# DomeCam Mini user manual

Updated April 2, 2026

**DomeCam Mini** is an IP camera with a smart infrared (IR) backlight and an object recognition function. The user can view archived and live videos in Ajax apps. To store the captured data, install a microSD card or connect the camera to **NVR** with an installed hard disk.

The camera is connected to the network via Ethernet, using the appropriate connector.

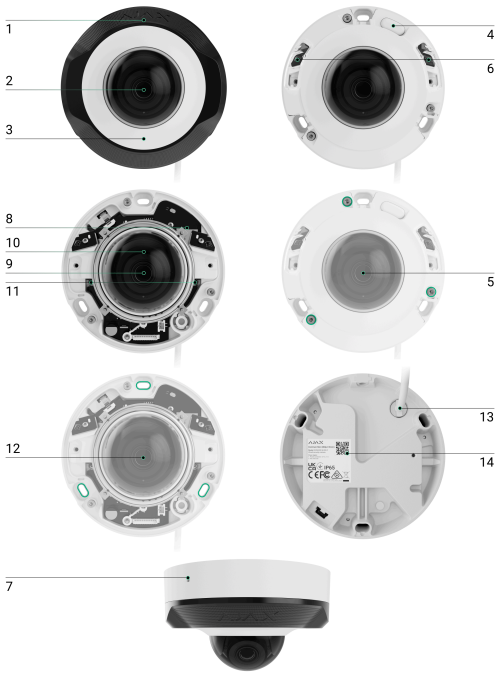
The camera is available in several versions:

- DomeCam Mini (5 Mp/2.8 mm);
- DomeCam Mini (5 Mp/4 mm);
- DomeCam Mini (8 Mp/2.8 mm);
- DomeCam Mini (8 Mp/4 mm).

Buy DomeCam Mini

Camera versions with other enclosures are also available. All Ajax cameras are available here.

## Functional elements




1. Faceted lens. Covers the infrared LEDs and diffuses the rays.
2. Transparent protective cover.
3. Camera enclosure.
4. Reset button with an LED indicator.
5. Screws to secure the camera lid. Can be unscrewed with a bundled hexagon key (Ø 2.5 mm).
6. IR backlight. Used to record videos in dark and low-light conditions.
7. Microphone.
8. Slot for microSD card.

9. Camera lens.

10. Camera lens enclosure.

11. Screws to secure the camera lens enclosure.

12. Holes for attaching the camera to the surface.

13. Cable connector.

14. QR code with the device ID. Used to add DomeCam Mini to an Ajax system.

## Operating principle

DomeCam Mini is an IP camera that uses artificial intelligence (AI) for object recognition. Its algorithms can identify moving objects, distinguishing between humans, animals, or vehicles.

The device features a smart IR backlight, ensuring the capture of high-quality images even in low-light conditions. The camera automatically adjusts the backlight intensity in real time to prevent overexposure, enabling clear visibility of objects that are either far away or too close to the camera in low-light conditions.

> DomeCam Mini has an IP65 protection class, making it suitable for outdoor installation. Its robust metal enclosure protects the device against sabotage.

You can install a microSD card with a memory capacity from 32 GB to 256 GB (not included in the complete set of the camera). The memory card should be V30 or faster. Additionally, the device can operate without a memory card or via NVR.

> Using the video storage calculator, you can calculate the NVR or camera required storage capacity and estimated recording time based on the video stream settings.

**DomeCam Mini enables you to:**

1. Watch the video in real-time with the ability to zoom in for a closer look.
2. Access archived videos, navigating through them based on recording chronology and calendar (this feature is available if a microSD memory card is installed in the camera, or it is connected to NVR with an installed hard disk).
3. Configure motion detection zones and adjust the sensitivity level.
4. View the **Video wall** that combines images from all connected cameras.
5. Quickly access **automation devices** control from the cameras' video player menu.
6. **Create video scenarios** that send a short video from the selected camera to the Ajax app when the security detector is triggered.
7. Download the required segments of video recordings from the archive to smartphones or PCs (this feature is available if a microSD memory card is installed in the camera, or it is connected to NVR with an installed hard disk).

> The video recording segments downloaded from DomeCam Mini with **firmware 2.309** and later have the **Ajax digital signature** that verifies the integrity of the exported video. To verify the authenticity of the downloaded video recordings, use the **Ajax media player** software.
>
> Learn more about Ajax media player

How to download videos from the archive in Ajax apps

How to configure temporary camera video access

8. Configure connection via ONVIF to integrate the device with video management systems (VMS) such as Milestone, Genetec, Axxon, and Digifort.

