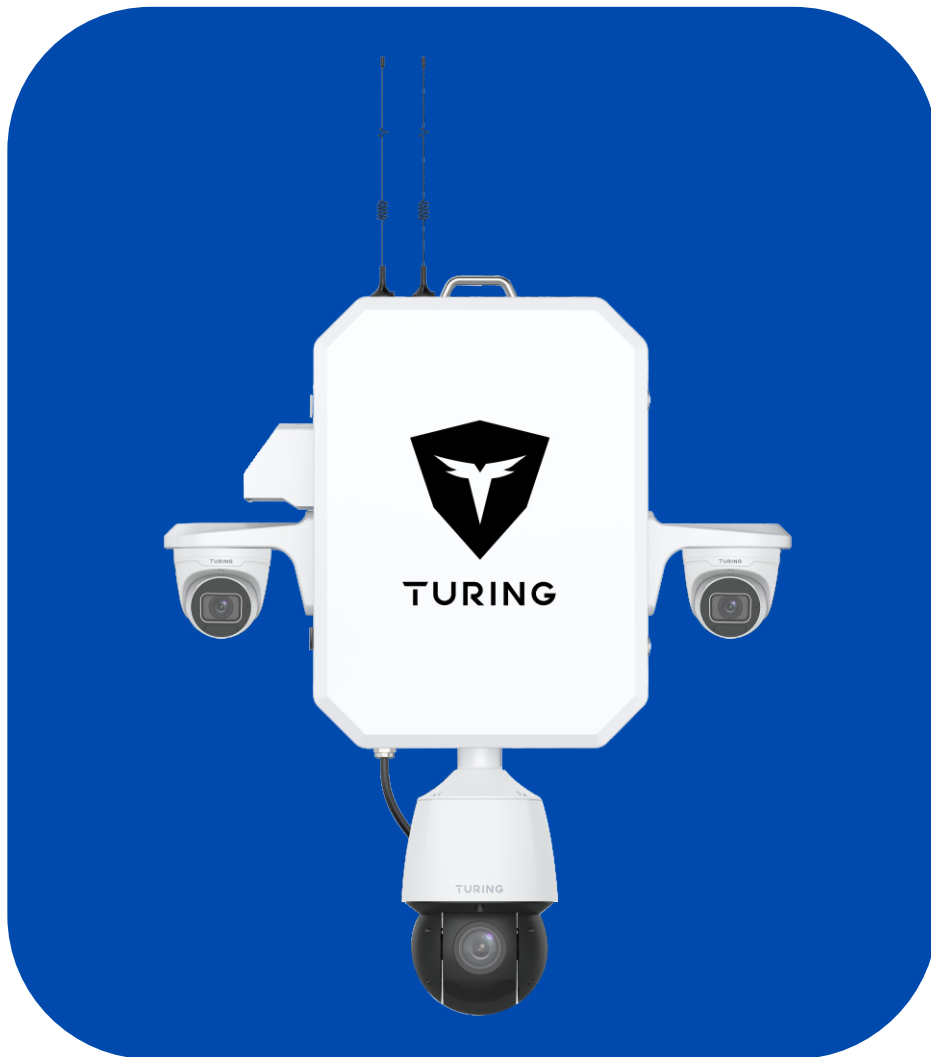




SITESHIELD SETUP GUIDE

TURING SITESHIELD



ASSEMBLE YOUR SITESHIELD

IN 4 EASY STEPS



SCAN FOR LATEST

Table Of Contents

Step 1: How To Assemble Your SiteShield...	3
What's Included in the Box?...	3
Fig. 1.1 Items In Your Box.....	3
Part 1:Assembly Process...	4
Fig. 1.2 Assembling NVR.....	4
Part 2:Assembly Process...	5
Fig. 1.3 Assembling Bridge.....	5
Fig. 1.4 Assembling Router.....	5
Part 3:Assembly Process...	6
Fig. 1.5 Assembling Heater.....	6
Part 4:Assembly Process...	7
Fig. 1.6 Assembling POE Switch(Optional)	7
Part 5:Assembly Process...	8
Fig. 1.7 Assembling Network Cable.....	8
Step 2: How To Setup Your Cameras and System...	9
Part 1:Mounting the Rain Shade...	10
Fig. 2.1 Mounting Rain Shade.....	10
Part 2:Mounting Cameras to the SiteShield...	10
Camera Mount Options...	11
Mount Cameras to the Left/Right Position...	12
Fig. 2.2 Left/Right Camera Mounting Position.....	12
Mounting VF Bullet/LPR/AD PTZ Camera...	13
Fig. 2.3 Mounting VF Bullet/LPR/AD PTZ Camera.....	13
Mounting a PTZ Camera...	14
Fig. 2.4 Mounting a PTZ Camera.....	14
Mounting Cameras on the Bottom...	15
Fig. 2.5 Mounting Cameras on the Bottom.....	15
Part 3:Mounting Speakers to the SiteShield...	16
Fig. 2. 6 Mounting Speakers to the SiteShield	16
Step 3: How to Setup Your 4G Router...	17
Fig. 3.1 4G LTE Router Setup Guide.....	17
Install Antennas to the Top of the SiteShield...	18
Fig. 3.2 Installing Antennas.....	18
How to Wire the Power Plug ...	19
Fig. 3.3 Wiring the Power Plug	19
Step 4: How to Mount Your SiteShield...	20
Fig. 4.1 Pole/Wall Mount.....	20
Fig. 4.2 Attaching SiteShield to Mount.....	20
FAQ...	21
Q1. I cannot reboot SiteShield from Vision.....	21

Step 1: How To Assemble Your SiteShield

What's Included in the Box?

