TKH SECURITY PD950DC 5MP Network PTZ Dome with 40x Zoom User Guide

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40x Zoom User Guide

Find additional manuals, the datasheet, the EU Declaration of Conformity, and the latest firmware for this product at:**https://tkhsecurity.com/**

https://tkhsecurity.com/

Contents

Unpack

Camera Unit

M5 security screw with rubber

Quick Start Guide

Security Torx

1.5" threaded tube adapter

3-pin power terminal block (AC24V use)
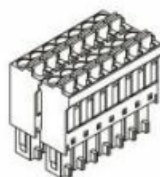
Grommet holder

RJ45 insertion tool

14-pin Alarm/Audio I/O terminal block

Grommet

Note 1: Subject to modification. Actual product and accessories may differ in appearance.

Installation Notices

⚠ **CAUTION:**
Installation shall be performed by qualified personnel only. Installation shall be in accordance with local procedures. If you use an external power supply, contact TKH Security to make sure that the power supply has the proper power specifications. Battery replacement shall not be applied in view of the risk of explosion. Make sure that the power supply complies with LPS requirements. When installing the camera, hook up the camera with the anti-drop chain of the pendant to the anti-drop ring (see figure 1). For more information, contact TKH Security.
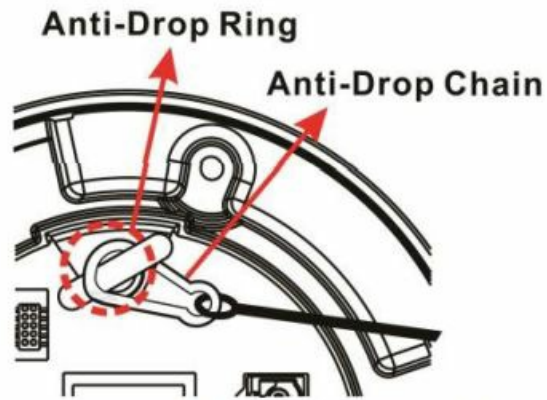
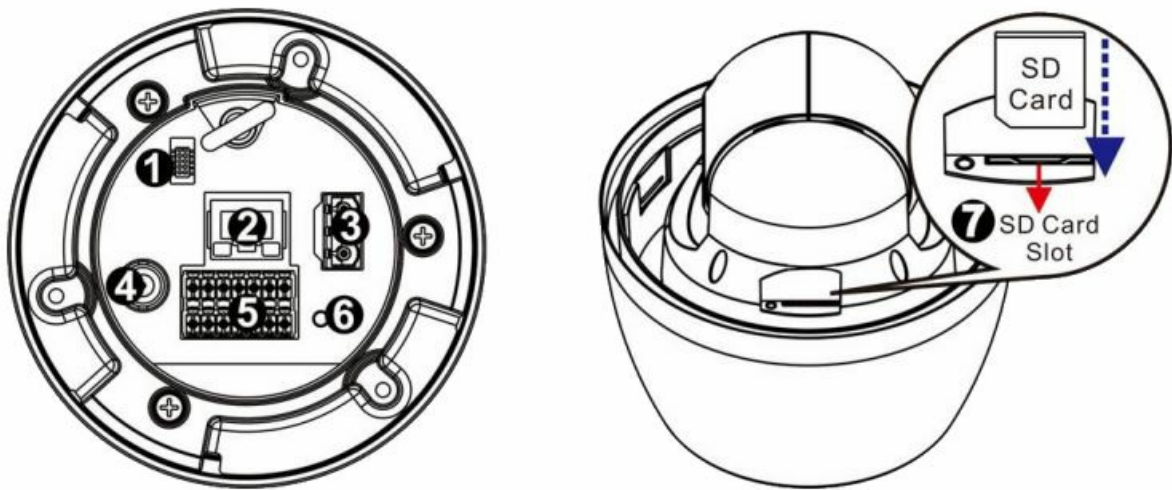Figure 1 Position anti-drop ring and anti-drop chain

Connectors

Figure 2 Camera Connectors

For the connector definitions, see table 1.

