

DS-MCH508 Series Helmet Camera

Introduction

DS-MCH508 series helmet camera is an integrated camera wearable to helmet. The device supports capture, record, 3G/4G wireless transmission, GPS and Beidou, white light supplement, etc. The battery is dismountable, and the lens is rotatable to adapt different angles. It is small and light, and convenient to carry. It is widely applicable to safe manufacturer, emergency repair, combat training, etc.



Key Feature

- Ultralow illumination. Color 0.043 Lux @ (F2.5, AGC ON).
- H.265/H.264 video compression. Up to full HD 1920 × 1080 @ 25 fps real-time images can be transmitted with ultralow delay and bitrate. JPEG encoding for picture capture.
- Dual-stream. H.265 and H.264 streams can be output simultaneously with high compression ratio.
- MicroSD card for local picture storage, auto overwriting, and auto upload.
- One-key capture.
- Dismountable battery.
- Rotatable lens to adjust angle ($\pm 90^\circ$).
- High brightness white light supplement.
- Low consumption.

Available Model

DS-MCH508/3/W/32G/GPS/WIFI
DS-MCH508/3/W/32G/GLE



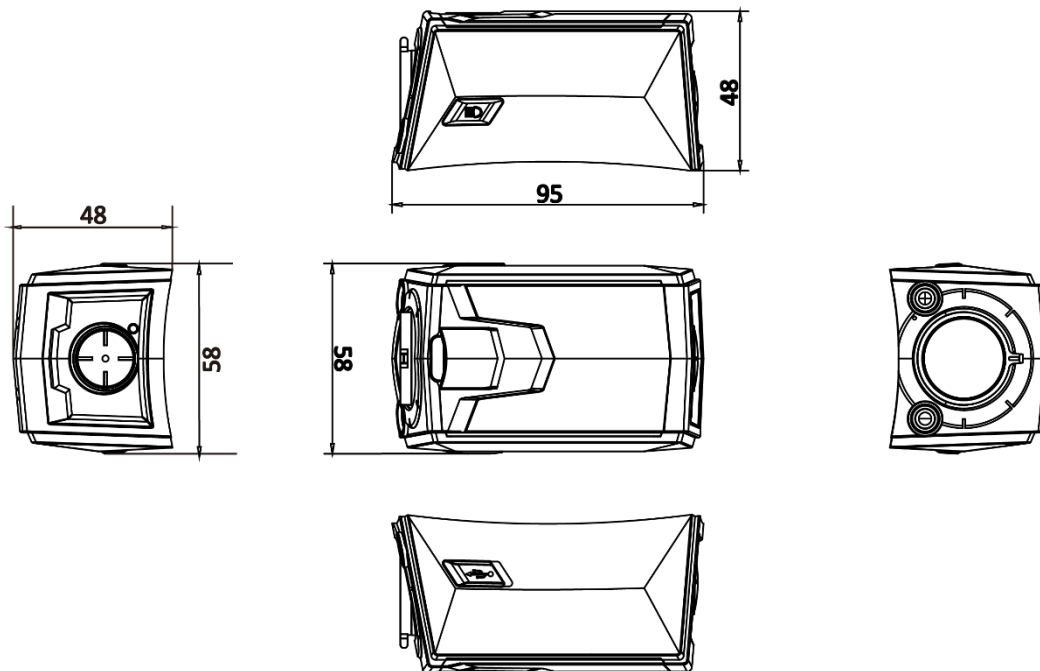
Specification

Model		DS-MCH508
Camera Module	Image Sensor	1/2.7" Progressive Scan CMOS
	Min. Illumination	Color 0.043 Lux @ (F2.5, AGC ON)
Lens	Type	3 mm @ F2.5
	FOV	Horizontal FOV: 113° Vertical FOV: 55° Diagonal FOV: 144°
Video	Video Compression	H.265/H.264
	Video Resolution	Main stream: 1080p/720p/D1 Sub-stream: 720p/D1
	Video Bitrate	Main stream: 1 Mbps/2 Mbps/4 Mbps/8 Mbps Sub-stream: 512 Kbps/1 Mbps/2 Mbps/4 Mbps/8 Mbps
	Video Format	MP4
	Max. Frame Rate	25 fps @ 1920 × 1080
	Video Stabilization	Electronic stabilization
	Shutter	Digital shutter
Image	White Balance	Auto
	Image Format	JPEG
Image	Max. Image Resolution	1920 × 1080
	Storage	Capacity
Network	4G	Frequency band: FDD LTE: Band 1, Band 3, Band 7, Band 8, Band 20 WCDMA/HSDPA/HSUPA/HSPA+: Band 1, Band 8 GSM/GPRS/EDGE: 900 MHz/1800 MHz
	Satellite Positioning	GPS, Beidou, and mixed positioning
	Wi-Fi	802.11 b/g/n
	Bluetooth	BT4.0
Interface	USB Interface	1, USB Type-C interface
Others	LED Light	Supported
General	Battery Capacity	2,700 mAh
	Working Temperature	-30 °C to 55 °C (-22 °F to 131 °F)
	Working Humidity	< 95%
	Ingress Protection Level	IP67
	Dimension (L × W × H)	95 × 58 × 48 mm (3.7 × 2.3 × 1.9 inch)
	Power Supply	Embedded dismountable lithium battery; External power supply via USB Type-C interface, 5 V, 1.4 A
	Consumption	≤ 0.8 W
Weight	228 g (without package) (0.5 lb)	

Note:

- Battery life is affected by environment and device configuration. In general condition, the battery capacity will reduce after one-year usage.
- The device can record about 14.5/11.5 hours continuously in 720p/1080p resolution when Wi-Fi, GPS, 4G, LED, Bluetooth, etc. are disabled.

Dimension



Unit: mm

Distributed by



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