PARADOX

HD10

Alarm Verification Camera



INSTALLATION MANUAL

FW Version: V1.01.000

Introduction

The HD10 is a Paradox security camera designed for full integration with the Paradox X and M systems and supports cloud or local SD card recording. The HD10 will also report video links to central stations of alarms via VIPC20 or IPC 10. The camera features full HD resolution video, infrared or white night illumination, and two-way audio (HD10-SP). The HD10 connects to the Paradox M or X system through a PoE Ethernet connection.

Easy to install and built for outdoor or indoor use, the HD10 will provide many years of reliable service. configuration includes System event recording triggering, Detection zones, Illumination brightness and audio levels.

Note: *Estimated Monthly Capacity is based on 20-second recordings. Actual capacity may vary depending on recording duration and activity.*

Quick Installation- Experienced Installers

To install HD10:

1. Detach the wall mount bracket from the camera and secure it to the wall.
2. Route a PoE-powered Ethernet* cable through the bracket. If PoE switch is unavailable, use a PoE injector.
3. Insert the SD card and connect the Ethernet cable.
4. Attach the camera to the bracket and tighten the **Locking Ring** to secure it.
5. Pair the HD10 with the console (Using the BlueEye application):
    - Go to: **Hardware** > tap **Add Devices** > **Ethernet Devices Auto learn/Scan QR code or add devices manually** (by entering serial number).
      NOTE: *If the device is paired by scanning the QR code or entering the serial number before power-up, it appears as **Pending** in the BlueEye application. The device status in BlueEye changes to **Online** after power-up.*
6. Configure the HD10 (Using the BlueEye application):
    - Go to: **Hardware** > tap HD10 from the device list > enter the necessary details > **Save**.

    *Note: HD10 cameras require an Internet connection for streaming via the BlueEye app and must be connected to the same Ethernet network as the K70M keypads and control panel for local streaming to the K70M keypads.

Components of HD10



Fig-1



Fig-2

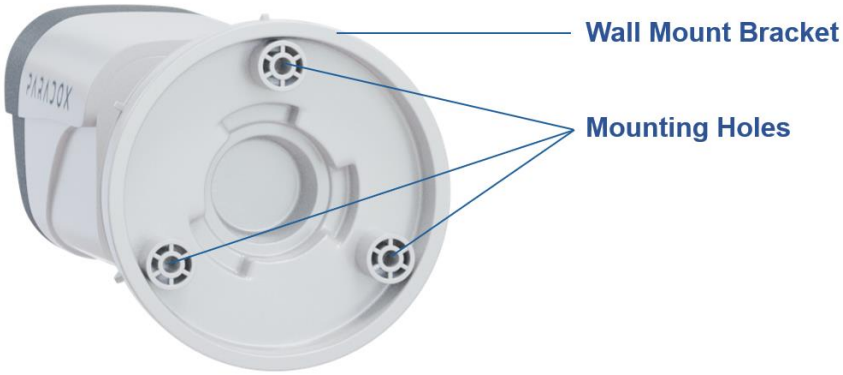


Fig-3

Physical Mounting

Important: *Mount the camera at a height of 8 to 10 ft (2.4 to 3 m) above the ground for optimal coverage and to reduce the risk of tampering.*

To mount the HD10 camera:

1. Turn the **Locking Ring** counterclockwise to detach the **Wall Mount Bracket** from the camera.
2. Route a PoE-supported Ethernet cable from the wall through the **Wall Mount Bracket**. If the Ethernet cable does not support PoE switch, use a PoE injector.
3. Secure the **Wall Mount Bracket** to the wall using three screws.
4. Insert the SD card.
    a. Loosen the screws on the SD card slot cover and remove the cover.
    b. Insert the SD card with the metallic contacts facing the back of the camera and secure the cover. *See **Fig 4**.*
5. Plug the RJ45 connector of the Ethernet cable into the camera before attaching the camera to the bracket. Ensure the cable is routed and secured properly. Use the RJ45 **Cable Grommet** to provide a sealed entry point.
   Note: *The grommet must be slit (cut) to fit over the Ethernet cable, as the RJ45 connector cannot pass through it. Ensure the grommet is properly positioned around the cable to maintain a sealed fit.*
6. Align the camera with the **Wall Mount Bracket** and tighten the **Locking Ring** clockwise to secure it in place.



