

DH-MSB-L200 4G Mobile Speed <u>Dome</u>



- 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 $^{\circ}$ C to +55 $^{\circ}$ C . Subjected to rigorous dust and water immersion tests and certified to the IP66.

Technical Specifica	10011
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.Ф5.5*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°C~45°C discharge: -20°C~60°C
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

HLC 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-61.2° ~ 2.32°(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" Preset 255 Tour 8, each can add 32 presets Pattern 5 Auto scan 4 Idle motion Support Information display Support Information display Support Main stream 50Hz:250fps(1920×1080), 25fps(1280×960), 25fps(1280×960), 30fps(1280×720), 30fps(1280×720), 30fps(1280×320), 30fps(128	WDR	120dB	
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:61.2e ~ 2.32e(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 Iming task Support Information display Support Main stream 50Hz:25fps(1280x720) 60Hz:60fps(1280x720)* Sub stream 50Hz:25fps(1280x720), 25fps(1280x960), 25fps(1280x960), 30fps(1280x960), 30fps(128	HLC	Support	
Focus Mode Auto/ Semiautomatic/ Manual Focal length 6mm ~ 180mm Zoom Speed about 3.5s Field angle Horizontal:61.2e ~ 2.32e(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 Iming task Support Main stream 50Hz:25fps(1920×1080), 25fps(1280×960), 25fps(1280×960), 30fps(1280×960),	Digital Zoom	16X	
Focal length	Day & Night	Auto ICR optical filter color to black	
Zoom Speed about 3.5s	Focus Mode	Auto/ Semiautomatic/ Manual	
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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(1280×960) , 30fps(1280×720) , 30fps(1280×720) , 30fps(1280×720) , 25fps(352×288) 60Hz:30fps(704×480) , 30fps(352×240) Third stream 50Hz:25fps(1920×1080) , 35fps(1280×960) , 35fps(1280×960) , 30fps(1280×720) , 30fps(1280×960) , 30fps(1280×720) , 30fps(1280×960) , 30fps(352×240) Video compression H.265/H.264	Field angle	Horizontal:61.2º ~2.32º(wide-to-tele)	
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 Information display Support Main stream 50Hz;50fps(1920×1080) , 25fps(1280×960) , 25fps(1280×960) , 30fps(1280×720) (0Hz;30fps(1280×720)) (0Hz;30fps(1280×720)) Sub stream 50Hz;25fps(1280×720) , 25fps(1280×720) (25fps(352×288) 60Hz;30fps(1280×20) , 25fps(1280×960) , 30fps(1280×960) , 30fps(1280×9	Angle of View	100mm~1500mm (wide-to-tele)	
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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 Information display Support Main stream 50Hz:50fps(1920×1080) , 25fps(1280×960) , 25fps(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(1280×720) , 25fps(704×576) , 25fps(352×288) 60Hz:30fps(1280×720) , 25fps(704×576) , 25fps(352×288) 60Hz:30fps(1280×720) , 30fps(704×480) , 30fps(352×240) Video compression H.265/H.264	Fill light distance	100m	
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 Information display Support Main stream 50Hz:50fps(1920×1080) , 25fps(1280×960) , 25fps(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(1280×960) , 25fps(1280×720) , 25fps(1280×960) , 30fps(1280×720) , 30fps(1280×960) , 30fps(1280×720) , 30fps(1280×720) , 30fps(704×480) , 30fps(352×240) Video compression H.265/H.264	Lens defrost	Support	
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 Information display Support Main stream 50Hz:50fps(1920×1080) , 25fps(1280×960) , 25fps(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(704×576) , 25fps(352×288) 60Hz:30fps(1920×1080) , 30fps(1280×960) , 30fps(1280×960) , 30fps(1280×960) , 30fps(1280×720) , 30fps(1280×960) , 30fps(1280×960) , 30fps(1280×720) , 30fps(704×480) , 30fps(352×240) Video compression H.265/H.264	Horizontal range	0°~ 360°	
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(1280×960) , 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(1280×960) , 30fps(1280×720) , 25fps(704×576) , 25fps(352×288) 60Hz:30fps(1920×1080) , 30fps(1280×760) , 30fps(1280×720) , 30fps(704×480) , 30fps(352×240) Video compression H.265/H.264	Vertical range	-20° ~ 90°	
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Auto scan 4 Idle motion Support Timing task Support Information display Support Main stream 50Hz:50fps(1920×1080), 25fps(1280×960), 25fps(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(1280×720), 25fps(1280×720), 30fps(1280×720), 30fps(1280×720), 30fps(1280×720), 30fps(1280×720), 30fps(704×480), 30fps(352×240) Video compression H.265/H.264	Tour	8 , each can add 32 presets	
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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(1280×76) , 25fps(352×288) 60Hz:30fps(1280×720) , 30fps(1280×960) , 30fps(1280×720) , 30fps(704×480) , 30fps(352×240) Video compression H.265/H.264	Auto scan	4	
Information display Support 50Hz:50fps(1920×1080) , 25fps(1280×960) , 25fps(1280×720) 60Hz:60fps(1920×1080) , 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(1280×720) , 25fps(1280×960) , 30fps(1280×720) , 30fps(1280×960) , 30fps(1280×720) , 30fps(1280×720) , 30fps(704×480) , 30fps(352×240) Video compression H.265/H.264	Idle motion	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	Timing task	Support	
Main stream ,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	Information display	Support	
Sub stream 60Hz:30fps(704×480), 30fps(352×240) 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	Main stream	, 25fps(1280×720) 60Hz:60fps(1920×1080),	
Third stream 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	Sub stream		
	Third stream	25fps(1280×720), 25fps(704×576), 25fps(352×288) 60Hz:30fps(1920×1080), 30fps(1280×960),	
Audio compression PCM/G.711a/G.711u	Video compression	H.265/H.264	
	Audio compression	PCM/G.711a/G.711u	

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Mobile Speed Dome | DH-MSB-L200

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 C
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

