCMP), WPA/WPA2-Enterprise (802.1X + EAP)
Positioning Mode	BeiDou, Galileo, GLONASS and GPS
Cellular Network	GSM: 850/900/1800/1900, WCDMA: B1/B2/B4/B5/B8, FDD -LTE: B1/B2/B3/B4/B5/B7/B8/B20/B28, TDD -LTE: B38/B39/B40/B41
Wi-Fi Frequency Band	2.412 to 2.472 GHz, 5.15 to 5.25 GHz, 5.725 to 5.875 GHz
Network	
Protocol	HTTPS, RTSP, NTP, FTP
API	ISAPI, SDK, ISUP
Security	
Encryption	AES128, AES256
Watermark	Supported
Interface	
Audio Type	2 built-in mic(s), 1 speaker(s)
USB	1 USB 2.0 port(s)
Indicator	2 indicator(s) for charging/working/recording/exception
Button	Power, Video recording, Audio recording, Picture capture, PTT, SOS, Fn
SIM Card	eSIM
Charging Interface	Type-C, Pogo Pin
Group Intercom	
Group Intercom	Supported for firmware version V2.6.0 or above
Deep Learning Function	
Face Capture	Yes
ANPR	Yes
General	
Operating System	Android 9.0
Power	5 VDC, 2.0 A, max. 10 W
Vibration Motor	Optional
Dimensions	102.1 mm × 65.4 mm × 32.25 mm (4.02" × 2.57" × 1.39")
Weight	250 g (without mounting) (0.61 lb.)
MIC	Supported
Gyroscope	Optional
Speaker	1 built-in speaker(s), max. power consumption: 3 W, max. sound pressure level: 95 dB (10 cm)
Client	HikCentral Professional, HikCentral Master, HikCentral eGov DEM
Dock Station	DS-MDS005
Battery	
Capacity	6200 mAh
Battery Type	Lithium-ion battery, integral
Charging Time	≤ 4 h

Battery Duration	Up to 15 h in 720p resolution
Approval	
RF	EN 300 328 V2.1.1 (BT or 2.4G), EN 62311:2008 (BT or 2.4G), EN 55032:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 50130-4:2011+A1:2014), ANATEL
EMC	EN 61000-3-2: 2019, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014, CE-EMC: EN 55032: 2015
Safety	CB: IEC 62368-1: 2014+A11,CE-LVD: EN 62368-1: 2014/A11: 2017,IEC 62368-1: 2018,EN IEC 62368-1:2020+A11:2020,CE-LVD: EN 62368-1: 2014/A11: 2017
Environment	CE-RoHS: 2011/65/EU,WEEE: 2012/19/EU,Reach: Regulation (EC) No 1907/2006
Protection	IP68: IEC 60529-2013
Drop Test	
Drop Test	MIL-STD-810G, 2 m drop test
Warranty	
Warranty	2 years for the device without battery, 1 year for the battery

▪ Available Model

DS-MCW417/64G/GLE

▪ Dimension



Unit:mm [inch]

SCALE 1:1

▪ Accessory

▪ Included

DS-MH1712



▪ Optional

DS-MH1716	DS-MH1712	DS-MH1714	DS-MH1721	DS-MH1711
Two black rectangular mounting brackets, one with a single screw hole and the other with two.	Two black L-shaped mounting brackets, one with a single screw hole and the other with two.	A black, octagonal mounting bracket with a central screw hole and four side holes.	A black, L-shaped mounting bracket with a central screw hole and a side hole.	A black, Y-shaped mounting bracket with a central screw hole and two side holes.
DS-MH1717	DS-MH1715	DS-MH1710-HM-S		
A black, square mounting bracket with four corner holes and a central screw hole.	Two black circular mounting brackets, one with a central screw hole and the other with a side hole.	A black, L-shaped mounting bracket with a central screw hole and a side hole.		

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