dahua
TECHNOLOGY

DH-MSB-L200
4G Mobile Speed Dome

• Equipped with starlight CMOS image sensor, it can achieve 30 times optical zoom, the resolution up to 1920 x 1080, perfect display of low illumination environment
• Low bit stream transmission, more resource saving
• Support WDR, combined with 3D DNR, perfect day / night image display
• Built in lithium battery, the usage up to 9 hours
• Flexible network, support through wired, 3G/4G and WiFi access network, adapt to a variety of network platform monitoring system
• Built in WiFi and Bluetooth module, support WiFiAP
• Built-in GPS module, an external GPS antenna is optional
• With OLED small screen, it can display the working state of the device in real time
• Dual TF card for local storage
• IR distance up to 100 meters
• Support lens heating and fog removal
• Magnetic composite sucker design, simple deployment, equipped professional draw-bar box, optional with tripods, which is easy to move

System Overview

Featuring powerful optical zoom and accurate pan/tilt/zoom performance, this camera provides an all-in-one solution for capturing long distance video surveillance for outdoor applications. Together with infrared illumination technology, the camera is the perfect solution for dark, lowlight applications. The series combines a day/night mechanical IR cut filter for the highest image quality in variable lighting conditions during the day, and True WDR for applications with direct sunlight or glare.

Functions

Anti-vibration
  Using shock-absorbing material and structure, the new design keeping the system work normally all the time.

Wide Dynamic Range
  The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology.

Tracking function
  This feature controls the pan/tilt/zoom actions of the camera to automatically track an object in motion and to keep it in the scene. The tracking action can be triggered manually by mobile keyboard.

Environmental
  Dahua cameras operate in extreme temperature environments, rated for use in temperatures from -20 °C to +55°C . Subjected to rigorous dust and water immersion tests and certified to the IP66.

Mobile Speed Dome | DH-MSB-L200

Technical Specification

Storage

Micro SD	2 Micro SD, plug-in card designed,plug and play,up to 256GB for each

Network

4G	Dual 4G module, support load balancing, built-in antenna
SIM card	2 SIM ports
Wired network	Support 10/100M network audio and video transmission
WIFI	Support 2.4G and 5G dual settting, support 802.11b/g/n/ac to set AP, using smart phone or pad to directly access operations
GPS	Built-in GPS module, can connect external GPS antenna
Bluetooth	Bluetooth headphone voice pair

External interface

14-core aviation connector	1.Network cable:RJ45. 2.Φ5.5*2.1mm power port 3.GPS port 4.RS232
8-core aviation connector(optional)	1.alarm input 2.audio input 3.12V controllable power(alarm) input 4.RS485

Battery

Battery temperature	charge：0℃~45℃ discharge：-20℃~60℃
Battery capacity	10.05Ah/109.45Wh
Battery working time	9 hours （lowest power consumption）
Detachable	support

Camera

Image sensor	1/1.9 CMOS
Resolution	About 2MP
Horizontal resolution	≥1000TVL
Maximum Image Size	1920×1080
Minimum illumination	Color: 0.004Lux@F1.6 ; Black&White:0.0004Lux@F1.6 0Lux(IR on)
Gain control	Auto/Manual
3D DNR	Support
2D DNR	Support
S/N Ratio	≥54dB
White Balance	Auto/ Manual/ Indoor/ Outdoor/ Daylight lamp/ Sodium lamp
Shutter Time	1/1 ~ 1/30000s
Anti Shake DSP	Support

WDR	120dB
HLC	Support
Digital Zoom	16X
Day & Night	Auto ICR optical filter color to black
Focus Mode	Auto/ Semiautomatic/ Manual
Focal length	6mm ~ 180mm
Zoom Speed	about 3.5s
Field angle	Horizontal:61.2º ~2.32º(wide-to-tele)
Angle of View	100mm~1500mm (wide-to-tele)
Optical zoom	30X

PTZ control

Fill-in light	IR
Fill light control	on/off
Fill light distance	100m
Lens defrost	Support
Horizontal range	0° ~ 360°
Vertical range	-20° ~ 90°
Manual control speed	Horizontal:0.1° ~ 90°/s Vertical:0.1° ~ 90°/s"
Preset speed	Horizontal:0.1° ~ 100°/s Vertical:0.1° ~ 90°/s"
Location accuracy	±0.15°
Preset	255
Tour	8，each can add 32 presets
Pattern	5
Auto scan	4
Idle motion	Support
Timing task	Support
Information display	Support
Main stream	50Hz:50fps(1920×1080)，25fps(1280×960)，25fps(1280×720) 60Hz:60fps(1920×1080)，30fps(1280×960)，30fps(1280×720)"
Sub stream	50Hz:25fps(704×576)，25fps(352×288) 60Hz:30fps(704×480)，30fps(352×240)
Third stream	50Hz:25fps(1920×1080), 25fps(1280×960)，25fps(1280×720)，25fps(704×576)，25fps(352×288) 60Hz:30fps(1920×1080), 30fps(1280×960)，30fps(1280×720)，30fps(704×480)，30fps(352×240)
Video compression	H.265/H.264
Audio compression	PCM/G.711a/G.711u

Accessory

Accessory (order separately)	battery charging base, tripod, micro SD card

General

Power supply	DC 24V（6V - 36V)
Power consumption	<20W(IR off<24W, IR on<40W , Motor IR on <56W)
Working environment	Temperature：-20 ～55℃
Protection level	IP66, surge protection and lightning protection GB/T17626.5-2008, ESD 17626.2—2006
Dimension	height:280mm diameter:170.5mm
Weight	4.87kg

Dimension