

# Quick Installation

## MOBOTIX MOVE 12MP Vandal Hemispheric Analytics Indoor Camera

### Mx-VH1A-12-IR-VA

© 2024 MOBOTIX AG

#### NOTE!

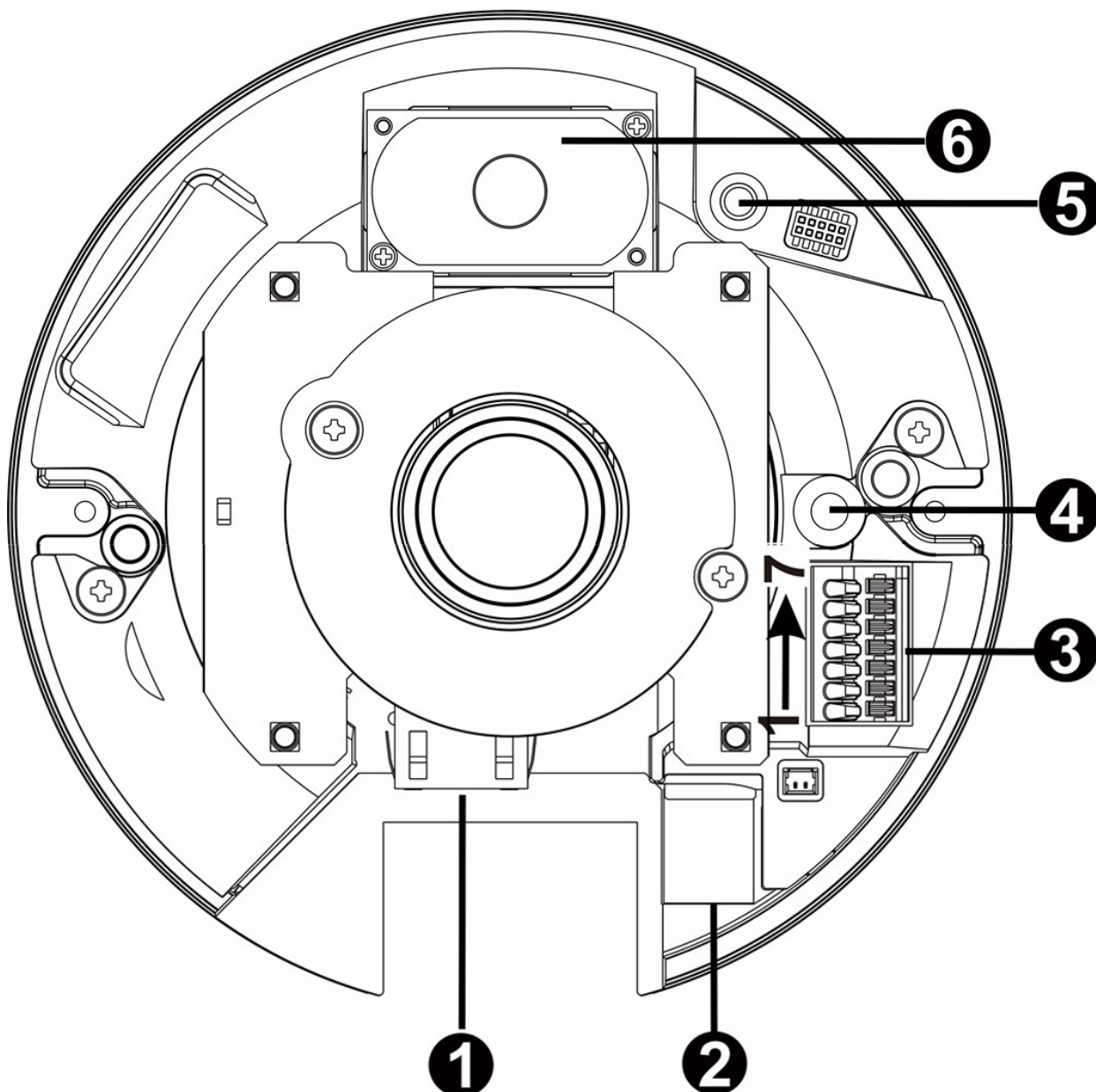
This guide is only valid for **installing and connecting** the 12MP Vandal Hemispheric Analytics Indoor Camera. For more information on the camera, please refer to the other documents (see [Further Reading, p. 8](#)).