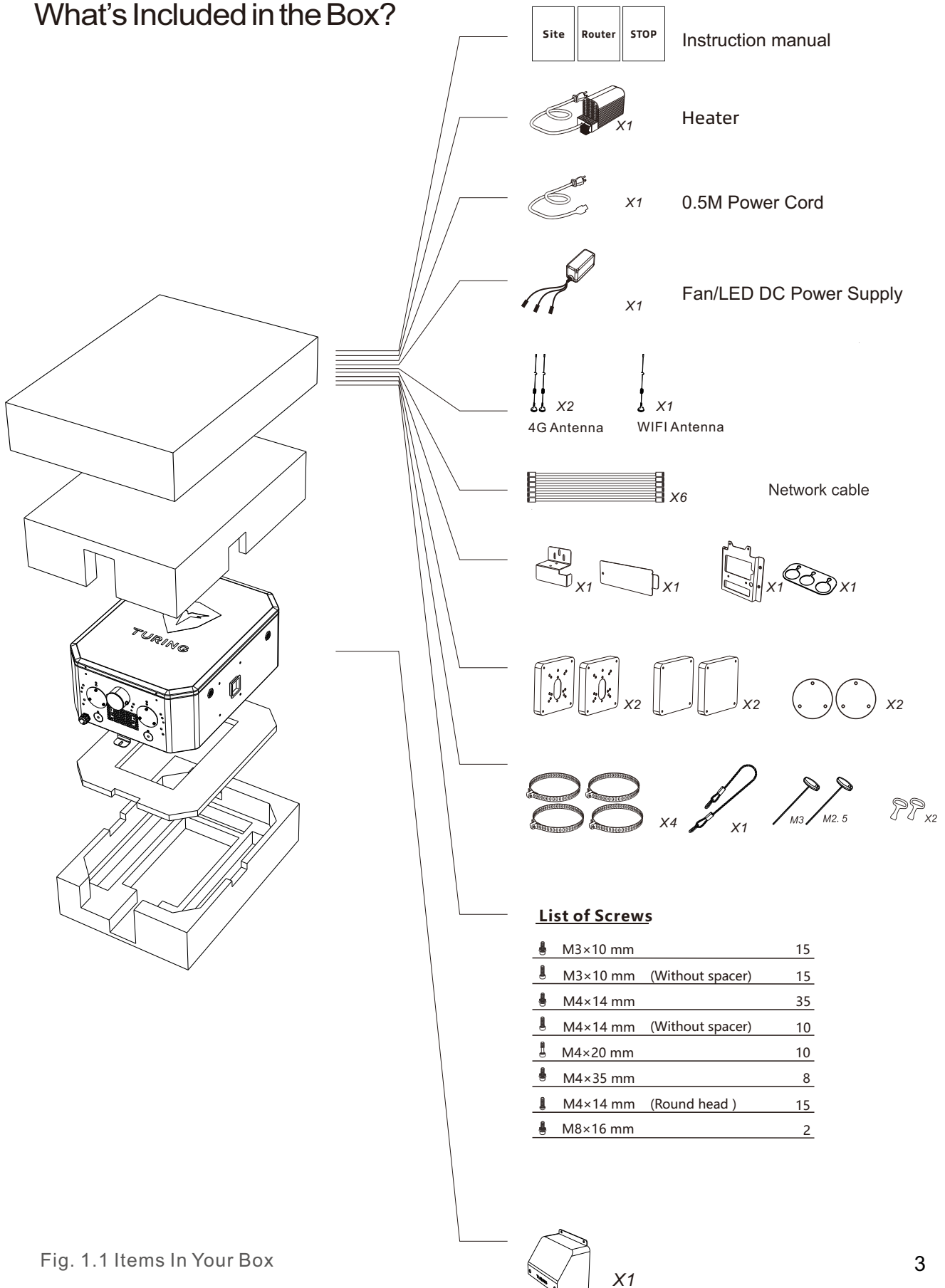


Fig. 1.1 Items In Your Box

Part 1: Assembly Process

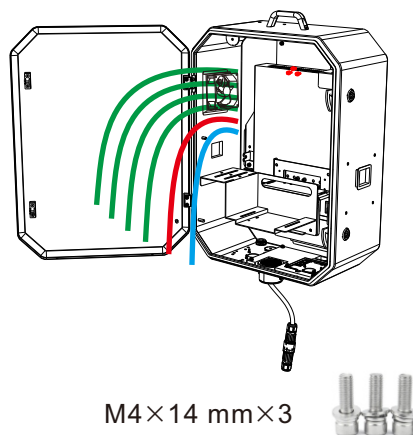
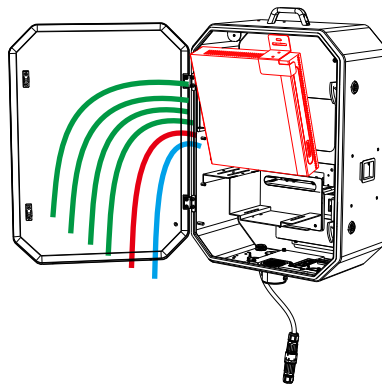
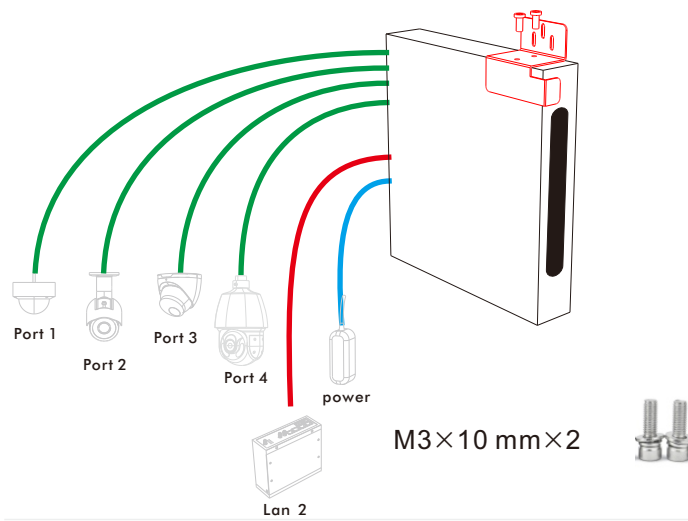
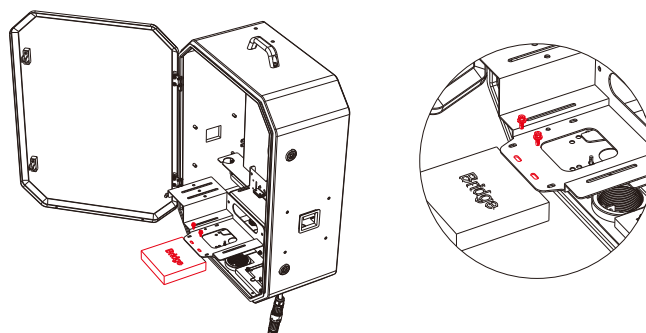