ONVIF authorization is supported by DomeCam Mini with a firmware version 2.356 or later.

An admin or PRO with rights to configure the system can set up a connection via ONVIF in:

- Ajax Security System with the app version 3.25 or later.
- Ajax PRO: Tool for Engineers with the app version 2.25 or later.
- Ajax PRO Desktop with the app version 4.20 or later.
- Ajax Desktop with the app version 4.21 or later.

**How to configure ONVIF authorization**

## Video scenarios

The Ajax system offers the capability to use IP cameras for alarm verification. Video scenarios enable the substantiation of alarm triggers with the corresponding video from cameras installed at the facility.

Cameras can be configured to respond to alarms from a single device, multiple devices, or all connected devices. Combined detectors can register various types of alarms, allowing you to configure responses to a wide range of alarm types, whether it's just one, several, or all of them.

**Learn more**

You can also configure the **sirens** to activate when motion or a specific AI-recognised object is detected. When video devices detect motion or a specific AI-recognised object, the system automatically activates sirens added to the hub to sound an alarm.

**Learn more**

## Video wall

The user can manage videos on the **Video wall** tab, accessible once at least one camera has been added. This feature ensures quick access to all connected cameras, displayed in accordance with privacy settings.

**In mobile Ajax apps, you can:**

1. Switch between cameras.
2. Search for the desired camera by name.
3. Manage a PTZ camera.

**In Ajax PRO Desktop, you can:**

1. Switch between cameras.
2. Search for the desired camera by name.
3. Organize cameras by room, NVR, or group.
4. Manage a PTZ camera.
5. Save customized layouts for displaying video from cameras.
6. Change the order in which the camera video is displayed.
7. **Create templates for displaying videos in a slide show**.

**How to use the video wall widget in Ajax PRO Desktop**

**What keyboard shortcuts are available in Ajax PRO Desktop**

## Privacy zones

The system allows hiding parts of the frame. For instance, if a safe is in view, activity around it can be recorded without revealing its contents by setting up the right zone. No motion or object will be detected and recorded in the privacy zone.

To do this, in Ajax apps:

1. Go to the **Devices** tab.
2. Select the camera from the list. If it is connected to the network video recorder, select **NVR** and tap on **Cameras**.
3. Go to **Settings** by tapping on the gear icon twice.
4. Select the **Privacy zones** menu.
5. Go to the **Configure privacy zones** menu. Select the required area.

0:00 / 0:09

6. Tap on the icon. Return to the camera settings.

The user can create up to four private zones.

## Firmware update

If a new firmware version for DomeCam Mini is available, the icon appears in Ajax apps in the **Devices** tab. An admin or a PRO with access to the system settings can launch an update via device **states** or **settings**. The on-screen instructions help to update the firmware successfully.

## Selecting the installation site

When choosing the optimal location to install DomeCam Mini, consider the camera's viewing angle and any potential obstacles that might obstruct its view.

**How to install an Ajax camera for better AI recognition**

**How to install DomeCam Mini**

Consider the placement recommendations when designing the security system project for your object. The security system should be designed and installed by professionals. A list of recommended partners is **available here**.

## The camera should not be installed

1. Indoors or outdoors where the temperature and humidity levels do not align with the specified **operating parameters**.
2. In locations where objects or structures might obstruct the camera's view.
3. In direct bright light or on bright objects (e.g., a white wall), as it can reduce the image quality. The bright surface reflects the IR backlight and blinds the camera in the dark.

# Installation

> Before installing DomeCam Mini, ensure that you have read the camera's operation and maintenance recommendations and have chosen an optimal location that complies with this manual's requirements.
>
> Note that inappropriate installation conditions may result in condensation or device damage.

When connecting an external power supply and using DomeCam Mini, follow the general electrical safety regulations for using electrical appliances, as well as the requirements of regulatory legal acts on electrical safety.