Fig 4: SD Card Insertion

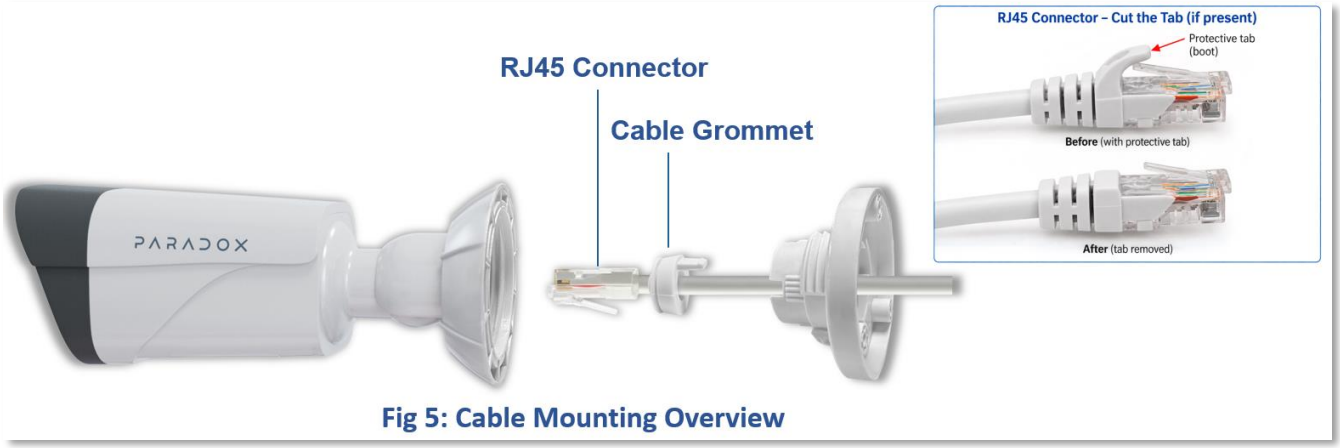


Fig 5: Cable Mounting Overview

Note: *If the RJ45 Ethernet connector has a protective plastic or rubber tab/boot covering the locking tab, carefully cut and remove only the protective portion above the locking tab before connecting the cable to the HD10. This provides easier access to the locking tab if the Ethernet cable needs to be disconnected. Do not cut or remove the RJ45 locking tab itself.*

Power-up Sequence

During power-up, the white LEDs blink three times to indicate initialization. A welcome tune also plays during this sequence.

Pairing HD10 with the Wireless M Console

The pairing and configuration settings of HD10 are managed through the BlueEye application.

Prerequisites

Ensure that:

1. The HD10 is connected to the same network as the console.
2. The BlueEye application is installed on your mobile and connected to the site.
3. The M console is powered on (Paradox logo color - white or green).

Pairing HD10

To pair the HD10 with the wireless console, by an installer:

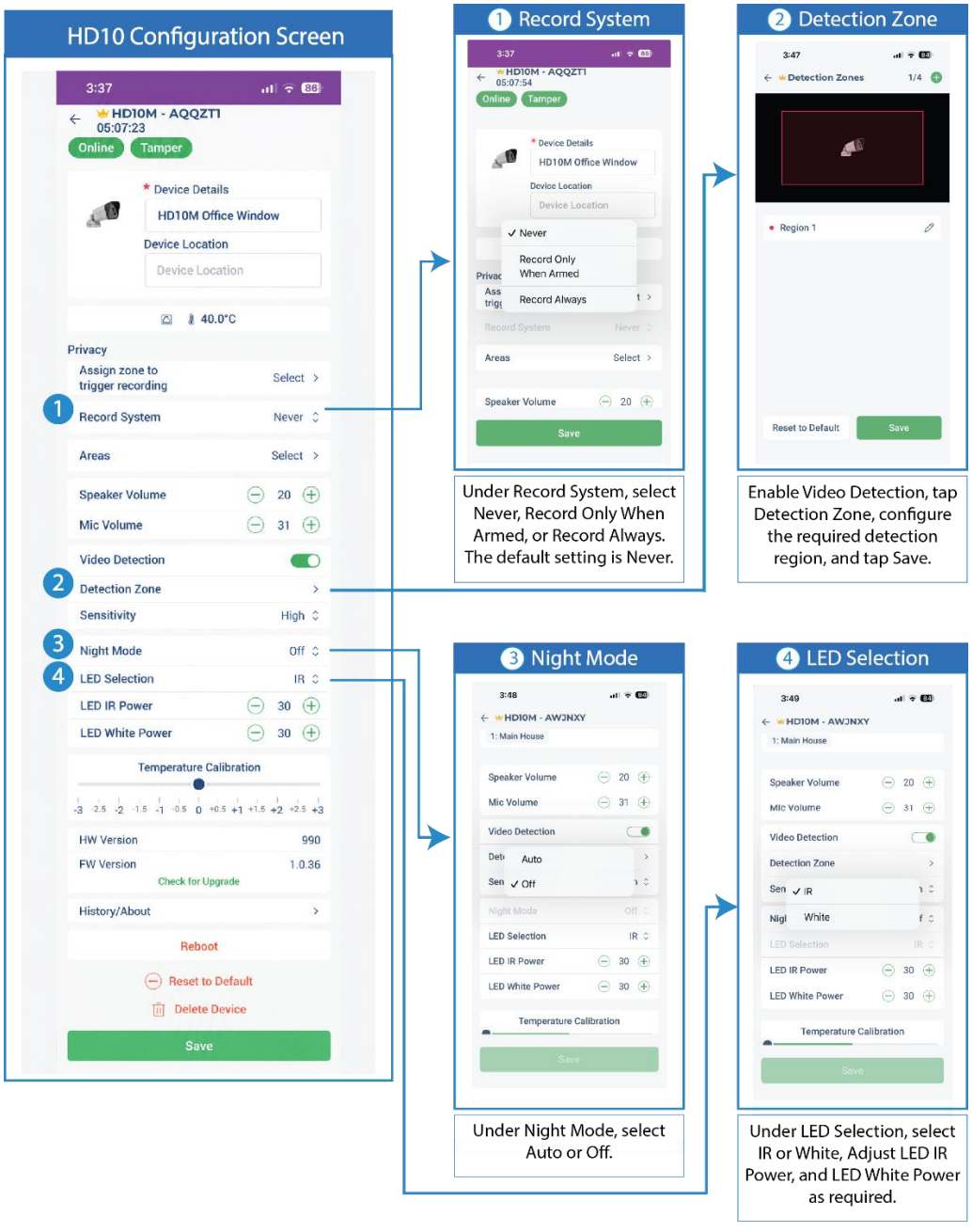
1. In BlueEye, when in the **Hardware** tab, tap **Add Devices**, and then tap **Ethernet Devices Auto learn**. The wireless console searches for new devices and a rotating radar icon is displayed. All unpaired devices pair within 6 minutes and appear at the top of the device list with a ***new*** tag and voice announcements.