Fig. 1.2 Assembling NVR

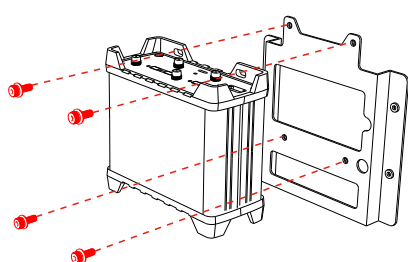
Part 2: Assembly Process



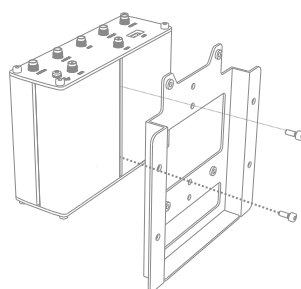
M3*10MM *2



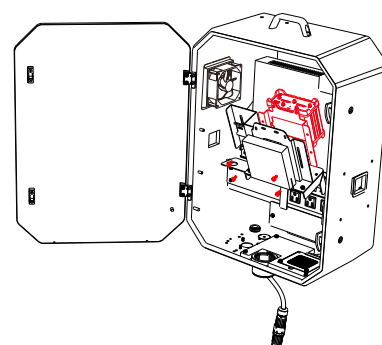
Fig. 1.3 Assembling Bridge



4G Router



5G Router (Optional)

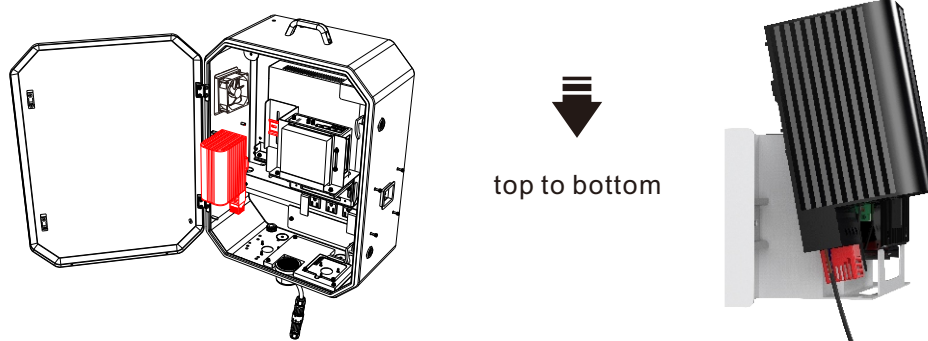


M3*10MM *8



Fig. 1.4 Assembling Router

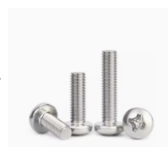
Part 3: Assembly Process



Assembling the Heater



M4×14 mm×4
(Round head)



Cross round-head screw

Fig. 1.5 Assembling Heater

Part 4: Assembly Process

Note: This is an optional step and only apply to SiteShield Edge series.



Remove two Screws



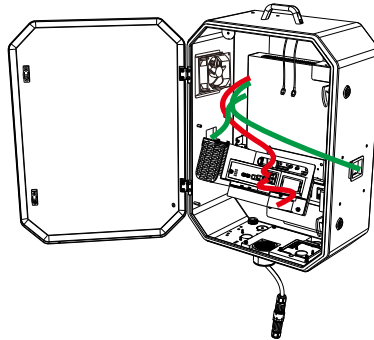
M3×6 mm×2



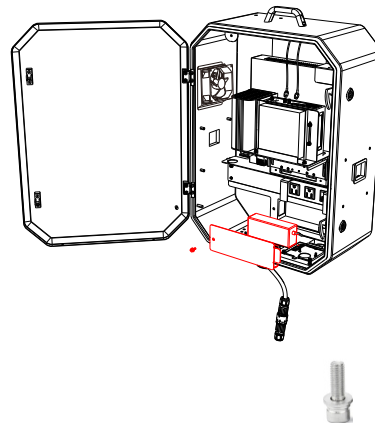
Assembly of POE

Fig. 1.6 Assembling POE Switch(Optional)