**To install the device:**

1. Connect the Ethernet cable to the camera. If it is powered by PoE, no external power supply is needed; otherwise, connect both the external power supply and the Ethernet cable.
2. Turn on the power supply of the camera. The LED indicator on the cable connector lights up green.
3. **Add the camera to the system**, and disconnect the Ethernet and power supply from the camera.
4. Remove the faceted lens.
5. Using the bundled hexagon key (Ø 2.5 mm), remove the screws holding the protective cover. Insert a microSD card (not included) into the appropriate slot. Using a screwdriver, loosen the two screws holding the camera lens enclosure.

> After adding DomeCam Mini to the system, format the memory card in the camera settings.

6. Adjust the camera position by the enclosure's rotation. Tighten the two screws holding the camera lens enclosure. Replace the protective cover and tighten the screws.

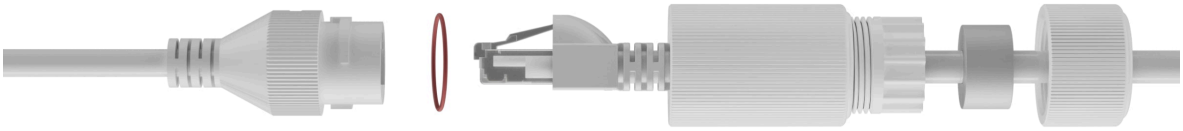
7. Using the installation template, mark the locations for the drill holes on the surface where you plan to mount the camera. Secure the template to the chosen installation location with tape, and drill three holes as indicated on the template.

8. Route the cable through the cable channel and secure the camera to the surface using the bundled screws.

9. Secure the faceted lens.

10. Connect the Ethernet and power supply to the camera. Install a waterproof connector if the camera is used indoors with humidity levels outside the **operating parameters**, or outdoors.

> The recommended electrical parameters for the power supply are 12 V⎓ ± 20% with a current of at least 1 A.



11. Turn on the power supply of the camera. The LED indicator lights up green.
12. Ensure that the camera lens faces the protected area. Adjust it by removing the faceted lens and the protective cover.

## Adding to the system

## Before adding a device

1. Install an **Ajax app**.
2. Log in to your **account** or create a new one.
3. Select a **space** or create a new one.
4. Add at least one **virtual room**.
5. Ensure the space is disarmed.

> Only a PRO or a space admin with the rights to configure the system can add the device to the space.

Types of accounts and their rights

## How to add DomeCam Mini

**Without NVR in the system:**

**With NVR in the system:**

## Resetting to the default settings

To reset the camera to the default settings:

1. Turn off the camera by disconnecting the external power supply or Ethernet cable (if it is powered by PoE).
2. Press and hold the reset button.
3. Power the camera while the reset button is pressed, and wait until the button's LED indicator lights up violet. This will take about 50 seconds.

> The button's LED indicator lights up blue for 20 seconds after powering the camera with a pressed reset button. Then it turns off for 30 seconds and lights up violet. This means that the camera has been restored to the default settings.

4. Release the button.

## Icons

The icons in the app display some device states. To access them:

1. Select a **space** in the Ajax app.
2. Go to the **Devices** tab.
3. Find **DomeCam Mini** in the list.

| Icon | Value |
|---|---|
| ☆ | The extra services are activated according to the subscription. |

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| | Learn more |
| | The device operates in **Night mode**.<br>Learn more |
| | The microSD card is not installed. |
| | The microSD card is installed. |
| | Malfunction of the microSD card is detected. Formatting the microSD card is recommended. |
| | The microSD card is being formatted. |
| | The new firmware version is available. |
| Updating | Firmware update is in progress: downloading/installing the latest version. |
| | An error was detected during the firmware update. |
| Offline | The device has lost connection with the Ajax Cloud server. |
| ONVIF | The device connection via ONVIF is enabled.<br>Learn more |
| | There is no access to view the device's video. |

## States

The states display information about the device and its operating parameters. You can find out about the states of the camera in Ajax apps:

1. Select a space in the Ajax app.
2. Go to the **Devices** tab.
3. Select **DomeCam Mini** from the list of devices. If DomeCam Mini is connected to the video recorder, select **NVR** and then tap **Cameras**.

