

**DS-MCH508D(CO)
Helmet Camera**

- Up to 1080 p/30 fps recording resolution
- H.264/H.265
- IR light supplement
- Wide-range lens with 102° horizontal FOV
- IP67&IK10
- The battery is dismountable
- Rotatable lens to adjust angle ($\pm 90^\circ$)
- GPS information over OSD image
- Customized Life Rope to prevent fall from the helmet

▪ Specification

Camera	
Max. Recording Resolution	1920 × 1080
Image Sensor	1/2.8" progressive scan CMOS
Min. Illumination	Color: 0.03 Lux @ (F2.4, AGC ON), 0 Lux with supplement light
Day & Night	Switch IR cut filter automatically
Zoom	Not Supported
Lens	
Focal Length	2 mm fixed lens
FOV	Horizontal FOV: 102°, vertical FOV: 55°, diagonal FOV: 140°
Aperture	F2.4
Video	
Video Compression	H.264, H.265
Main Stream	30 fps, 15fps (1920 × 1080, 1280 × 720, 720 × 576, 640 × 480)
Sub-Stream	30 fps, 15 fps, 5 fps (1280 × 720, 720 × 576, 640 × 480)
Video Format	PS, MP4
Image Stabilization	Support EIS Function
Audio	
Audio Compression for Video Recording	G722_1, AAC, MP3
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)
Audio Quality	Noise Suppression and Echo Cancellation
Storage	
Capacity	128 GB eMCC
RAM	128 MB
IR	
IR Range	Up to 10 m
IR Wavelength	940 nm
Wireless Network	
Bluetooth	BT4.0
Wi-Fi Protocol	IEEE 802.11 b/g/n
Positioning Mode	GPS
Cellular Network	Only available for models with /GLE: GSM: 850/900/1800/1900 WCDMA: B1/B8 FDD - LTE: B1/B2/B3/B4/B5/B7/B8/B20/B28 TDD - LTE: B38/B40/B41
Network	
Protocol	HTTPS, RTSP, NTP, FTP
API	ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, ISUP 5.0
Security	AES 128 or AES256
Interface	
USB	1 USB 2.0 port(s)
Indicator	1 Dual color Indicator for Charging/Working/Recording/Exception

Button	Power, Fn
SIM Card	Only available for models with /GLE: 1 (Nano-SIM)
Charging Interface	Type-C
General	
Operating System	Linux
Power	5 VDC, 2 A, max. 10 W
Vibration Motor	Supported
Operating Condition	-20 °C to 55 °C (-4 °F to 131 °F). Humidity 95% or less (non-condensing)
Dimensions	94 mm × 54 mm × 48 mm (3.7" × 2.3" × 1.9")
Weight	233 g (without mounting) (0.51 lb.)
MIC	Supported
Gyroscope	Supported
Speaker	Not supported
Battery	
Capacity	2700 mAh
Battery Type	Lithium-ion battery, dismountable
Charging Time	≤ 4 h
Battery Duration	Up to 11 h in 720 p resolution ¹ Up to 8 h in 1080p resolution ¹
Approval	
RF	EN 301489-1 V2.2.3 EN 301489-3 V2.1.1 EN 301489-17 V3.2.4 EN 301489-52 V1.2.1 EN 301 489-19 V2.2.1 EN 300328 V2.2.2 EN 303413 V1.2.1 EN 300330 V2.1.1 EN 50360:2017 EN 50566:2017 EN 300 440 V2.1.1 EN 301908-1 V15.1.1 EN 301 908-13 V13.1.1
EMC	EN 55032: 2015/A11:2020+A1:2020, EN IEC61000-3-2: 2019/A1:2021, EN 61000-3-3: 2013+A1:2019/A2:2021, 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
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
Protection	IP67, IK10

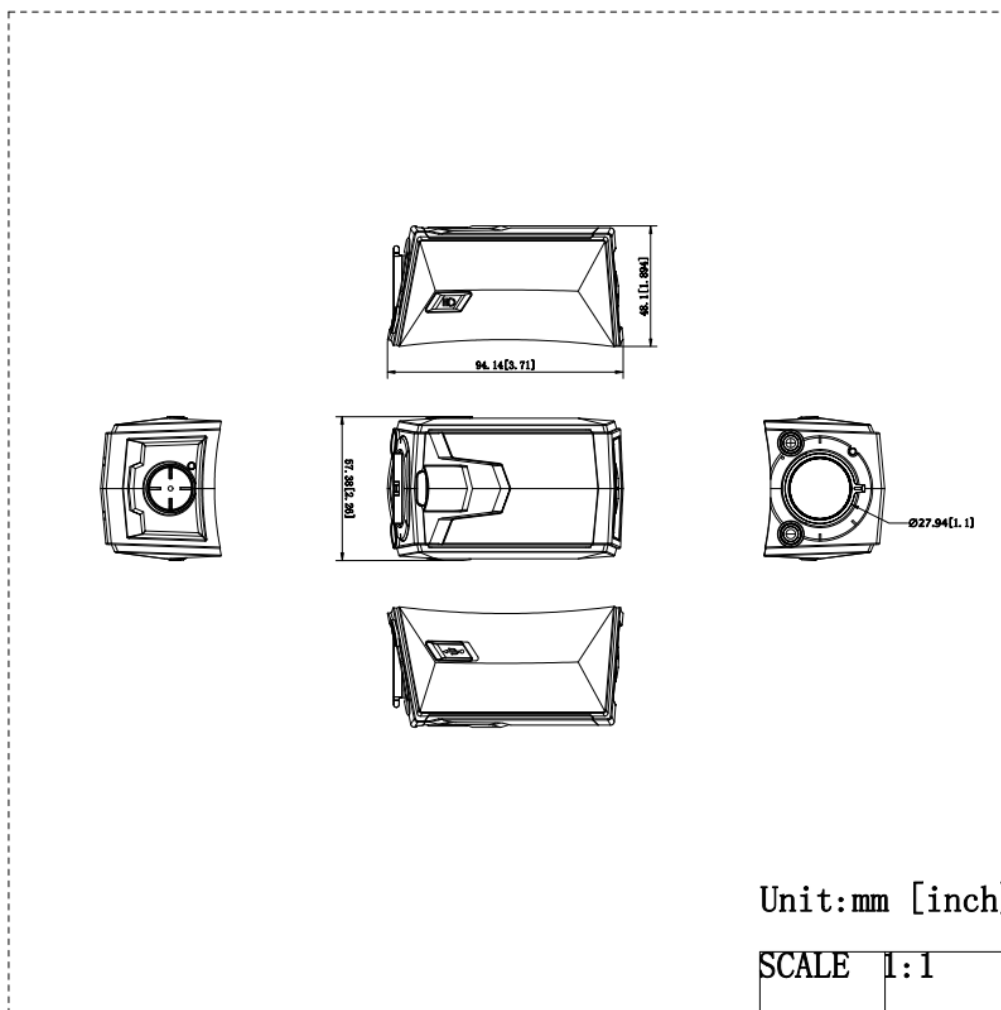
1: This is a basic estimation of battery working life only when recording is on. Additional power consumption should be considered when IR, GPS, and/or network connection is on.

▪ Available Model

DS-MCH508/3/I/32G/GLE(D)(CO)

DS-MCH508/3/I/32G/GPS/WIFI(D)(CO)

▪ Dimension



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