Part 5: Assembly Process



Network cable



M4×14MM ×1

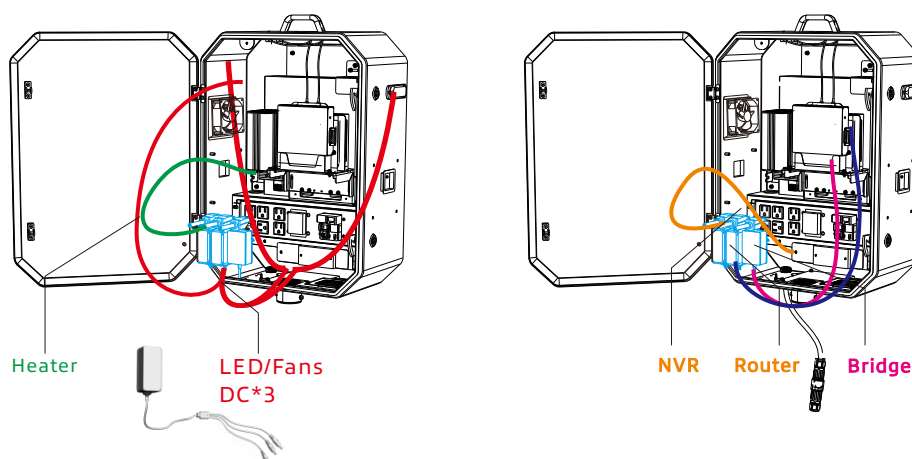
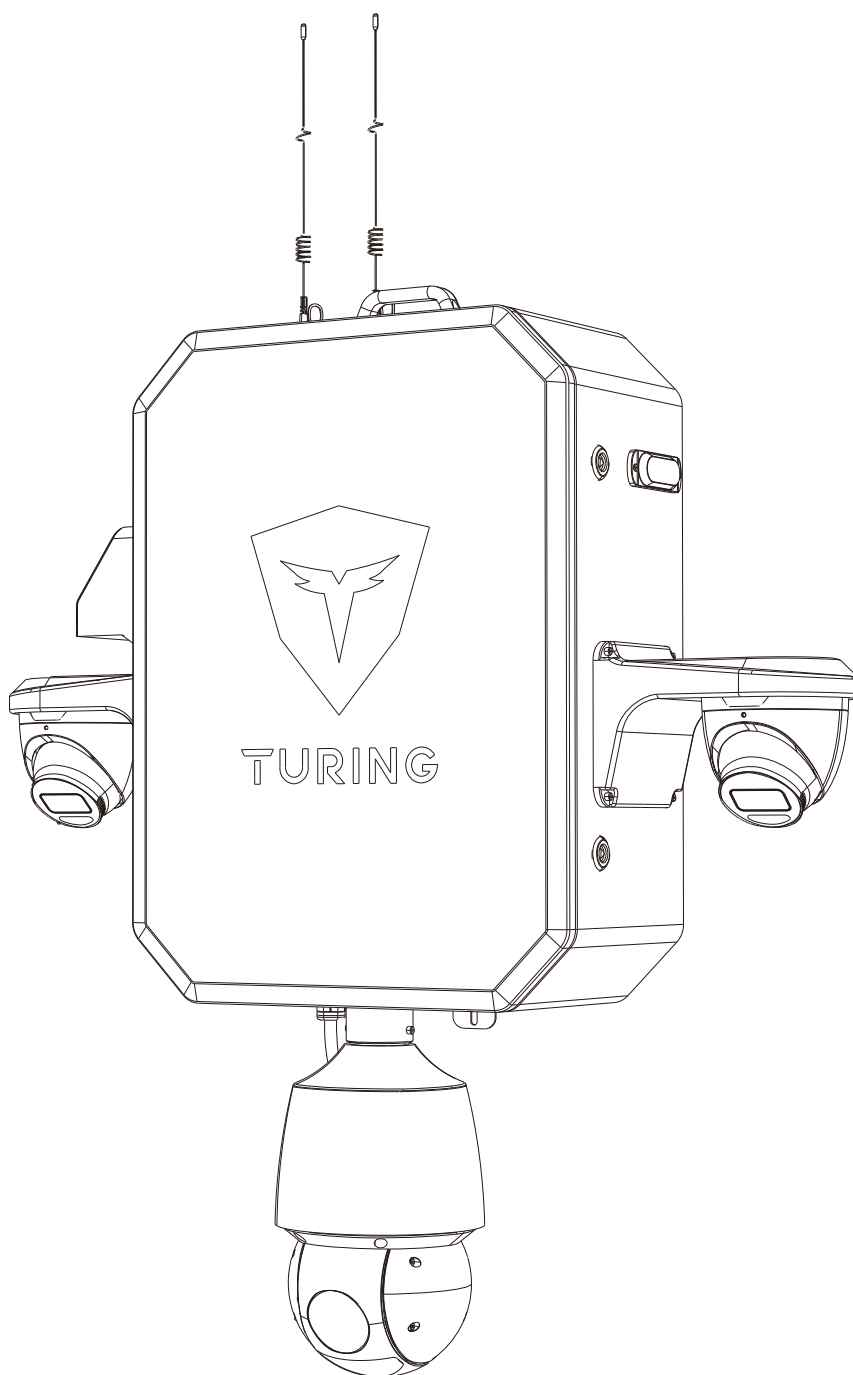


Fig. 1.7 Assembling Network Cable

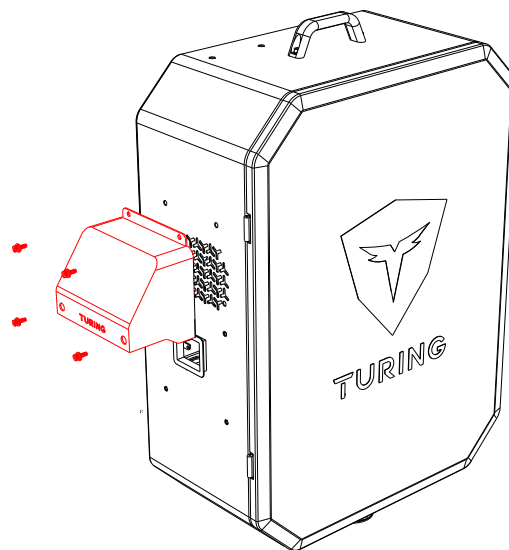
Step 2: How to Setup Your Cameras and System



Note: Please remove all foams inside the enclosure box before using, since they are used as protection during shipping.

Part 1: Mounting the Rain Shade

Mount rain shade to the left side of the SiteShield with 4×M4×10 mm Screws. Rain Shade can be found in a brown box inside the Enclosure.



M4×14 mm×4

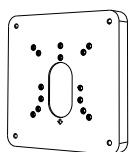


Fig. 2.1 Mounting Rain Shade

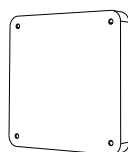
Part 2: Mounting Cameras to the SiteShield

Mount cameras to the SiteShield left, right, or bottom, depending on the camera you selected. A few different scenarios and how users mount cameras to the SiteShield are listed below.

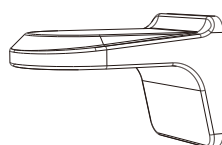
Camera Mount Options



TP-SDLPZ



TP-SDC



TP-EFDWM

TP-VDWM

Note: Brackets and Adapters are required to mount cameras to SiteShield, those are **not** included in the box. Brackets will be in a separate box or need to order separately.