| Parameter | Meaning |
| --- | --- |
| Extra services | The field is available in Ajax PRO apps and displayed when extra services are available or activated for the device according to the subscription.<br><br>Tapping on the field shows the information about assigned services and contacts of the company providing these services.<br><br>Learn more |
| Malfunction | Tapping on ⓘ opens the list of device malfunctions.<br><br>The field is displayed only if a malfunction is detected. |
| Firmware update | The field is displayed when the firmware update is available:<br><br>• **New firmware version available** — the new firmware is available for download and installation.<br><br>• **Downloading…** — firmware downloading is in progress. It is displayed as a percentage.<br><br>• **Installing…** — the firmware is being installed.<br><br>• **Failed to update firmware** — the new firmware could not be installed.<br><br>Tapping on ⓘ opens more information about the device's firmware update. |
| Connection | The camera connection status to the internet via Ethernet:<br><br>• **Online** — the camera is connected to the network. Normal state. |

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| | • **Offline** — the camera is not connected to the network. Please check your wired internet connection.<br><br>Tapping the icon ⓘ displays the network parameters. |
| Connection to NVR | Displayed when the camera is connected to NVR.<br><br>The camera connection status to NVR:<br><br>• **Online** — the camera is connected to the network via NVR. Normal state.<br><br>• **Offline** — the camera is not connected to the network via NVR. Please check your wired internet connection.<br><br>Tapping the icon ⓘ displays the network parameters. |
| Storage location | Displays the list of storage devices connected to the camera:<br><br>• **Memory card** — data is recorded on a memory card (not included) installed in the camera.<br><br>• **NVR hard drive** — data is recorded on the NVR hard disk.<br><br>Tapping the icon ⓘ displays the recording mode and storage settings. |
| Memory card | The memory card connection status to the camera:<br><br>• **OK** — the memory card is communicating with the camera. Normal state.<br><br>• **Error** — there is an error in the memory card operation. Check details by tapping the icon |

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| | ⓘ. Follow the instructions provided in the app.<br><br>• **Not installed** — the memory card is not installed in the camera.<br><br>• **Requires formatting** — the memory card formatting is recommended. If the memory card contains data, it will be permanently deleted.<br><br>• **Works with errors** — the memory card has issues. Press the reset camera button or format the memory card.<br><br>• **Formatting…** — the memory card is being formatted. |
| Resolution | The current camera resolution. |
| Frame rate | The current camera frame rate. |
| Bit rate | The current camera bit rate. |
| Video codec | The current video codec:<br><br>• **H.265**<br><br>• **H.264** |
| Motion detection | The **Motion detection** function status:<br><br>• **On**<br><br>• **Off** |

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| Object detection | The **Object detection** function settings:<br><br>• **Human**<br>• **Pet**<br>• **Vehicle**<br>• **Off** |
| Uptime | The camera's operating time since the last reboot. |
| ONVIF integration | Shows the current status of the device's ONVIF integration.<br><br>This state is displayed only when ONVIF integration is enabled. |
| Permissions to view (in progress) | Displays the number of users who have access to view video from the camera.<br><br>Tapping the icon ⓘ displays the list of users, installers, and companies with access under certain conditions.<br><br>Learn more |
| **Alarm response** | |
| Operating mode | Shows how the device reacts to alarms:<br><br>• **Independent alarm** — the device reacts to a threat according to its settings and doesn't trigger other devices.<br>• **Instant alarm** — the armed device immediately reacts to a threat and raises the alarm.<br>• **Entry/Exit** — when a delay is set, the armed device starts the countdown and doesn't raise the alarm even if triggered until the countdown ends. |

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| | • **Follower** — the device inherits the delays from **Entry/Exit** devices. However, when the **Follower** is triggered individually, it immediately raises the alarm. |
| Delay when entering | Delay when entering (alarm activation delay) is the time the user has to disarm the security system after entering the premises.<br><br>Learn more |
| Delay when leaving | Delay when leaving (arming delay) is the time the user has to leave the premises after arming.<br><br>Learn more |
| Arm in Night mode | When this option is enabled, the device will enter the armed mode when the system is set to **Night mode**.<br><br>Learn more |
| Night mode delay when entering | Entry delay time in **Night mode**. Delay when entering (alarm activation delay) is the time the user has to disarm the security system after entering the premises.<br><br>Learn more |
| Night mode delay when leaving | Exit delay time in **Night mode**. Delay when leaving (arming delay) is the time the user has to leave the premises after arming.<br><br>Learn more |
| Firmware | Firmware version of the camera. |
| ID | DomeCam Mini ID/Serial Number. Also available on the QR code on the camera enclosure and its package box. |

## Settings

To change camera settings, in an Ajax app:

1. Go to the **Devices** tab.
2. Select **DomeCam Mini** from the list. If DomeCam Mini is connected to the video recorder, select **NVR** and tap **Cameras**.
3. Go to **Settings** by tapping on the gear icon .
4. Set the required parameters.
5. Tap **Back** to save the new settings.