Configuring the HD10

The HD10 camera settings can be configured from the Hardware tab. Settings include recording behavior, motion detection, audio levels, night illumination, temperature calibration, and device management.

To configure the HD10 settings:

1. In the **Hardware** tab, tap the **HD10** device.
2. Configure the required settings. Some settings open an additional screen or selection menu.
3. Tap **Save** to save the changes.
   For details about each parameter displayed on the page, see Table 1.



The following table lists the parameters displayed for configuring the HD10, along with their descriptions.

Table 1

Parameter	Description
Device Label	Enter a name for the camera.
Device Location	Enter the location of the camera, if required.
Assign Zone to Trigger Recording	Recording can be triggered by an external device from the M/X system. The activation of a zone (Door contact or motion detector) can initiate the recording. The user/installer should select from the devices of the system what device will initiate the trigger of the recording.
Record System	Select the camera records based on the system status: • Never (Default) • Record Only When Armed • Record Always
Speaker Volume	Adjust the camera speaker volume for two-way communication and camera audio.
Mic Volume	Adjust the sensitivity of the camera microphone to capture clear audio.
Video Movement Recording	Enable this option to allow the camera to detect motion or changes within the detection zone and trigger recording or alerts.
Beep on Detection	Once enabled, HD10 will beep upon detection. Default = Off, can be set for one hour, or permanent.
Detection Zone	Select the area within the camera's field of view where motion detection should be active.
Sensitivity	Select the detection sensitivity level: • Low • High
Night Mode	Select how the camera operates in low-light conditions. Select one of the following: • Auto • Off
LED Selection	Select the LED illumination used for night vision. • IR • White
LED IR Power	Adjust the brightness of the infrared LEDs.
LED White Power	Adjust the brightness of the white LEDs.
Temperature Calibration	Allows manual calibration of the device's reported temperature to match the actual ambient temperature.
Reset to Default	This will reset the device to the factory default settings. **NOTE**: *Only an installer can reset the device.*
Delete Device	This option deletes the device from the system completely. After deletion, the system generates a push notification only if the owner registration is complete, not during installation. **NOTE**: *Only an installer can delete the device.*

Recording and Cloud Storage

The HD10 records video locally to the installed microSD card. Recording can be triggered by:

- Motion detection
- Alarms
- Assigned inputs
- System arming states

When the microSD card usage reaches 80%, the camera automatically deletes the oldest recordings to free storage space. Cloud recordings can be viewed and downloaded using the BlueEye application.
Remote access and cloud-connected features are available through the SWAN cloud service and require an active subscription. The first camera registered at a site includes six months of free cloud recording. After the trial period, the following cloud storage subscription plans are available:

Plan	Estimated Monthly Capacity
10GB	Approximately 3300 recordings
20GB	Approximately 66000 recordings
40GB	Approximately 13300 recordings
80GB	Approximately 26000 recordings