Optional Cameras



TP-MED4M28 & TP-MED4M4
TP-MED5M28 & TP-MED5M4
TP-MED8M28
TP-MEAD4M28 & TP-MEAD8M28
TP-MED5M28C
TP-MFD4A28 & TP-MFD4A4
TP-MFM4M28



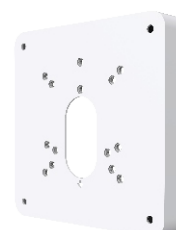
TP-EFDWM(Side Mount)



TP-MED8M28C
TP-MVD4MV2 & TP-MVD5MV2
TP-MVD8MV2



TP-MFB5A4C
TP-MFB8M4C
TP-MMB4AV2
TP-MMB8AV2
TP-X2B8MPR-1Y
TP-MFB4M28 & TP-MFB4M4
TP-MFB5M28 & TP-MFB5M4
TP-MBAD8M28 & TP-MBAD4M28
TP-MMB2AV5L
TP-MPND5MV2
TP-MFB4M28
TP-MFB4M4
TP-MFB5M28
TP-MFB5M4
EVC5FB256-1Y
EVC5ZB256-1Y



TP-MPC4AV25
TP-MPC4AV33

Up to 1 PTZ can be mounted on the bottom only,
no accessories needed, up to 3 maximum cameras
only if mounted PTZ

Note: Camera models might vary, please double check with Sale representative.

Mounting Cameras to the Left/Right Position

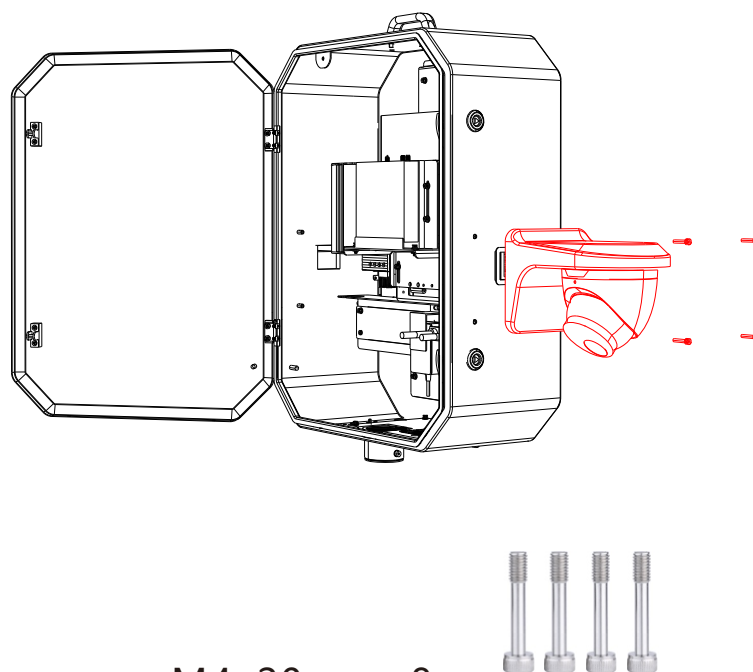


Fig. 2.2 Left/Right Camera Mounting Position

Mounting VF Bullet/LPR/AD PTZ Camera

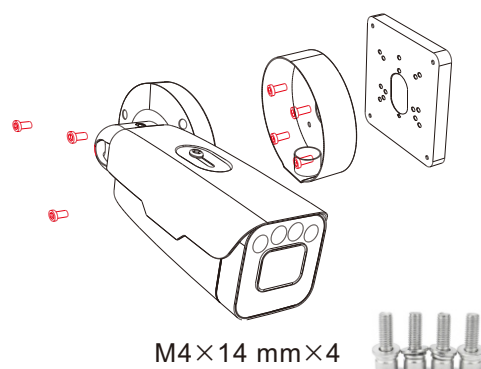
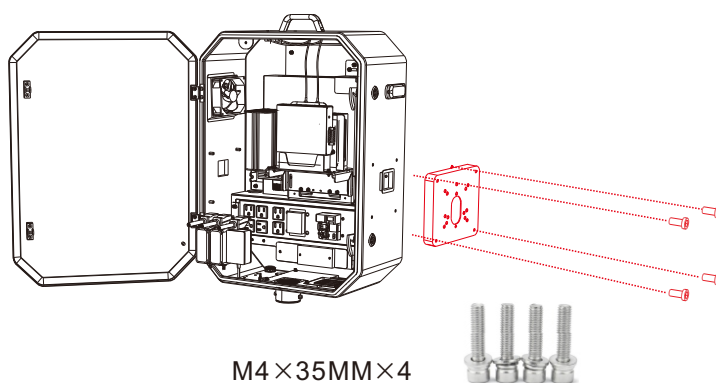