> An Ajax system enables PROs to apply multiple preconfigured settings to multiple video devices simultaneously via setting templates.
>
> Learn more about settings templates

| Settings | Value |
|---|---|
| Name | Camera name. Displayed in the list of devices, SMS text, and notifications in the events feed.<br><br>To change the camera name, tap on the text field.<br><br>The name can contain up to 12 Cyrillic characters or up to 24 Latin characters. |
| Room | Selection of the camera virtual room.<br><br>The room name is displayed in SMS text and notifications in the events feed. |
| Recording preferences | Selection of the **Recording mode** for each storage device: |

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| | • **On detection or scenario**<br>• **Continuous**<br>• **Never**<br><br>Selection of the armed mode when the camera records video:<br><br>• **When armed**<br>• **Always** |
| Notifications from camera detectors | Opens a menu with **Notifications from camera detectors** settings.<br><br>Learn more |
| Detection | Opens a menu with **Detection** settings.<br><br>Learn more |
| Video stream | Settings for mainstream and substream parameters.<br><br>Learn more |
| Image | Settings for camera image quality.<br><br>Learn more |
| Audio | Settings for audio capture and playback.<br><br>• **Audio capture and playback** — turn on to watch and record videos with audio.<br>• **Audio codec**.<br>• **Bit rate**.<br>• **Sample rate**. |

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| | • **Microphone gain** — configure the microphone sensitivity level based on the installation location. |
| Privacy zones | Allows the user to select zones that are not displayed on the camera video. Instead, the user sees a black rectangle.<br><br>Learn more |
| Firmware update | Allows the user to check for a new firmware version and download it. |
| Connection | The setting for selecting the camera's connection type to Ajax Cloud service via Ethernet.<br><br>Available connection types:<br><br>• **DHCP**<br><br>• **Static** |
| Memory card | Selection of the maximum archive depth. It can be set in the range of 1 to 360 days or can be unlimited.<br><br>Allows the user to format the memory card. |
| Monitoring | The setting is available in Ajax Pro apps.<br><br>Allows a PRO with rights to configure the system to set up:<br><br>• **Zone number for CMS events** — unique identifier of the device in events it reports to CMS. |

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| | • **Send events on detections to CMS** — whether the device will send notifications on motion or object detection to CMS. |
| Service | Opens a menu with **Service** settings.<br><br>Learn more |
| Report a problem | Allows the user to describe a problem and send a report. |
| User manual | Opens the camera user manual. |
| Unpair from NVR | Unpairs the device from the NVR to which it was paired.<br><br>The option is available if the device is paired with NVR. |
| Delete device | Erases all device settings and deletes the device from the space. Also, it unpairs the device from the NVR if such connection is set up. |

## Notifications from camera detectors

| Settings | Meaning |
|---|---|
| Notify if detected | The user can select the type of object or motion, and when it's recognized, a notification is received and sirens are activated:<br><br>• **Human**<br><br>• **Pet**<br><br>• **Vehicle**<br><br>• **Any motion (by frame analysis)** |

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| | You can configure each event type with one of the following alert options: **Regular notification** or **Alarm**. The selected option determines the event color in the notifications feed and the alert type on the phone.<br><br>Note that the corresponding types of object or motion should be enabled in the **Detection** settings.<br><br>To specify whether motion detection should activate the sirens, tap on the required type of object or motion and enable the **Activate sirens upon detection** option.<br><br>The feature is available when the camera and at least one siren are added to an Ajax hub with OS Malevich 2.31 and later versions.<br><br>Note that the camera and the hub must be online at the moment of motion detection so the system can activate the sirens.<br><br>Learn more |
| When to notify | Selection of the mode when the camera sends notifications:<br><br>• **When camera armed**<br><br>• **Always** |
| Interval in reporting similar events | Selecting the time interval in reporting similar events: from **30 seconds** to **8 hours**.<br><br>The default interval is **3 minutes**.<br><br>Selected time applies for each detection type separately and helps to avoid repeated informing of the same triggering reason. |

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| Duration of object detection for notification | Selecting how long an object should remain in the camera's field of view so the system sends a notification about the detected object. The available values are **Notify instantly** or **2**, **3**, **4**, or **5 seconds**.<br><br>The default time is **2 seconds**. |