#### Important Installation Notes

- This camera must be installed by qualified personnel and the installation should conform to all local codes.
- This product must not be used in locations exposed to the dangers of explosion.
- Do not look directly into the infra-red LEDs that may be active on the product.
- Do not use this product in a dusty environment.
- Protect this product from moisture or water entering the housing.
- Install this product as outlined in this document. A faulty installation can damage the product!
- Do not replace batteries of the camera. If a battery is replaced by an incorrect type, the battery can explode.
- This equipment is not suitable for use in locations where children are likely to be present.
- External power supplies must comply with the Limited Power Source (LPS) requirements and share the same power specifications with the camera.
- When using a Class I adapter, the power cord shall be connected to a socket-outlet with proper ground connection.
- To comply with the requirements of EN 50130-4 regarding the power supply of alarm systems for 24/7 operation, it is highly recommended to use an uninterruptible power supply (UPS) for backing up the power supply of this product.

**NOTE!** Observe the [MOBOTIX MOVE Installation Hints](#) document to ensure optimum performance of the camera features.

### Camera Connectors



No.	Connector	Pin	Definition	Remarks
1	RJ45	–	For network and PoE connections	
2	microSD Card Slot	–	Insert the microSD card into the card slot to store videos and snapshots. Do not remove the microSD card when the camera is powered on.	

No.	Connector	Pin	Definition	Remarks
3	Alarm & Audio I/O*	1	Alarm Out +	Alarm connection
		2	Alarm Out –	* Do NOT connect external power supply to the alarm I/O connector of the camera.
		3	Alarm In +	
		4	Alarm In –	
		5	GND	Ground connection
		6	Audio Out (Line Out)	Two-way audio transmission
		7	Audio In (Line In)	
4	Built-in Microphone	–	Audio In	
5	Reset Button	–	Press the button with a proper tool for at least 20 seconds to restore the system.	
6	Built-in Speaker	–	Audio Out	

**NOTE!**

To avoid audio quality degradation, do NOT connect built-in microphone and external audio-input device (via Line-in) at the same time. The same applies to the audio-output connection.

**NOTE!**

It is not recommended to record with the microSD card for 24/7 continuously, as it may not be able to support long term continuous data read/write. Contact the manufacturer of the microSD card for information regarding reliability and life expectancy.

## microSD Card Slot/Reset Button

**CAUTION!** Always power down the camera before performing the following steps!

### microSD Card Slot

**CAUTION!** Always power down the camera before performing the following steps!

Insert a microSD card into the card slot to store videos and snapshots.

### NOTE!

- It is not recommended to record with the microSD card for 24/7 continuously, as it may not be able to support long term continuous data read/write. Contact the manufacturer of the microSD card for information regarding the reliability and the life expectancy.
- Remember to format a new microSD card as shown in [Formatting Storage Media](#) below.

### Reset Button

Press the reset button with a proper tool for at least 20 seconds to restore the system.

## Camera Cabling

### Power Connection

Use an Ethernet cable and connect it to the RJ45 connector of the camera and a Power Sourcing Equipment (PSE) switch.

### NOTE!

If the device is powered over Ethernet, make sure the PSE is connected to the network.

### Ethernet Cable Connection

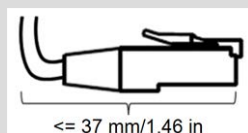
Connect one end of the Ethernet cable to the RJ-45 connector of the camera and plug the other end of the cable into the network switch or PC.

### NOTE!

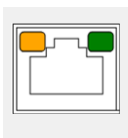
- The length of the Ethernet cable should not exceed 100 m/300 ft.
- Check the status of the link indicator and the activity indicator LEDs of the switch. If the LEDs are unlit, please check the LAN connection.
- In some cases, an Ethernet crossover cable may be needed when connecting the camera directly to the PC.

### NOTE!

The length of the Ethernet connector within the camera (as shown in the figure below) must not exceed 37 mm/1.46 in.



### Ethernet Connector LEDs



- Green **Link** LED indicates good network connection.
- Orange **Activity** LED flashes to indicate network activity.

**NOTE!** The ITE is to be connected only to PoE networks without routing to the outside plant or equivalent description.

### Accessing the Camera

The 12MP Vandal Hemispheric Analytics Indoor Camera supports all current browsers without requiring any additional plug-ins or add-ons (e.g. for H.264/H.265/MJPEG support).

#### Camera Login

The default IP address of the camera is: 10.x.x.x. By default, the camera starts as DHCP client and automatically tries to get an IP address from a DHCP server.

1. Enter the camera's IP address in the URL bar of the web browser and hit "Enter".
2. Enter the default username (**admin**) and password (**meinsm**).