Fig. 2.3 Mounting VF Bullet/LPR/AD PTZ Camera

Mounting a PTZ Camera

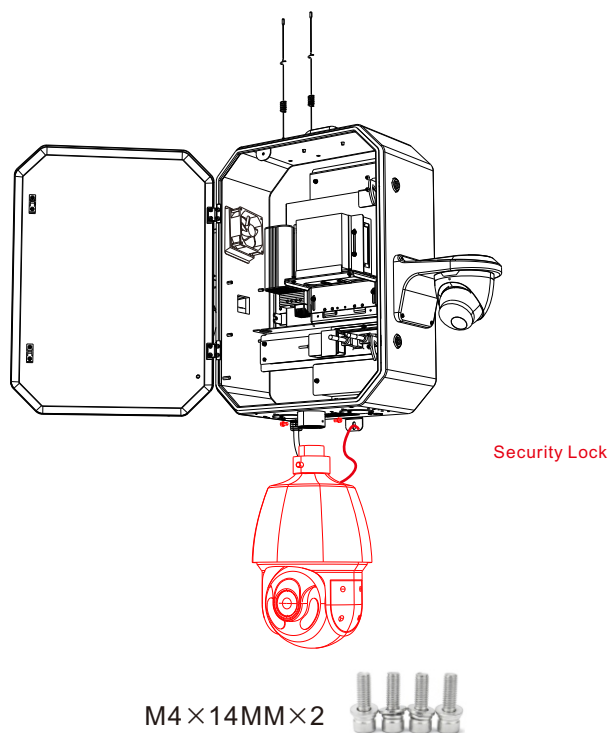
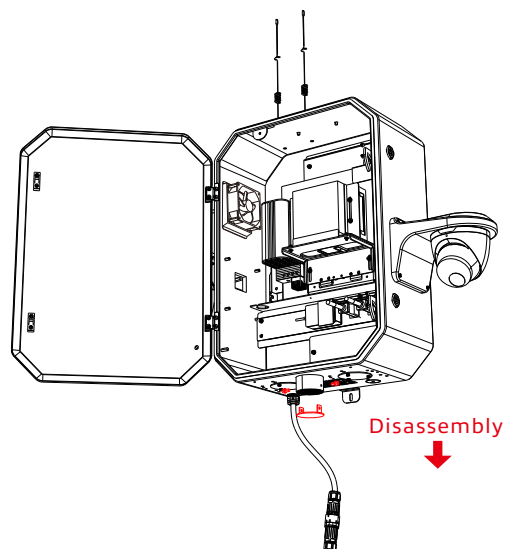


Fig. 2.4 Mounting a PTZ Camera

Mounting Cameras on the Bottom

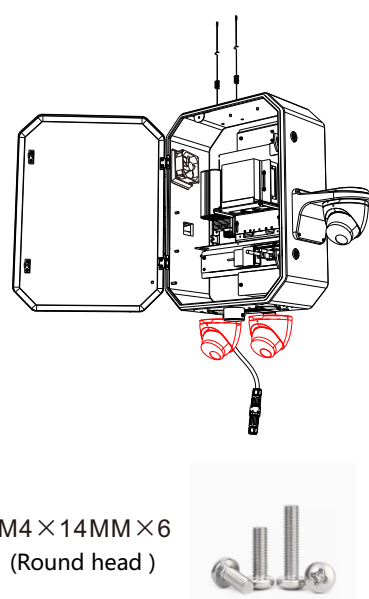
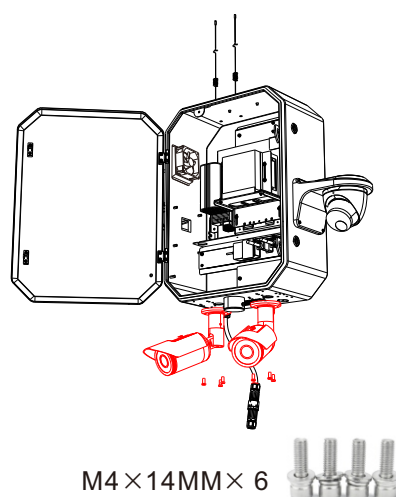
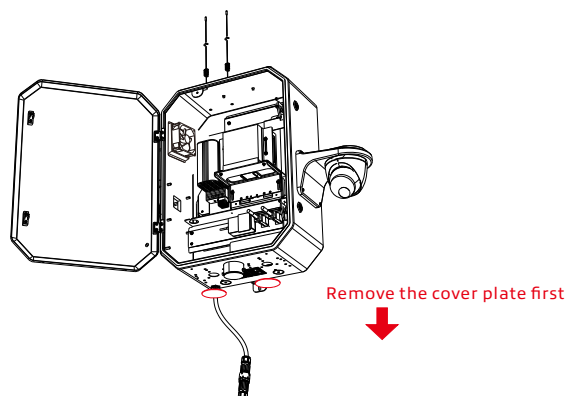


Fig. 2.5 Mounting Cameras on the Bottom

Part 3: Mounting Speakers to the SiteShield

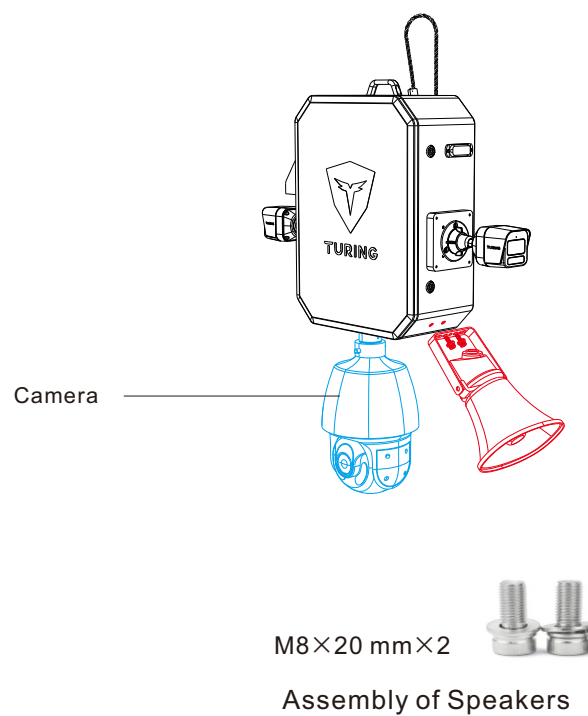
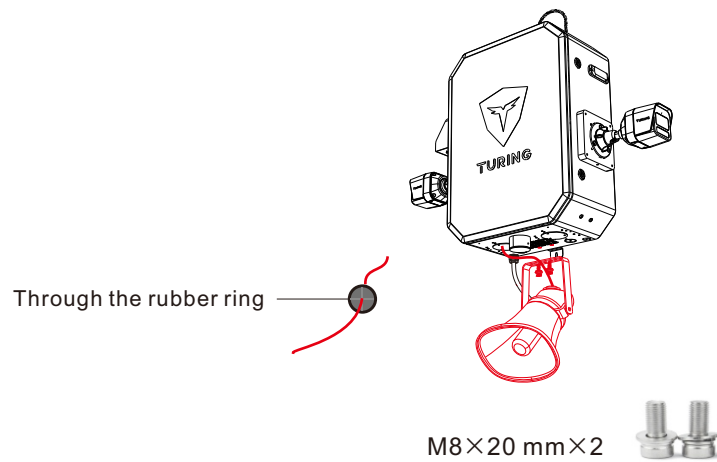


Fig. 2.6 Mounting Speakers to the SiteShield

Step 3: How to Setup Your 4G Router

Note: Please refer to another Carrier Guidance for more information.