## Detection settings

| Settings | Meaning |
|---|---|
| Motion detection | When the option is enabled, the camera detects motion using its built-in software. |
| Analyze image | The software algorithm of image analysis that is used for motion detection.<br><br>The option is available when **Motion detection** is enabled. |
| Motion detection settings | Opens a menu with motion detection settings:<br><br>• **Adjust activity zone** — defines the specific area within the field of view where the camera should detect motion.<br><br>• **Sensitivity threshold** — defines the device's sensitivity to the motion in the activity zone.<br><br>• **Area occupied by detectable objects** — specifies the size of the area in the camera's field of view that a moving object should occupy for the device to be triggered.<br><br>The option is available when **Motion detection** is enabled. |
| Object detection | When the option is enabled, the camera identifies the type of moving objects using a |

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| | built-in algorithm. In the video, people, pets, and vehicles are highlighted with colored rectangles. |
| Object detection settings | Opens the menu with object detection settings:<br><br>• **Adjust object detection zone** — defines the specific area within the field of view where the camera should identify the type of moving objects.<br><br>• **Human detection** — enables detection of people in the video.<br><br>• **Pet detection** — enables detection of pets in the video.<br><br>• **Vehicle detection** — enables detection of vehicles in the video.<br><br>• **Sensitivity threshold** — defines the accuracy of the object recognition. The setting is available for each object type.<br><br>The option is available when **Object detection** is enabled. |

## Video stream settings

Settings for mainstream and substream parameters.

| Settings | Value |
|---|---|
| **Mainstream** | |
| Video codec | Selecting the video compression standard:<br><br>• H.264<br><br>• H.265 |

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| Resolution | Selecting the mainstream resolution:<br>• 1024 × 576<br>• 1920 × 1080<br>• 2304 × 1296<br>• 2560 × 1440<br>• 2592 × 1944<br>• 2880 × 1620<br>• 2944 × 1656<br>• 3072 × 1728<br>• 3840 × 2160 |
| Frame rate | Selecting the frame rate: from 3 to 25 with an increment of 1 frame/s. |
| Bit rate type | Selecting the bit rate type:<br>• **Variable (VBR)**<br>• **Constant (CBR)** |
| Bit rate | Setting the bit rate in kbit/s. |
| GOP length | Selecting the GOP length: from 1 to 250 with an increment of 1 frame. |
| VBR quality / CBR quality | Selecting the compression quality: from 0 to 100 with an increment of 1. |
| **Substream** | |

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| Video codec | Selecting the video compression standard:<br>• H.264<br>• H.265 |
| Resolution | Selecting the substream resolution:<br>• 720 × 480<br>• 720 × 576<br>• 1024 × 576 |
| Frame rate | Selecting the frame rate from 3 to 25 with an increment of 1 frame/s. |
| Bit rate type | Selecting the bit rate type:<br>• **Variable (VBR)**<br>• **Constant (CBR)** |
| Bit rate | Setting the bit rate in kbit/s. |
| GOP length | Selecting the GOP length: from 1 to 250 with an increment of 1 frame. |
| VBR quality / CBR quality | Selecting the compression quality: from 0 to 100 with an increment of 1. |

## Image settings

Settings for camera image quality.

| **Settings** | **Value** |
|---|---|
| Image settings | Selecting image settings mode:<br>• **General** — applies a single set of image parameters to all lighting conditions. |

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| | • **Scene-specific** — allows configuration of image parameters separately for specific lighting conditions.<br><br>Learn more |
| Capturing mode | Selecting specific settings for each scene and video capturing conditions:<br><br>• **Day**<br><br>• **Night (IR light)**<br><br>You can configure the image brightness, color saturation, sharpness, and contrast for each video capturing condition.<br><br>For the **Scene-specific** image settings only. |
| Vivid mode: Color intensity style | Turning display settings for a warmer, brighter, and richer image beyond the natural tone. |
| Brightness | Adjusting the image brightness. |
| Color saturation | Adjusting the image color saturation. |
| Sharpness | Adjusting the image sharpness. |
| Contrast | Adjusting the image contrast. |
| Wide dynamic range (WDR) | Enabling or disabling the WDR.<br><br>When WDR is enabled, it helps to enhance the camera images, with too dark or bright areas. |
| Lighting stabilization | Adjusting the exposure:<br><br>• **1–2.9** — adjusting WDR levels;<br><br>• **3–5** — activating and adjusting HDR levels.<br><br>This setting is available if **Wide dynamic range (WDR)** is enabled. |
| Day/Night mode | Selecting the camera vision mode depending on the light conditions: |

