

# Siquira HSD620/622/626 & MSD620/622

IP PTZ dome with day/night and wide dynamic range

## Quick Start Guide



### Package contents

Figure 1 Outdoor camera package contents

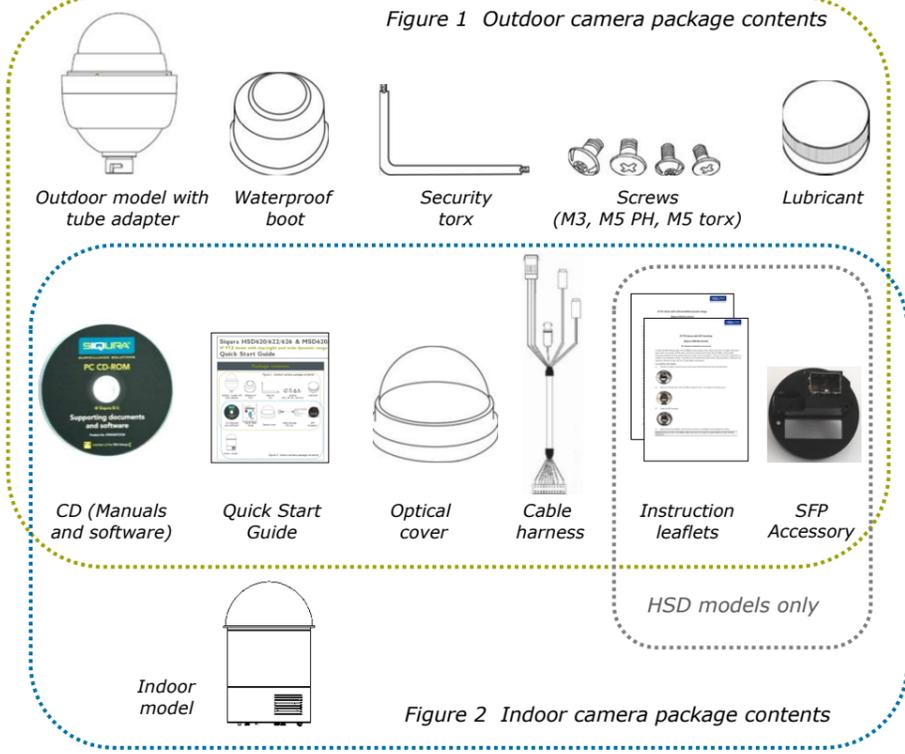


Figure 2 Indoor camera package contents

### Outdoor camera mounting requirements

Use one of two types of mounts to install an outdoor HSD62x/MSD62x on a wall.

- Siquira WM01A Mini Wall Mount
- Siquira WM07 Long Wall Mount



Figure 7 WM01A Mini Wall Mount



Figure 8 WM07 Long Wall Mount

The mini wall mount and the long wall mount can be installed onto a box mount if extra space for the cables is required.



Outdoor installation requires the following items:

- Dome camera
- Supplied waterproof boot
- Wall mount (optional accessory)
- Screws and screw anchors
- Screwdriver and drill

### Cabling overview

For operation, an HSD62x/MSD62x camera requires the following:

- A Cat 5 Ethernet cable with an RJ-45 connector - or (for /SFP models) - An SFP module as described in the XSNet™ SFP data sheet and fiber optic cable and connectors compatible with the chosen SFP module.
- A cable harness for power, analogue video, and audio transmissions, equipped with a 22-pin connector for connecting to the camera (table 1).

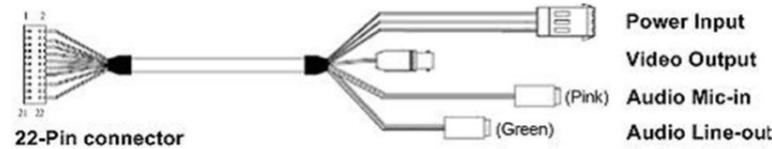


Figure 3 Cable harness components



Figure 4 Power input details

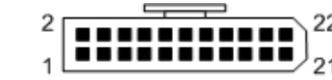


Figure 5 22-pin connector pins

#### RJ-45 connector LEDs

Green indicates a good network connection. Yellow verifies network activity.

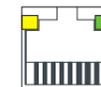


Figure 6 RJ-45 connector LEDs

### 22-Pin connector definition

Pin	Definition	Cable	Colour	Rating
1	AC 24-1/DC(+)	20/18 AWG	Red	
2	Alarm out, NC		White	Photo Relay output 300 V
3	AC 24-2/DC(-)	20/18 AWG	Black	
4	Alarm out, NO		White/black	Photo Relay output 300 V
5	FG	20/18 AWG	Yellow	
6	Alarm out, COM	24 AWG	Green/black	Photo Relay output 300 V
7	Audio in		Yellow/black	
8	Audio out		Orange/black	
9	Audio GND		Green/black	
10	Audio GND		Brown/black	
11	Isolated GND		Blue/white	
12	Alarm 1		Red/white	Input 5 V 10 kΩ pull up Photo Relay output 300V
13	Alarm 2		Purple	
14	Alarm 3		Gray	
15	Alarm 4		Blue	
16	Alarm 5		White/black	
17	Alarm 6		Orange/black	
18	Alarm 7		Purple/white	
19	Alarm 8		Gray/black	
20	Alarm GND		Brown/white	Input 5 V 10 kΩ pull up
21	Video GND	20 AWG	Black/gray	
22	Video		Red/gray	