Note: ***Estimated Monthly Capacity*** *is based on 20-second recordings. Actual capacity may vary depending on recording duration and activity.*

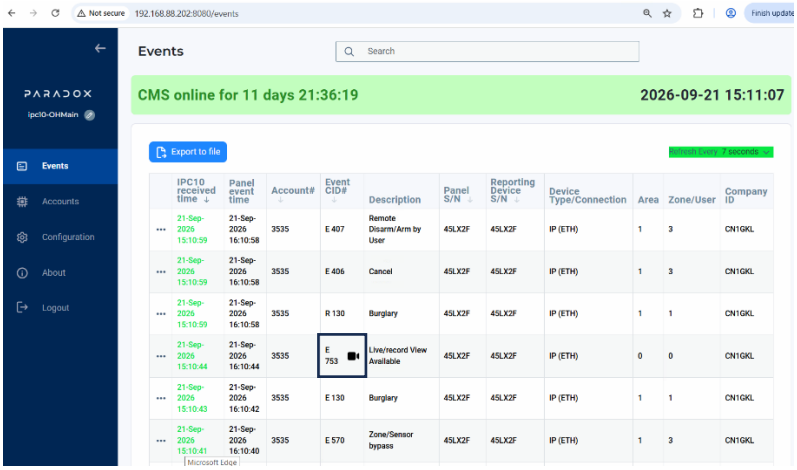
Cloud recordings are retained for 180 days and are automatically deleted after the retention period expires. An Installer and Owner can access the recordings.

Video Verification Using IPC10/VIPC20

An M/X system equipped with HD10 cameras and registered with an IPC10 or VIPC20 provides video verification following an alarm.

Upon an alarm:

1. The system reports the alarm to the IPC10/VIPC20.
2. An E753 – Live/Record View Available event is displayed in the IPC10/VIPC20 event list.
3. The operator can access all cameras in the system for 30 minutes.
4. The operator can view the video clip generated by the system by opening the link available in the IPC10/VIPC20. The link remains available for 30 minutes.



Resetting

To restore the device to factory defaults:

1. Insert a pin into the **Reset** buttonhole located below the SD card slot and press for 3 seconds.

Reset is indicated when the white LEDs blink.



Note: *If the device is already paired and online, delete the device first, then perform the reset on the device, and pair it again. Otherwise, the reset will have no effect.*

LED Indications

Refer to **Fig 1** for IR/White LED indicator.

Table 2

LED Indication	Event
Blinking white (3x)	Power-up sequence
Blinking white	Reset
Steady red	Camera Active

Upgrading Firmware

Ensure the camera remains powered and connected during the upgrade process.

To upgrade the firmware:

1. When in the **Hardware** tab, tap on the device from the list > **Check for Upgrade**.
2. If an upgrade is available, tap **Upgrade** when prompted.
   The process may take a few minutes. Keep track of the progress in the BlueEye application to ensure that the upgrade is completed successfully. Both the Installers and owners can perform the upgrade.

Important: *The firmware upgrade can be done only when the system is disarmed.*

Technical Specifications

The following table lists the technical specifications of HD10 along with their descriptions.
NOTE: *The specifications are subject to change without prior notice.*

Specification	Description
Power Input	Power over Ethernet (PoE), Type 1 (IEEE 802.3af)
Maximum Power Consumption	10 W
Micro SD Card Capacity	Up to 128 GB (minimum 16 GB recommended)
Alarm/Motion Recording Time	Alarm – Maximum 5 minutes Motion – Maximum 2 minutes
Image Sensor Type	CMOS
Angle of View	Horizontal: 108˚, Vertical: 60˚ Diagonal:127˚
Video Resolution	2 MP (1920 x 1080, Full HD)
Frames per second	12
Video Streaming	RTSP, RTP, H.264, MJPEG
Concurrent Streaming	Maximum 2 simultaneous user live streams per camera. Streams use P2P (peer-to-peer) whenever possible, with automatic fallback to cloud streaming when a P2P connection cannot be established. The limit remains 2 simultaneous user streams per camera, whether the streams use P2P, cloud fallback, or a combination of both. A third, independent stream is reserved for CMS and is available following an alarm condition.
Audio	G.711, OPUS
Installation Environment	Outdoor / Indoor
Firmware Upgrade	Remotely via Ethernet
Operating Temperature	-10° C to 40° C (14° F to 104° F)
Auto Learn	Yes
Colors	White
Dimensions	6.7W x 6.6 H x 14.6 L cm (2.6" W x 2.6" H x 5.7" L)
Weight	0.318kg

Certification	CE, FCC, IC, AU

Warranty

For complete warranty information on this product, see the Limited Warranty Statement document, or contact your local Paradox distributor.

Patents

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