Dahua’s Mobile series of cameras offers high-resolution video and cutting-edge technology in a compact and accessible package. The camera seamlessly integrates with existing analog infrastructures, simplifying installation; and the shock-proof, compact case makes the camera adaptable to any environment. HDCVI technology ensures real-time transmission of high-definition images over long distances.

**Functions**

Four Signals over a Single Coaxial Cable
HDCVI technology simultaneously transmits video, audio, power, and data over a single coaxial cable. Dual-way data transmission allows the HDCVI camera to communicate with an HCVR to send control signals or to trigger alarms. HDCVI along with PoC technology delivers power¹ to devices at the edge, simplifying installation.

Shock Proof
Vibration is inevitable in mobile applications. In order to avoid image or connection failure, the hardware structure of the mobile camera is shock-proof and is certified to the EN50155 standard. Plus, the mobile camera uses an M12 aviation connector for stable connection to an MCVR.

Simplicity
HDCVI technology seamlessly integrates traditional analog surveillance systems with upgraded, high-quality HD video, making it the best choice to protect security investments. The plug and play approach enables full HD video surveillance without the hassles of configuring a network.

**Environmental**

With a temperature range of -40 °C to +70 °C (-40 °F to +158 °F), the camera is designed for extreme temperature environments. The camera complies with an IK10 impact rating making it capable of withstanding the equivalent of 5 kg (11.02 lbs) of force dropped from a height of 40 cm (15.75 in.). Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications.

The IP6K9K rating specifies that the housing is impervious to dust and to high-pressure water and steam jet cleaning.

**Protection**

The camera allows for ±25% input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 4KV lightning rating provides effective protection for both the camera and its structure against lightning.

¹Requires PoC Transceivers for each channel and an external power supply for each transceiver.

*Warranty applies to products sold through an authorized Dahua Dealer.
## Technical Specification

### Camera
- **Image Sensor**: 1/2.7-in. CMOS
- **Effective Pixels**: 1920(H) x 1080(V), 2.0 MP
- **Scanning System**: Progressive
- **Electronic Shutter Speed**: 1/30 s to 1/100000 s
- **Minimum Illumination**: Color: 0.02 lux at F2.0, B/W: 0.002 lux at F2.0
- **S/N Ratio**: More than 65 dB

### Audio
- **Audio**: Built-in Microphone

### Aviation Connection
- 1 Red: Power
- 2 White: Video Ground
- 3 Black: Power Ground
- 4 Yellow: Video

### Certifications
- **CE**: EN55032, EN55024, EN50130-4
- **Safety**: UL L60950-1, CAN/CSA C22.2 No.60950-1
- **Mobile Applications**: EN50155 (EN50121-3-2, IEC61373)
- **Electromagnetic Compatibility**: FCC Part 15 Subpart B, ANSI C63.4-2014

### Electrical
- **Power Supply**: 12 VDC ±25%
- **Power Consumption**: Maximum 1.19 W

### Environmental
- **Operating Conditions**: -40° C to +70° C (-40° F to +158° F), Less than 95% RH
- **Storage Conditions**: -40° C to +70° C (-40° F to +158° F), Less than 95% RH
- **Ingress Protection**: IP67
- **Vandal Resistance**: IK10

### Construction
- **Casing**: Aluminum
- **Dimensions**: ø106.0 mm x 50.30 mm (ø4.17 in. x 1.98 in.)
- **Net Weight**: 0.304 kg (0.67 lb)
- **Gross Weight**: 0.422 kg (0.93 lb)

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2. The DORI distance is a measure of the general proximity for a specific classification to help pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specifications and lab test results according to EN 62676-4, the standard that defines the criteria for the Detect, Observe, Recognize and Identify classifications.

3. Transmission distance results verified by real-scene testing in Dahua’s test laboratory. Actual transmission distances may vary due to external influences, cable quality, and wiring structures.
## Ordering Information

<table>
<thead>
<tr>
<th>Type</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 MP HDCVI Camera</td>
<td>DH-HAC-HDB1200FN-M</td>
<td>2 MP Dome HDCVI Camera, 2.1 mm, WDR</td>
</tr>
</tbody>
</table>

## Dimensions (mm/inch)

![Dimensions Diagram]

- 50.3 [2.0"]
- 106 [4.17”]
- 91 [3.58”]
- 4.5 [0.18”]