**NOTE!** User names and passwords are case sensitive.

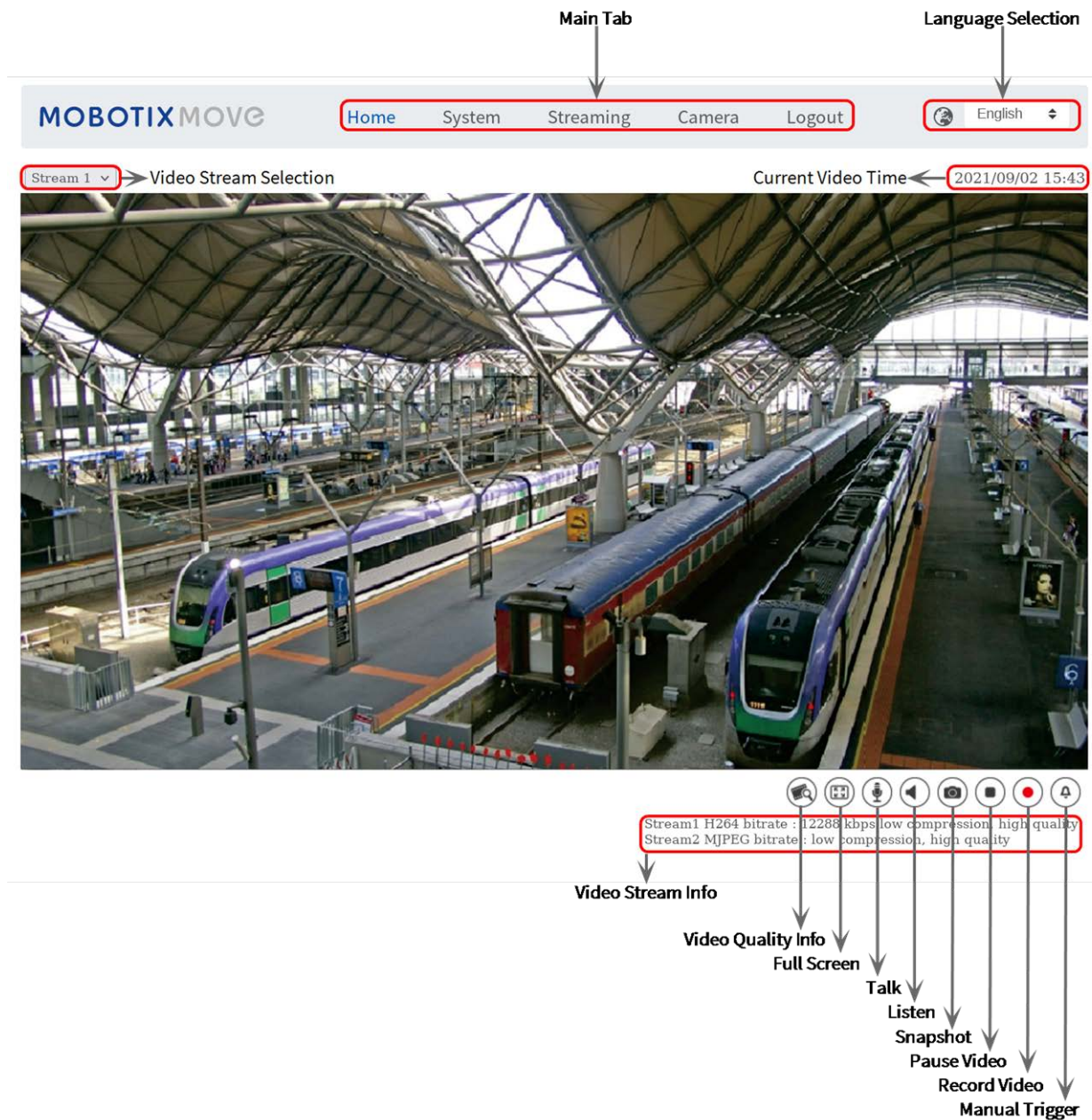
3. You will be prompted to set a new admin user password.

**NOTE!** The password can have between 6 and 14 characters (at least one digit, no special characters allowed).

4. After setting a new password, you will be prompted to log in again. Remember to use the new password.

### Browser-Based Viewer

The main page of the IP camera user interface is shown as the figure below. The function buttons vary depending on the camera model.



### Formatting Storage Media

After inserting a new or replacing a used storage medium, make sure to format the medium so the camera can use it to record video streams.

1. Connect to the camera.
2. Open **System > Storage Management > <storage media type>**.
3. In the **Device Setting** section, click on **Format** to start the formatting process.

Once formatting has finished, the camera can use the storage medium for recording.

### Camera Maintenance

It is recommended that you perform the following maintenance tasks at regular intervals to keep the 12MP Vandal Hemispheric Analytics Indoor Camera in good working condition:

- Clean the dome using plain water and a soft cloth.

**CAUTION!** Do not use any detergents or alcohol to prevent damaging the coating!

- Check the mounting and make sure that all screws are properly tightened to prevent the camera from falling down.
- When opening the camera, add a silica gel dry pack to prevent condensation on the inside of the dome.

## Further Reading

[Manuals and Quick Installation documents](#)



[Technical Specifications](#)



[MOBOTIX MOVE Installation Hints](#)