Table 1 22-pin connector assignments

### Prepare outdoor camera for installation

To prepare the outdoor HSD62x/MSD62x for installation

1. Remove the outdoor tube adaptor by rotating counter clockwise (figure 9a).
2. Make a note of the IP address on the label attached to the cylindrical heat sink.
3. Remove the PE cloth and take off the lens cap.
4. Generously apply the supplied lubricant to the optical cover's waterproof boot to ensure an IP66 quality installation (figure 9b).
5. Loosen the screw head alignment pins on the dome cover by turning *clockwise* and line up the alignment pin and screws on the optical cover with the holes in the dome body.
6. Attach the optical cover to the dome body by pressing gently down on the sides of the dome cover (figure 9c).
7. Turn the screw head alignment pins *counter-clockwise* with a suitable screwdriver to lock the dome into place and secure the dome with the included Phillips-head or torx screw.



Figure 9a Remove outdoor tube adaptor



Figure 9b Lubricate optical cover's waterproof boot



Figure 9c Attach optical cover to dome body

### Install outdoor camera with wall mount

To mount the outdoor HSD62x/MSD62x with a wall mount

1. Make a hole in the wall or metal access plate for the cables and secure the supplied cable gland in the wall.
2. Ensure that the weather resistant gasket is correctly attached to the mount.
3. Thread the cables through the wall mount and screw it onto the wall.
4. Attach the waterproof boot to the wall mount.
5. Thread the cables through the outdoor tube adaptor and fix it to the wall mount with the supplied screws and washers.
6. Clip the safety wire to the dome camera.
7. To keep insects out, block the cable entry hole with the supplied sponge.
8. Connect the cables to the dome camera.
9. Attach the dome to the outdoor tube adaptor and fasten them together with the supplied screws.



Figure 10 Long wall mount



Figure 11 Mini wall mount



**Warning:** Fully torque down the mounting bolt that attaches the WM02 tube adaptor to the mounting bracket to prevent any movement of the camera due to wind, vibration, etc.

Make sure the camera cannot move at all in its bracket after installation. Any movement of the camera in its bracket can compromise positional accuracy.

## Indoor camera mounting requirements

### Indoor installation requires the following items:

- Dome camera
- CM04 Flush Mount (optional accessory)
- Decorative ring (supplied with flush mount)
- Screw (supplied with flush mount)
- Red sticker (supplied with flush mount)
- Tool for cutting a circular hole in the ceiling
- Screwdrivers (slotted and Phillips)



Figure 12 In-ceiling mounting

**Note:** Insert a ceiling panel prior to installing the dome camera to reinforce the ceiling's strength, if necessary. A ceiling panel may be needed, for example, when installing the dome camera in a suspended ceiling.

## Install indoor camera with flush mount

### To mount the HSD620/MSD620 with a flush mount

1. Detach the removable wing from the flush mount (figure 13a).
2. With the supplied screw, attach the separated wing to the dome body (figure 13b).
3. Place the red sticker on the ceiling and cut the circle out of the ceiling.
4. Insert the flush mount into the hole.
5. Rotate the flush mount's wings to fix the mount at the edge of the ceiling opening and tighten their screws (figure 13c).
6. Thread the cable harness and Ethernet cable through the centre hole of the flush mount and connect them to the dome body.
7. Mount the dome body into the bracket and rotate clockwise (figure 13d).
8. Tighten the fixing screw, to secure the dome body (figure 13e).
9. Detach the optical cover, if necessary, and attach the decorative ring to the mount.
10. Reattach the optical cover.



Figure 13a



Figure 13b



Figure 13c



Figure 13d

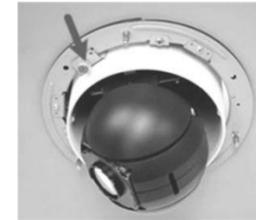
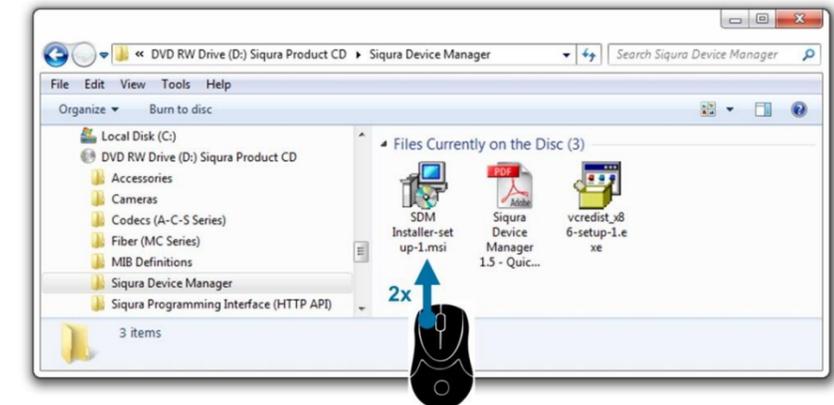