⚠ **NOTE:**
It is not recommended to continuously (24/7) record with the micro-SD card, as the camera may not support long-term continuous data read/write. Contact the manufacturer of the micro-SD card for information regarding the reliability and the life expectancy.
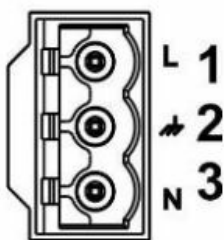
Connector Definition

No.	Connector	Definition
1	Console Connector	Reserved for manufacturer use
2	RJ-45 Port (Contact TKH Security for a compatible PoE injector.)	For network and PoE+ connections
3	Power (AC24V)	AC24V power connection
4	BNC	For analog video output
5	Audio/Alarm I/O & RS-485	Audio/Alarm I/O & RS-485 connection
6	Reset Button	Press the button with a proper tool for at least 20 seconds to restore the system.
7	SD Card Slot	Insert the SD card into the card slot to store videos and snapshots. Do not remove the SD card when the camera is powered on.

Table 1 Connector definitions
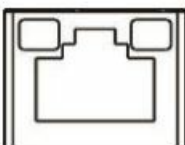
Camera Cabling

Power Connector (AC 24V)

Pin	Definition
1	AC24V L
2	GND
3	AC24V N

Table 3 Pin definition for AC24V power connection

⚠ **POWER RATING OF PD900**
24VAC, 50-60Hz or 50/60Hz, 0.67A shall be supplied by power adapter. 55VDC, 0.39A shall be supplied by "PoE".

PoE and Ethernet cable connection

☐ The green link LED is lit when there is a good network connection.
☐ The orange network LED flashes to indicate that there is network activity.

⚠ **NOTE:**
In some cases, an ethernet crossover cable may be needed when connecting the camera directly to the PC.
Check the status of the link indicator and the activity indicator LEDs. If the LEDs are unlit, check the LAN

connection.

⚠ **WARNING:**
For "PoE" input connection, use only with UL listed I.T.E. with "PoE" output. Description for the "PoE" is intended to be connected to not exposed (outside plant) networks or equivalent statement in installation instructions.

Audio/Alarm I/O and RS-485 connection

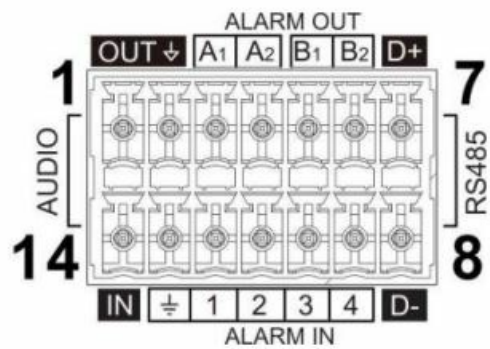See the diagram and the pin definitions below for the Audio/Alarm I/O and RS-485 connection.


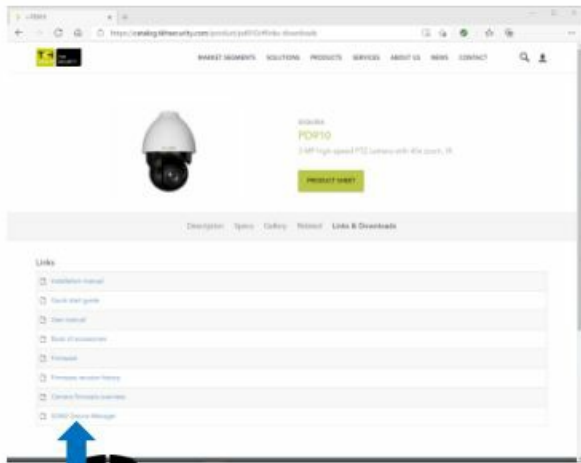Figure 3 Diagram of Audio/Alarm I/O and RS-485 connection pins

Pin	Definition	Pin	Definition
1	Audio Out	8	RS-485 D-
2	GND (Audio I/O)	9	Alarm In 4
3	Alarm Out A1	10	Alarm In 3
4	Alarm Out A2	11	Alarm In 2
5	Alarm Out B1	12	Alarm In 1
6	Alarm Out B2	13	GND (Alarm I/O and RS-485)
7	RS-485 D+	14	Audio In