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| | • **Day** — IR backlight is always off;<br>• **Night** — IR backlight is always on;<br>• **Auto** — IR backlight automatically switches according to the **Mode switching conditions** settings. |
| Mode switching conditions | Selecting the lighting threshold for switching between the day and night mode:<br>• **Later to Night / Earlier to Day.**<br>• **Medium.**<br>• **Earlier to Night / Later to Day.**<br>This setting is available if **Day/Night mode** is set to **Auto**. |
| Scene illumination | Selecting the scene illumination mode:<br>• **Disabled** — the camera does not use any built-in illumination. The mode is suitable for well-lit areas or when external lighting is used.<br>• **Infrared light** — the camera uses IR illumination to capture black-and-white images in low-light conditions. IR light is invisible to the human eye and does not attract attention. |
| Infrared illumination (IR) mode | Adjusting the intensity of the IR backlight:<br>• **Auto**<br>• **Custom**<br>The setting is used to capture clear black-and-white images at night or in low light and ensures visibility using IR LEDs when conventional lighting is ineffective.<br>This setting is available if **Scene illumination** is set to **Infrared light**. |

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| IR intensity | Adjusting the IR backlight intensity.<br><br>This setting is available if **Infrared illumination (IR) mode** is set to **Custom**. |
| Image rotation | Selecting whether to rotate the image:<br><br>• **Default view** — the image is not rotated.<br><br>• **180°** — the image is rotated by 180°. This parameter is recommended for devices that have an inverted or upside-down image due to installation specifics. |
| Set exposure based on | Selecting the frame area on which the exposure is based on:<br><br>• **Entire frame**<br><br>• **Frame's center**<br><br>• **Frame's top**<br><br>• **Frame's right**<br><br>• **Frame's bottom**<br><br>• **Frame's left** |
| Exposure mode | Selecting the exposure mode:<br><br>• **Auto**<br><br>• **Manual setup** |
| Image preferences | Adjusting the shutter speed for less motion blur or for less noise in the image.<br><br>This setting is available if **Exposure mode** is set to **Auto**. |
| Shutter speed | Selecting the shutter speed to ensure correct exposure for the image. |

| | |
|---|---|
| | This setting is available if **Exposure mode** is set to **Manual setup**. |
| Exposure compensation | Ability to override automatic exposure settings to manually control the image brightness. |
| Noise reduction | Enabling or disabling the noise reduction. |
| Parameter value | Adjusting the noise reduction level.<br><br>This setting is available if **Noise reduction** is enabled. |
| Anti-flicker (Power frequency) | Selecting the power grid frequency to reduce the image flickering. This setting is used if the camera is capturing the video in low-light conditions and lamps are flickering on the camera image with the power grid frequency. Available parameters:<br><br>• **50 Hz**<br><br>• **60 Hz**<br><br>• **Disabled** — anti-flicker is off. |

## Alarm response settings

| Setting | Meaning |
|---|---|
| Operating mode | Specify how this device will react to alarms:<br><br>• **Independent alarm** — the device reacts to a threat according to its settings and doesn't trigger other devices.<br><br>• **Instant alarm** — the armed device immediately reacts to a threat and raises the alarm.<br><br>• **Entry/Exit** — when a delay is set, the armed device starts the countdown and doesn't |

| | |
|---|---|
| | raise the alarm even if triggered until the countdown ends.<br><br>• **Follower** — the device inherits the delays from **Entry/Exit** devices. However, when the **Follower** is triggered individually, it immediately raises the alarm. |
| Delay when entering | Selecting delay time when entering: 5 to 255 s.<br><br>Delay when entering (alarm activation delay) is the time the user has to disarm the security system after entering the premises.<br><br>Learn more |
| Delay when leaving | Selecting delay time when leaving: 5 to 255 s.<br><br>Delay when leaving (arming delay) is the time the user has to leave the premises after arming.<br><br>Learn more |
| Arm in Night mode | When enabled, the device switches to the armed mode when the system is set to **Night mode**.<br><br>Learn more |
| Night mode delay when entering | Delay time when entering in **Night mode**.<br><br>Delay when entering (alarm activation delay) is the time the user has to disarm the security system after entering the premises.<br><br>Learn more |