Figure 13e

## Install Siqura Device Manager



Figure 14  
Install Siqura Device Manager from Siqura Product CD



## Access the camera via Siqura Device Manager

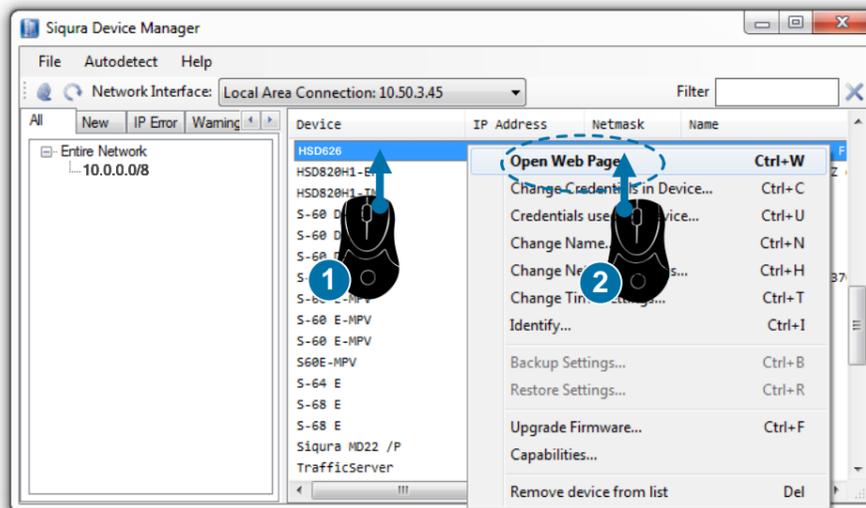


Figure 15 Camera detected by Siqura Device Manager

## Log on to the camera webpages

### To log on to the camera

1. On the *Login* page, click **LOGIN**.
2. Log on with the account that was created for you. User name and password are case sensitive. The factory-set user name is "Admin" with password "1234" (figure 16a).

**Note:** To prevent unauthorised access from people using the default account, we recommend that the administrator changes the default password after first login and creates separate user accounts as needed. This also removes the default account details from the login screen (figure 16b).

3. Click **OK** or press **ENTER**.  
On successful login, the Live Video page appears.

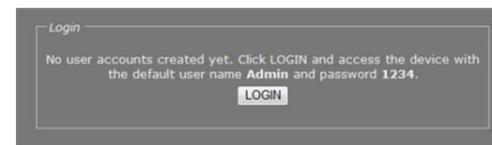


Figure 16a Access with default Admin account only



Figure 16b Access with user account created by Admin

**Important:** Log on as "admin" with an empty password if the firmware version of the camera server board is lower than v4.0.

## View video stream in video player (VLC)

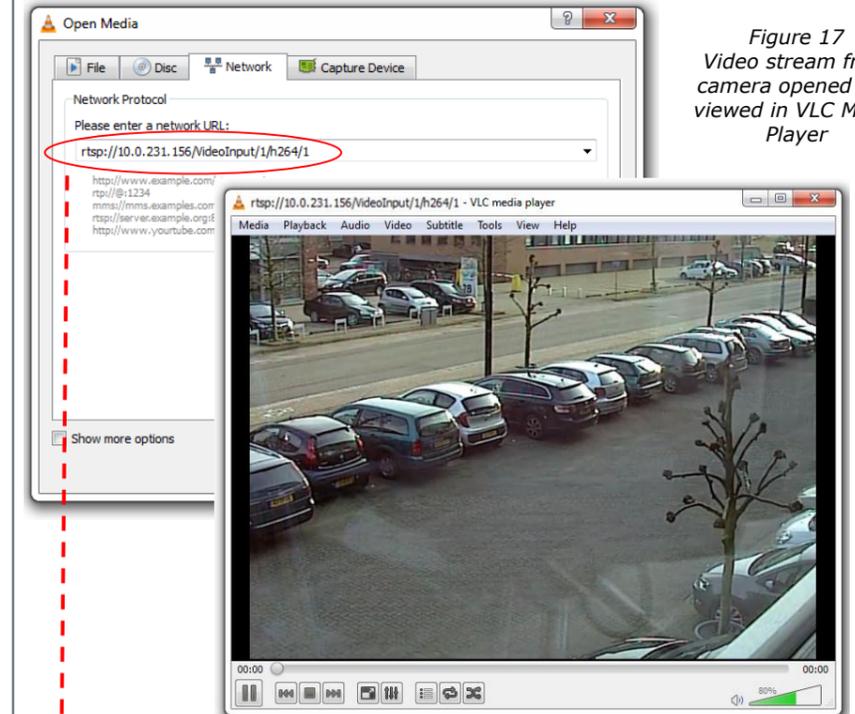


Figure 17  
Video stream from camera opened and viewed in VLC Media Player

**rtsp://10.0.231.156/VideoInput/1/h264/1**

camera IP address

video input number

media type

video encoder number