Table 3 Pin definitions for Audio/Alarm I/O and RS-485 connection
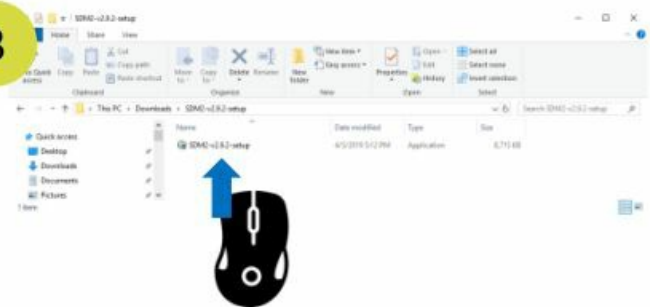
Accessing the camera

IP = 10.x.y.z

Network Switch

IP = 10.1.1.1
Netmask: 255.0.0.0

DHCP
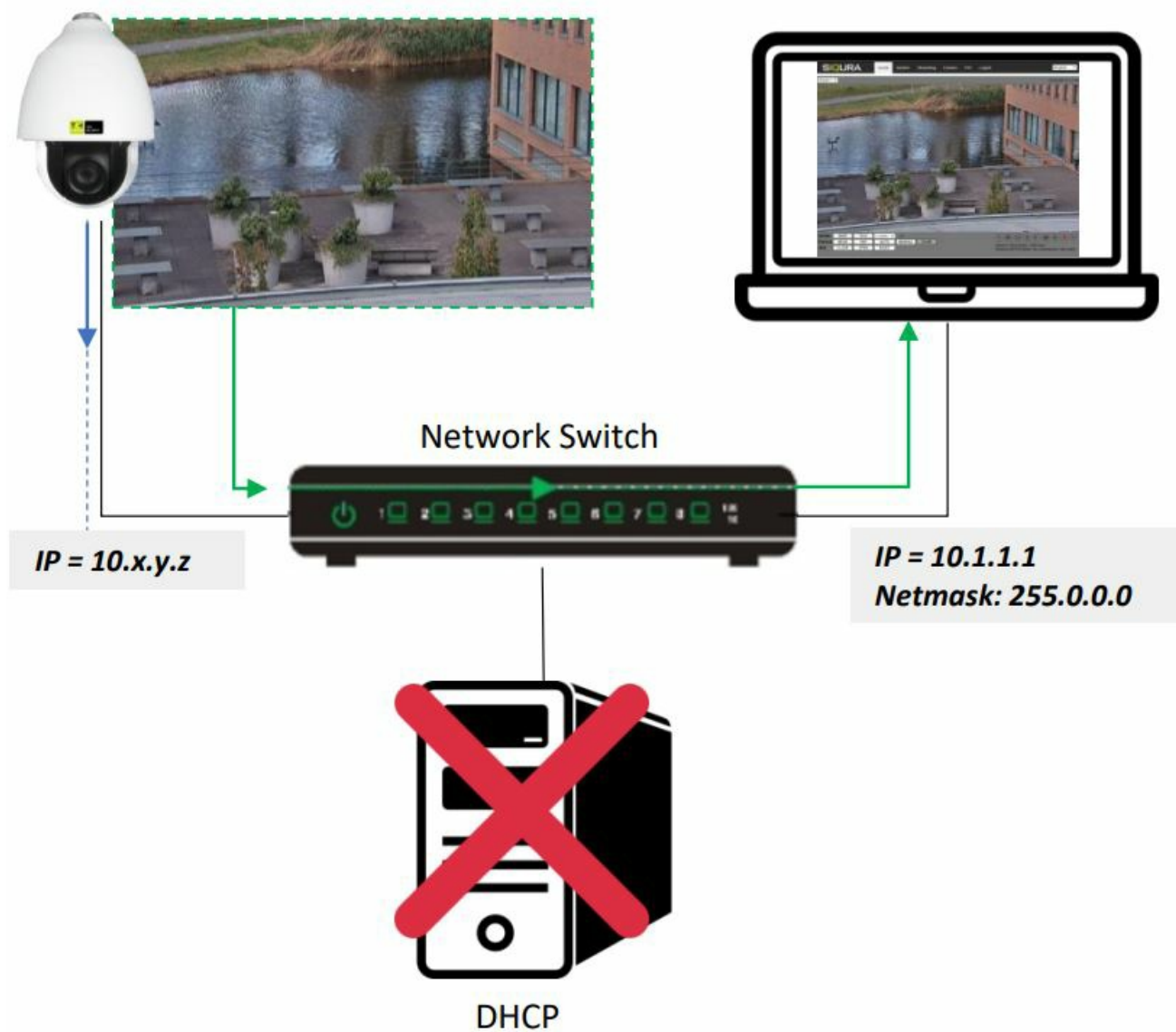
Auto detect with SDM2

SDM2-vx.xx-setup.zip

1

https://tkhsecurity.com/
Enter to the camera product page.

