DS-MCW40B
Linux 4G Front-Facing Screen Body Camera

Body camera (hereinafter referred to as device) highly integrates with record, taping, capture, positioning, etc. It is embedded with positioning module with high sensitivity to locate the occurring position of events accurately. It can record the process and condition of events completely via record, taping, and capture. You can also tag the important data for future search.

It is small and light, convenient to carry, and can be worn on the shoulder, satisfying the requirement of mobile duty and evidence record for single person. It is widely applicable to public security protection, city management, industry and commerce, etc.

- 1080p HD recording.

- The recorded videos can be uploaded to the central video platform via 4G wireless communication.

- Supports IR night vision. Even in the dark scene, the facial features of the persons in the scene can be recognized clearly.

- High IP level to support all-weather filed operation.

- Built-in battery with large capacity, supporting longer working hour.

- Small size, light weight, and convenient to carry.

▪ Specification

CPU	
CPU	Single core, 32 bit, Main frequency: 0.96 GHz
Camera	
Image Sensor	1/3" progressive scan CMOS
Max. Recording Resolution	1920 × 1080
Min. Illumination	Color: 0.07 Lux @ (F2.2, AGC ON), 0 Lux with supplement light
Day & Night	Switch IR cut filter automatically
Zoom	4x Digital
White Light	Supported
Lens	
Focal Length	2.4 mm fixed lens
FOV	Horizontal FOV: 135°, Vertical FOV: 75°, Diagonal FOV: 145°
Aperture	F2.2
Video	
Video Compression	H.264, H.265
Video Format	PS, MP4
Main Stream	60 Hz: 30 fps (1920 × 1080, 1280 × 720, 720 × 576)
Pre-record & Post-record	Pre-record: 10 s, Post-record: 60 s
Sub-Stream	30 fps (1280 × 720, 720 × 576)
Audio	
Audio Compression for Video Recording	G722_1, AAC
Audio Compression for Audio Recording	PCM
Audio Compression for Group Intercom	G711_A, G711_MU, G722_1
Audio Bit Rate	G711_A(64 kbps), G711_MU(64 kbps), G722_1(16 kbps), AAC(64 kbps), PCM(128 kbps)
Image	
Image Format	JPEG
Image Resolution	5 MP, 16 MP, 30 MP, 40 MP
Image Stabilization Algorithm	
Image Stabilization Algorithm	Not supported
Screen	
Display Resolution	320 × 240
Screen Size	2.0"

Touchscreen	Supported
Screen Brightness	Typical value: 520 cd/m²
Storage	
RAM	128 MB
ROM	64 GB by default, 128/256 GB optional
IR	
IR Range	Up to 10 m
IR Wavelength	850 nm
Wireless Network	
Wi-Fi Protocol	802.11 a/b/g/n
Wi-Fi Frequency Band	2.412 to 2.472 GHz
Cellular Network	Only available for models with /GLE: GSM: 850/900/1800/1900 WCDMA: B1/B8 FDD -LTE: B1/B3/B5/B7/B8/B20 TDD -LTE: B38/B40/B41
Positioning Mode	GPS
Bluetooth	Not supported
NFC	Not supported
Network	
Protocol	HTTPS, RTSP, NTP, FTP
API	ONVIF (PROFILE S, PROFILE G, PROFILE T),ISAPI,SDK,ISUP
Security	
Encryption	AES128, AES256
Watermark	Supported
Interface	
Audio Type	1 built-in mic(s)
Indicator	2 indicator(s) for charging/working/recording/exception
Button	Power,Video recording,Tag,Fn,PTT
SIM Card	Only available for models with /GLE: 1 Nano-SIM card(s)
Charging Interface	Type-C, Pogo Pin
USB	1 USB 2.0 port(s)
Smart Functions	
Face Picture Recognition	Not supported
Face Picture Capture	Not supported
License Plate Recognition	Not supported
Event	
Smart Event	Not supported
Group Intercom	
Group Intercom	Supported for firmware version V2.6.0 or above
General	
Operating Condition	-20 °C to 55 °C (-4 °F to 131 °F). Humidity 95% or less (non-condensing)
Power	5 VDC, 2.0 A, max. 10 W
Dimensions	83 mm × 58 mm × 33 mm (3.3" × 2.3" × 1.3")
Weight	167 g (without mounting) (0.4 lb.)
Operating System	Linux