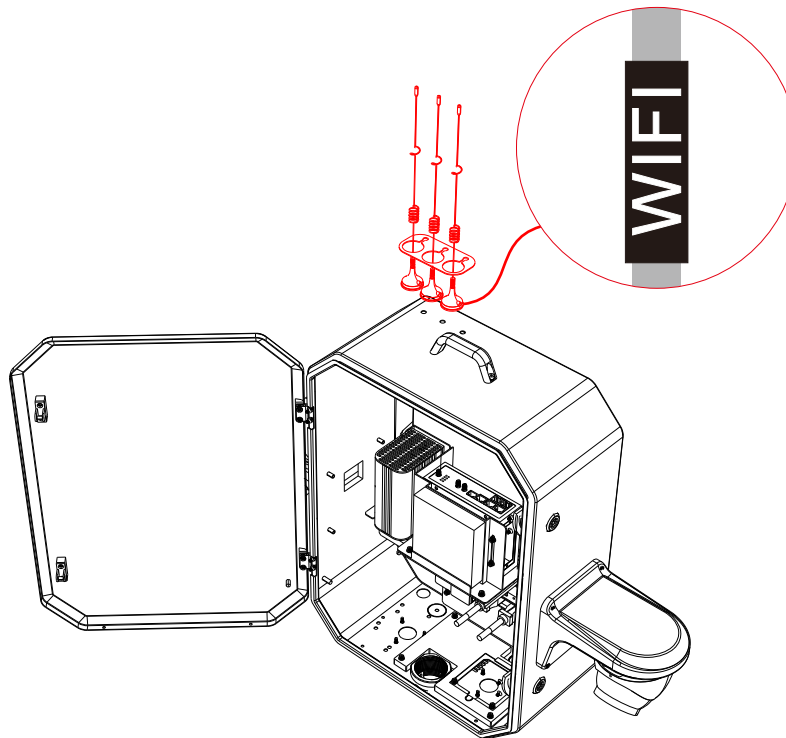
Fig. 3.1 4G LTE Router Setup Guide

Install Antennas to the Top of the SiteShield

Note: Antennas are required, otherwise router network signals would be blocked by the metal box.

Note: WiFi logo and fixed order.

Note: The WiFi antenna port is available only in the latest version. If your device doesn't have it but you still want to connect a WiFi antenna, you can find the antenna in the box and connect the cable from the bottom.



4G and WiFi Antennas

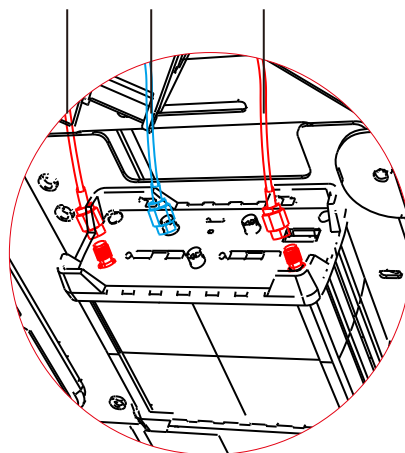


Fig. 3.2 Installing Antennas

How to Wire the Power Plug

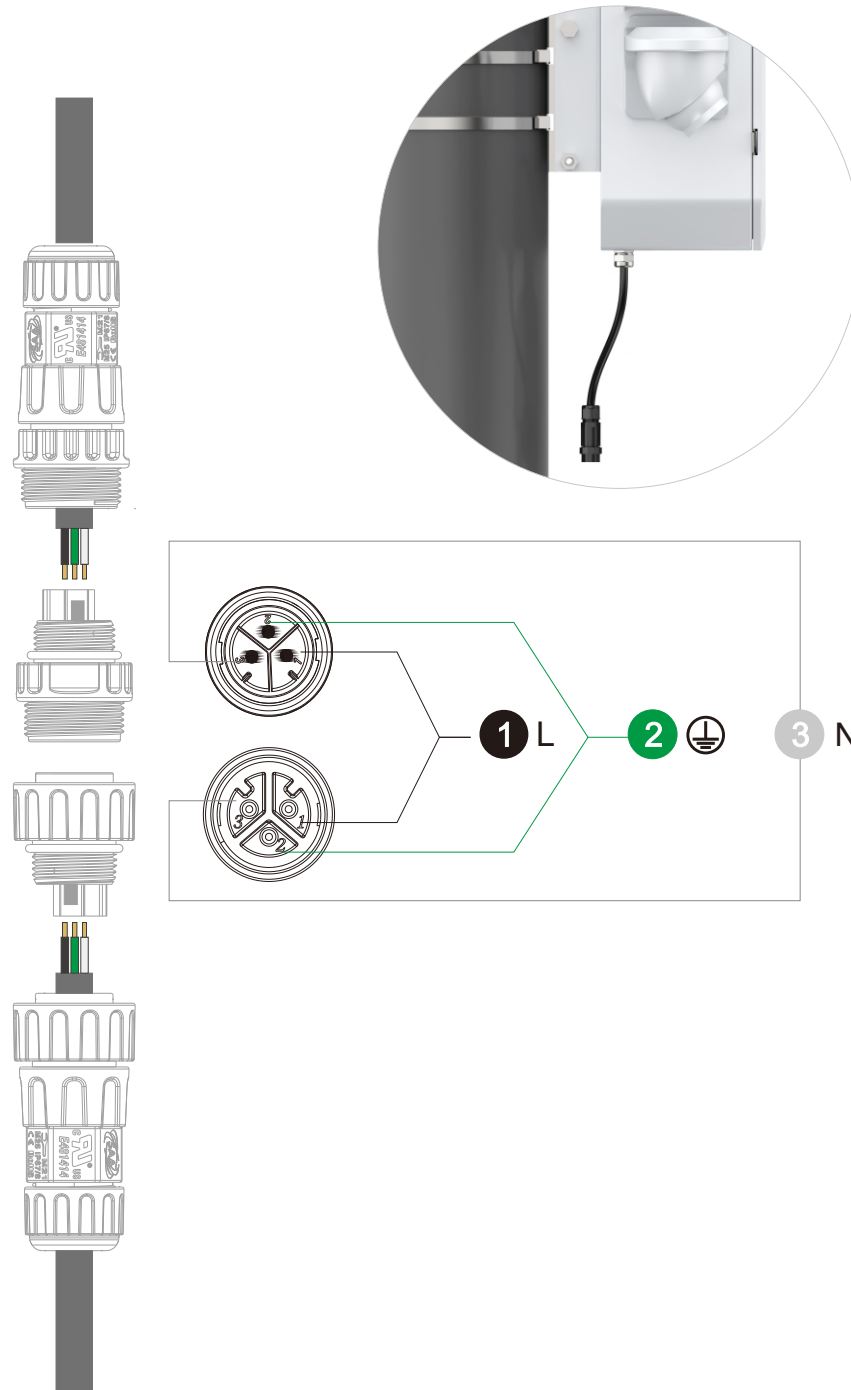
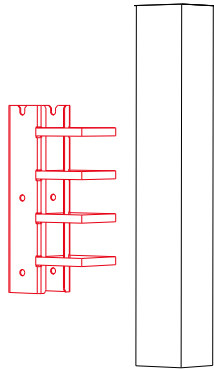
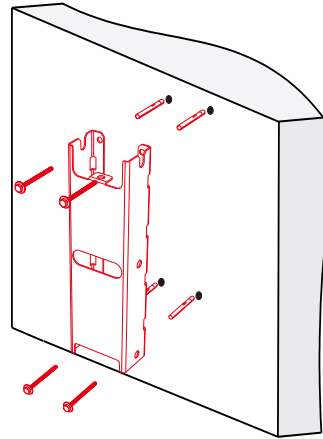