2

3

https://tkhsecurity.com/

1st time camera login

1

Admin
1234
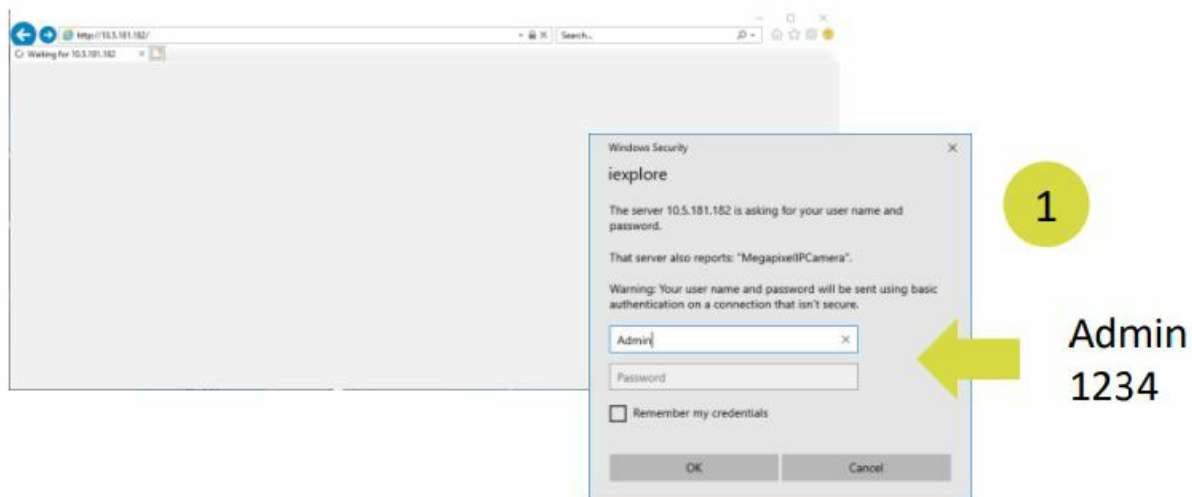
Set a strong password

2

qwer1234 ✗

x6W@oM0a!9#F ✓
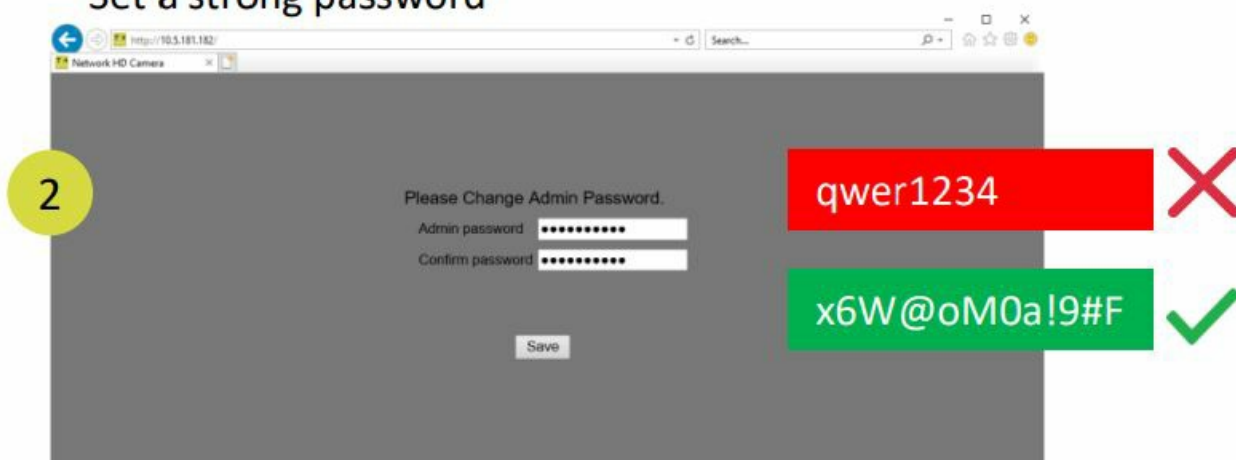
Install browser-based viewer

3

x6W@oM0a!9#F

This website wants to install the following add-on: 'install.cab' from 'Siqura B.V.'. What's the risk?   Install ×