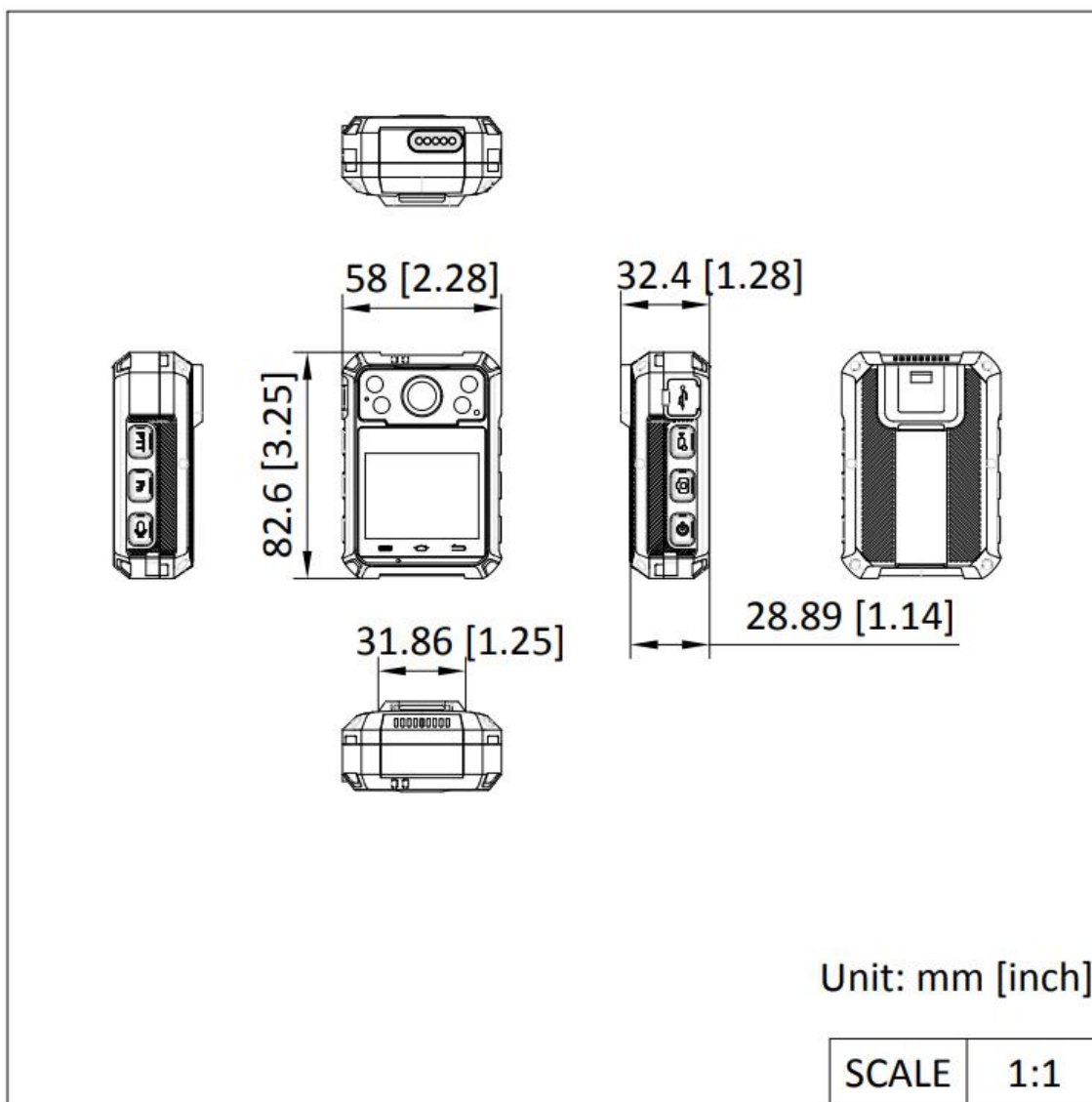| Client	Hik-Connect,HikCentral Pro,HikCentral Master
MIC	Supported
Speaker	1 built-in speaker(s), max. power consumption: 1 W, max. sound pressure level: 87 dB (10 cm)
Vibration Motor	Not supported
Gyroscope	Not supported
Battery	
Battery Type	Lithium-ion battery, integral
Capacity	3220 mAh
Charging Time	≤ 4 h
Battery Duration	Up to 12h in 720p resolution[1]
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)
EMC	CE-EMC: EN 55032: 2015,EN 61000-3-2: 2019,EN 61000-3-3: 2013,EN 50130-4: 2011 +A1: 2014
Safety	CB: IEC 62368-1: 2014+A11,IEC 62368-1: 2018,CE-LVD: EN 62368-1: 2014/A11: 2017,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

1: This is a basic estimation of battery working life only when recording is on. Additional power consumption should be considered when IR, GPS, and/or network connection is on.

▪ Available Model

DS-MCW40B/64G/GLE

DS-MCW40B/128G/GLE(Querétaro)

▪ Dimension

58 [2.28] 32.4 [1.28]

82.6 [3.25]

31.86 [1.25]

28.89 [1.14]

Unit: mm [inch]

SCALE	1:1

▪ **Accessory**

▪ **Optional**

DS-MH1721	DS-MH1717	DS-MH1712	DS-MH1716	DS-MH1715
DS-MH1411-B1				

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