Fig. 3.3 Wiring the Power Plug

Step 4: How to Mount Your SiteShield

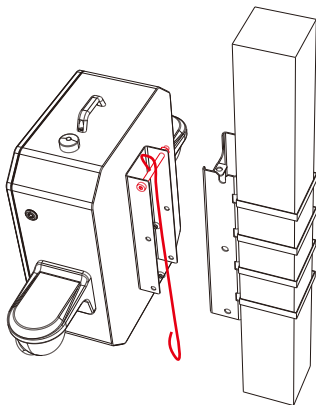


Worm Gear Hose Clamp×4

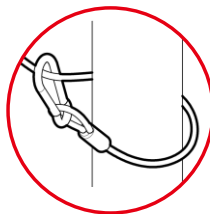


Expansion screws×4

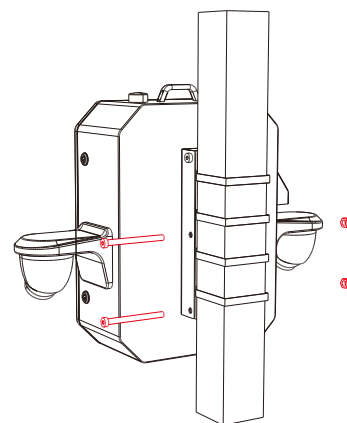
Fig. 4.1 Pole/Wall Mount



M10×145 mm×1



Security locks×1



M10×145 mm×2

Fig. 4.2 Attaching SiteShield to Mount

FAQ

Q1. I cannot reboot SiteShield from Vision

Answer:

1. First ensure the RS485 cable between Router and Smart Power Strip are properly connected.



2. Second, please login Router's web GUI to check Router's Firmware version. There is known compatibility issue with newer Router Firmware version. If you notice Router FW version is not in below compatible list, please upgrade/downgrade it to the right version. Router Firmware download link:

https://wiki.teltonika-networks.com/view/RUT956_Firmware_Downloads

Test Firmware version:

version	need web_ui configuration	result
RUT9M_R_00.07.06.10	Yes	success
RUT9M_R_00.07.06.3	Yes	success
RUT9M_R_00.07.05.4	Yes	success
RUT9M_R_00.07.04.5	Yes	success

3. After upgrade to the right Router Firmware, please also follow bellow steps to configure the Router:

3.1 In Router's Web GUI, select advanced WebUI.

3.2 Under Services --> Modbus ---> Modbus Serial Client:

a. Enable Modbus Client

A screenshot of the Teltonika Networks web GUI. The left sidebar shows the 'Services' menu with 'Modbus' selected. The main content area shows the 'MODBUS CLIENT' configuration page. The 'Enabled' toggle is checked. The 'MODBUS SERIAL DEVICE CONFIGURATION' section shows a table with one entry: 'reboot' on 'rs485'. The 'ADD NEW INSTANCE' section shows a form to add a new instance with fields for 'NEW CONFIGURATION NAME' and 'DEVICE NAME' (set to 'rs232'). The 'MODBUS SERVER DEVICE CONFIGURATION' section is empty.

NAME	DEVICE
reboot	rs485

NAME	MODBUS SERIAL DEVICE	FREQUENCY	TIMEOUT
This section contains no values yet			

b. Add new Modbus Serial Device Configuration. Click Save & Apply

✓ RS485 DEVICE MODBUS CLIENT CONFIGURATION

Enable ☒

Name

Device

Baud rate

Data bits

Stop bits

Parity

Flow control

Full Duplex ☐

SAVE & APPLY

c. Add new Modbus Server Device Configuration. Click Save & Apply

^ Modbus Device Configuration

Enabled ☒

Name *

Serial device

Server ID *

Number of timeouts *

Frequency

Period *

Timeout

4. Check Status Under Status-->Services make sure Modbus Serial Client is enabled.
5. Click Restart Power Strip on Vision Platform to test Restart feature.



TURING