| | |
|---|---|
| Night mode delay when leaving | Delay time when leaving in **Night mode**.<br><br>Delay when leaving (arming delay) is the time the user has to leave the premises after arming.<br><br>Learn more |
| Night mode delay | Delay time in **Night mode**: 5 to 255 seconds.<br><br>It is the time the user has to disable **Night mode** (alarm activation delay) after the Entry/Exit detector is triggered.<br><br>The setting is displayed if the device is set to the **Follower** operating mode and the **Arm in Night mode** option is enabled.<br><br>Learn more |

## Service settings

| Settings | Meaning |
|---|---|
| Time zone | Time zone selection.<br><br>Set by the user and is displayed when viewing video from IP cameras. |
| Connection via ONVIF | Configuring the device's connection via ONVIF to third-party VMSs.<br><br>Learn more |
| Security certificates | Allows you to download built-in cloud certificates for secure HTTPS integration with third-party systems via ONVIF. |
| **Server connection** | |

| | |
|---|---|
| Delay of cloud connection loss alarm, sec | The delay helps to reduce the risk of a false event about the lost connection with the server.<br><br>The delay can be set in the range of 30 to 600 seconds. |
| Cloud polling interval, sec | The frequency of polling the Ajax Cloud server is set in the range of 30 to 300 seconds.<br><br>The shorter the interval, the faster the cloud connection loss will be detected. |
| Get notified of server connection loss without alarm | When the toggle is enabled, the system notifies users about server connection loss using a standard notification sound instead of a siren alert. |

## Indication

The green LED indicator is placed on the camera enclosure.

| Event | Indication | Note |
|---|---|---|
| The camera has power. | Lights up green. | |

## Malfunction

When a malfunction is detected, the Ajax app displays a malfunction counter on the device icon. All malfunctions are indicated in the camera **States**. Fields with malfunctions will be highlighted in red.

**A malfunction is displayed if:**

- The camera lost connection with the server.

- The camera memory storage device has a malfunction. Press the camera reset button or format the memory storage device in the camera settings.
- Memory storage device needs formatting. Format the memory storage device in the camera settings.

## Maintenance

Regularly check the functioning of the camera. If you notice any image degradation, loss of clarity, or darkening, check the camera for dirt. Clean the device's enclosure to remove dust, cobwebs, and other contaminants as they emerge. Use soft, dry wipes suitable for cleaning electronic equipment.

Avoid using substances that contain alcohol, acetone, petrol, and other aggressive solvents when cleaning the camera. Wipe the lens gently: scratches can result in poor-quality images and camera failure.

Ensure that the camera is stored and operates in an environment that meets the specified **operating parameters**.

## Preventing the lens from fogging

The camera lens may fog up if its enclosure is disassembled under unsuitable conditions (e.g., when adjusting the lens field of view, installing a microSD card, etc.).

To prevent the camera lens from fogging:

- Do not disassemble the camera enclosure outdoors in high humidity (e.g., during rain, drizzle, mist, etc.).
- When installing the camera outdoors, avoid sudden changes in ambient temperature and humidity.
- Prevent the camera from any contact with water until installation is complete.

- When assembling the camera enclosure, tighten screws securely to ensure the enclosure is tight.

Ajax cameras contain desiccants inside, but it may take a few days to absorb excess humidity. If the camera lens remains fogged for more than a week, check the enclosure's tightness or contact **Ajax Technical Support**.

## Technical specifications

**Technical specifications for DomeCam Mini (5 Mp/2.8 mm)**

**Technical specifications for DomeCam Mini (5 Mp/4 mm)**

**Technical specifications for DomeCam Mini (8 Mp/2.8 mm)**

**Technical specifications for DomeCam Mini (8 Mp/4 mm)**

**Compliance with standards**

## Warranty

Warranty for the Limited Liability Company "Ajax Systems Manufacturing" products is valid for 2 years after the date of purchase.

If you encounter any issues with the device's functionality, we recommend contacting Ajax Technical Support first. In most cases, technical issues can be resolved remotely.

**Warranty obligations**

**User Agreement**

**Contact Technical Support:**

- Email
- Telegram

Manufactured by “AS Manufacturing” LLC