**What’s in the Box**

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<td>CM-6308-P1-I mini-dome camera</td>
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<td>Accessory Bag: 4 x screws, 4 x plastic anchors</td>
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<td>T20 Torx wrench</td>
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<td>Drill template</td>
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<td>Desiccants</td>
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<td>2-pin power terminal connector</td>
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<td>8-pin I/O terminal connector</td>
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**A. Insert the microSD**

The camera is shipped without a microSDXC card. The user must install a card if storing snapshots or recording triggering by events locally is required.

**To install a microSDXC card**
1. Format a microSDXC card (min 4GB, up to 128GB, Class 10, formatted as a single partition) on your PC.
2. Insert the card into the slot on the camera’s circuit board.
3. Verify that the card status is displayed as Mounted in the unit’s System > Events Handler > SD Card screen.
4. Configure the camera to store snapshots and recordings from the System > Events Source screens.
B. Prepare for Camera installation

1. Verify that the operating temperature range is between -40°C ~ 50°C (-40° ~ 122°F), 0-90% relative humidity (non-condensing).
2. Be sure to have the required accessories and tools available. Refer to the User and Installation Guide.
3. Place the supplied drill template over the installation surface.
4. Drill four holes into the surface.
5. Using the supplied Torx wrench, unscrew the four screws on the dome cover and remove the cover.
6. Once the cover is removed, you will notice plastic lens covers with red arrows; these arrows point to the top part of the camera (which is where the top conduit connection is). **These covers should only be removed right before the dome cover is replaced.**
7. The camera is shipped with the lenses mounted for 180° viewing (Wall Mode).

C. Change the camera from 180° to 360° if required.

If the camera is required to operate in 360° mode, the lens must be physically rotated to Ceiling Mode.

No change is required in the camera’s user interface.

To re-position the lenses
1. Hold the two inner lenses together from the base and rotate them clockwise. Be sure to leave the protective lens caps on the lenses during this step.
2. Gently release the lenses until the spring is fully released.
3. Remove the lens caps.
4. The camera reboots in Ceiling Mode (360° operation).

D. Mount the camera base on the surface

1. Align the holes on the camera’s base plate with the drilled holes.
2. Screw the base into the installation surface.
3. Attach the Cables (see below and right)
4. Tighten the screws after all cables are inserted so that the base plate is flush with the surface.
5. When mounting the camera in 180° mode, note the position of the **Top Conduit** to orientate the camera correctly.

Notes:

To maximize water protection:
1. Only use cables 3.5~6.5mm diameter.
2. Remove the rubber gland
3. Prepare the power and network cables by making diagonal cable cuts to facilitate pushing them through the grommet positions with minimal tearing.
4. Carefully puncture the gland and pass the cables through.
5. Attach the RJ-45 plug to the network cable - do NOT push the plug through the gland.
6. Depending on where the camera is to be mounted, position the rubber gland in the selected entry conduit, and close the other point with the supplied cap. When mounting vertically, use the **Base Conduit** for cable entry.

E. Connecting the camera

1. Insert the leads from the required system cables into their connectors.

a. RJ45 connector to Category 5 or 6 cable for network and IEEE 802.3at PoE+ connection. **Important Note** - A PoE+ supply rated at least 30W is required if powered on the network and not using 24AC power. It is highly recommended to keep the default PoE+ power mode.

b. Two-pin terminal block connector for leads to optional external 24VAC power supply (not provided).

c. 8-pin terminal block connector for leads to alarm and audio I/Os. (see detail)

d. BNC connector for 75-ohm video cable for analog video out in 360° (Ceiling) Mode.
**F: Closing the case**

1. Screw the lanyard from the dome cover onto the lanyard post on the camera base. (see D. above)
2. Align the IR contacts on the dome with the IR contacts on the camera base. See **Note** (right)
3. Before closing the dome cover, remove the Desiccant pack and replace with a new Desiccant from the supplied materials.
4. Replace the dome cover over the base and screw it closed.

**Note:**
The cameras have a circuit protection mechanism that is activated if the cover is removed while the IR LEDs are on. If the IR LEDs are not operating:
- Re-attach the cover (making sure that the IR contacts are in place)
- Make sure that the cover is aligned and closed properly
- Power cycle the camera.

**G. Discover the Camera**

**Use DNA to access the camera default parameters**

1. Download and install the DNA Utility from the web page following the instructions on the first page.
2. Run the DNA application, following the **DNA Application User Guide/Help screens**.
3. Attach the unit to the same LAN segment as the computer that is managing the unit. DNA automatically discovers the unit on the network and displays the device’s current IP address in the Discover List.
4. Select the unit from the Discover List.

**Set the Camera’s IP address and Video Format**

1. If using a Static IP address (as on a Latitude System), follow the DNA instructions to set the desired IP address.
2. On a system using DHCP, select the DHCP option in DNA.
3. To select PAL or NTSC, select the device in the Discover list, right-click to open the context menu and click **Change Video Format**.
4. Click **Update**.

The camera’s web interface can be accessed by Internet Explorer 10 and higher (32-bit) with the ActiveX plug-in and by browsers that do not require ActiveX, such as Microsoft Edge, Chrome or Firefox, on PCs running 64-bit Windows 7, 8, 8.1, or 10.

**H. Attach to VMS**

1. Use your VMS Discovery procedures to discover and attach the camera to your VMS.
2. Use VMS camera setup or camera Web Page access to verify camera orientation, video settings, and focus.

If required, use camera web page to format SD card (single partition) and set up SoE parameters.