4
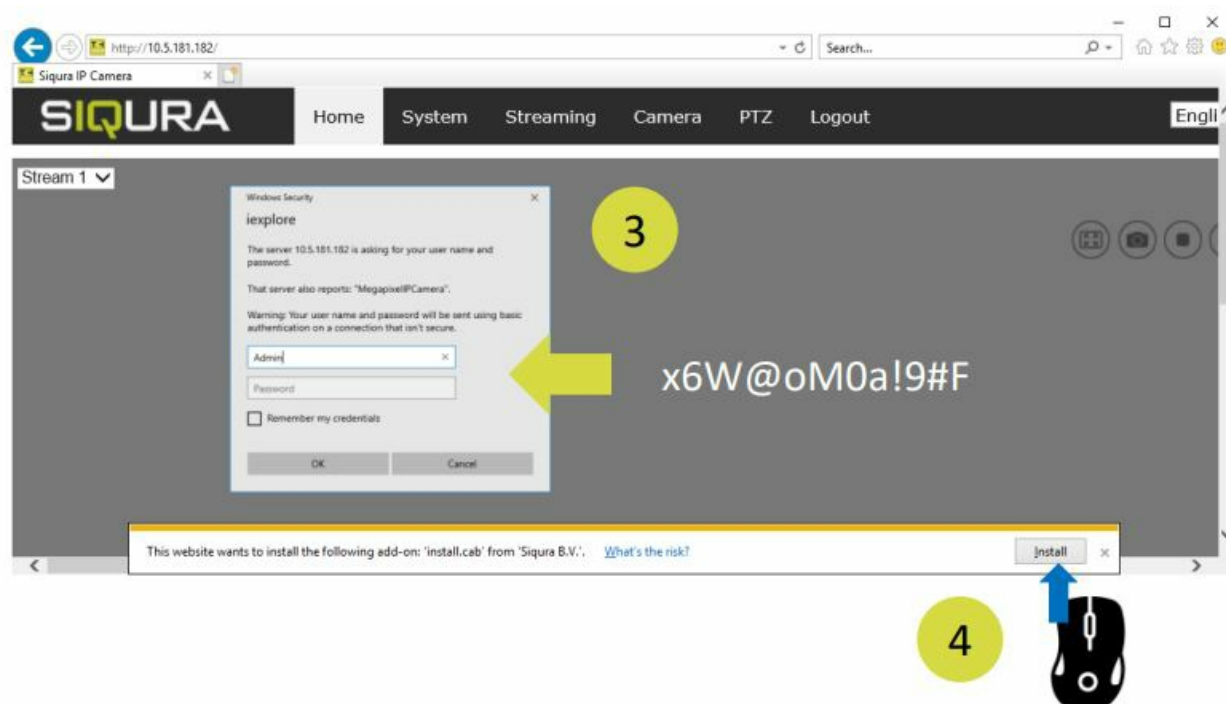
Browser-based Viewer

Figure 4 shows the main page of the IP camera user interface.
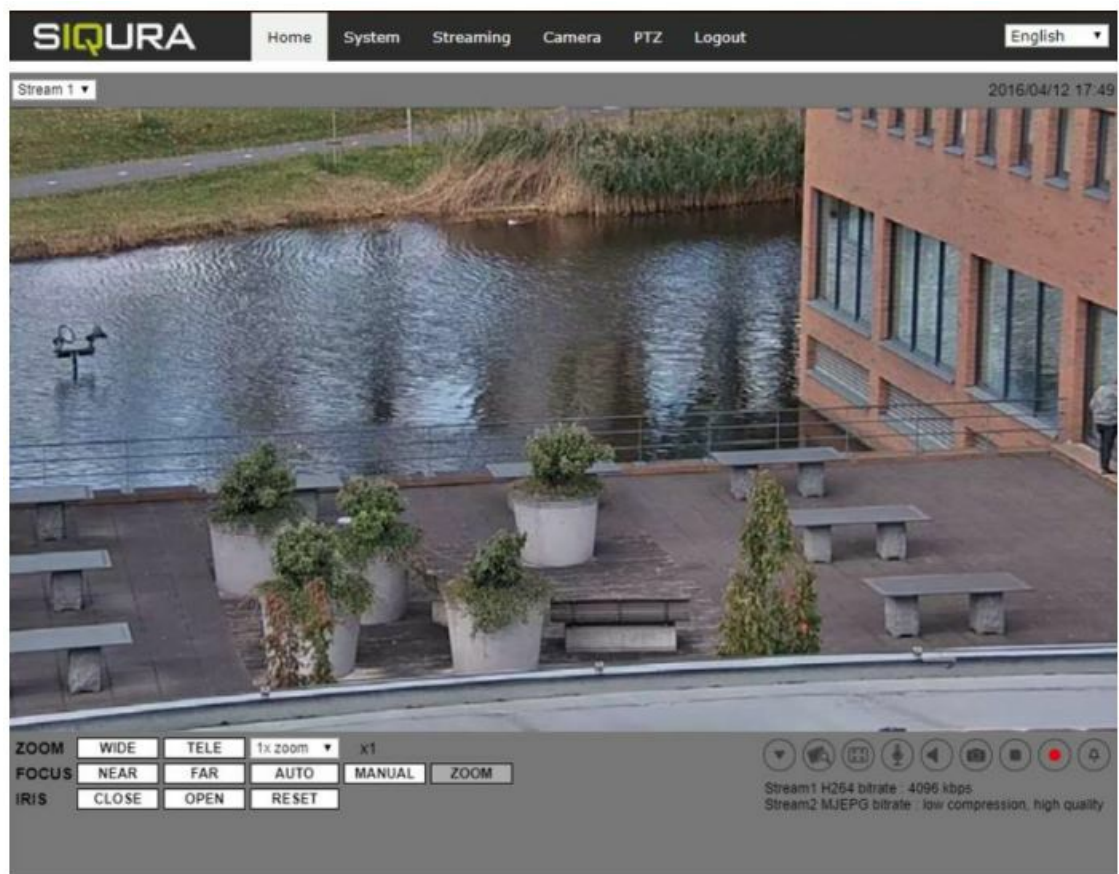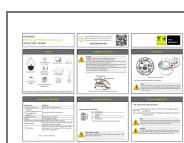

Figure 4 Main page IP camera user interface

Note 1: If the IE web interface is not showing video, you might need to open your firewall or set the OCX protocol to RTP-over-RTSP(TCP).

Documents / Resources

 TKH SECURITY PD950DC 5MP Network PTZ Dome with 40x Zoom [pdf] User Guide
PD950DC 5MP Network PTZ Dome with 40x Zoom, PD950DC, 5MP Network PTZ Dome with 4
0x Zoom, Network PTZ Dome with 40x Zoom, PTZ Dome with 40x Zoom, Dome with 40x Zoom
, 40x Zoom, Zoom

References

- 〉 **TKH Security - Home – TKH Security**
- **User Manual**