

Four-channel Network Recording Kit

1 UNPACKING

Your system includes the following:



Cameras

- 4 x Network Dome Cameras
- 4 x Hardware Packs, with: Mounting Template, Expansion Bolts (3), Self-tapping Screws (3), Hex Wrench, Startup Guide, and Software CD

Network Video Recorder

- 1 x 4-channel NVR, with: Pre-installed 2 TB HDD, 12 VDC Power Supply, Ethernet Cable, Mouse, Hard Drive SATA Cable, HD Hardware, Startup Guide, and Software CD



2 CONNECTIONS

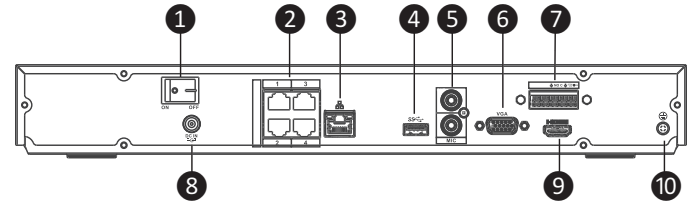
Camera Connections



1	Video Output	Ethernet, RJ-45
2	Power Input	12 VDC or PoE (IEEE 803af)

3 CONNECTIONS

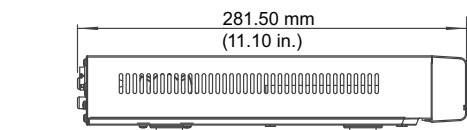
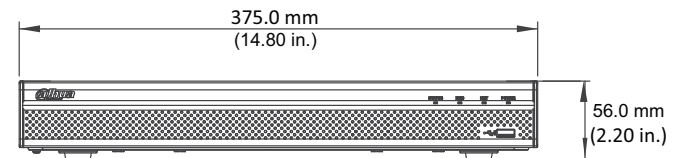
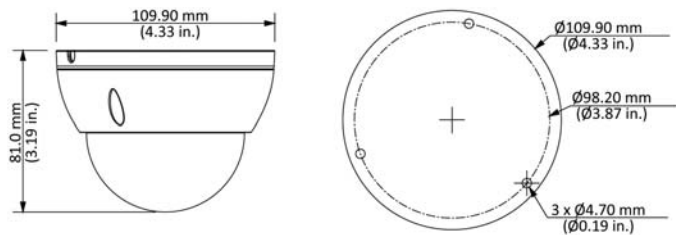
NVR Connections



1	On/Off Button	6	VGA OUT
2	PoE, RJ45 (x4)	7	Alarm I/O
3	Network Switch, RJ45	8	12 VDC Power IN
4	USB 2.0	9	HDMI OUT
5	Audio I/O	10	Ground

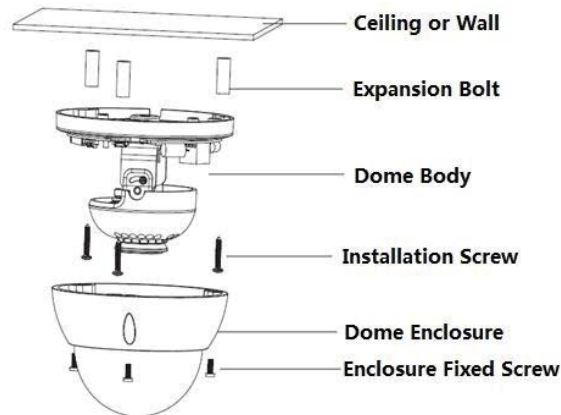
4 DIMENSIONS

Camera and NVR



5 INSTALLATION

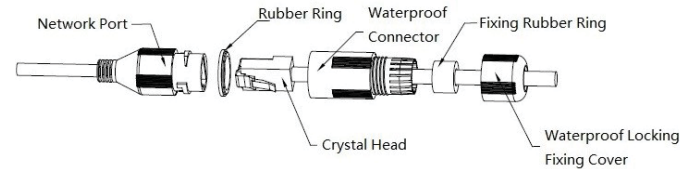
Mount and Make Connections



- Ensure the wall or ceiling can support 3x the weight of the camera.
- If you are connecting the IP cameras to the PoE ports of the NVR, DO NOT connect a 12VDC power supply to the camera. Power will be supplied to the camera via PoE. Proceed directly to the next step.

6 INSTALLATION

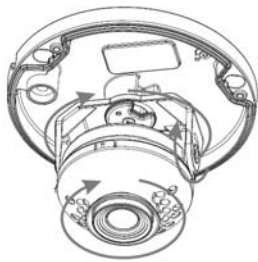
Waterproof the Network Connector



- Place the wide side of the rubber ring onto the end of the network cable extending out from the camera.
- Thread the cable through the Fixing Rubber Ring and the Waterproof Locking Cover.
- Attach the male Ethernet connector to the network cable coming from the camera.
- Connect the other end of the waterproof connector to the network port and rotate it clockwise to lock the network port and waterproof connector firmly.
- Slide the Waterproof Locking Cover over the main body of waterproof connector and rotate it clockwise to seal the connection

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7 INSTALLATION Position the Camera



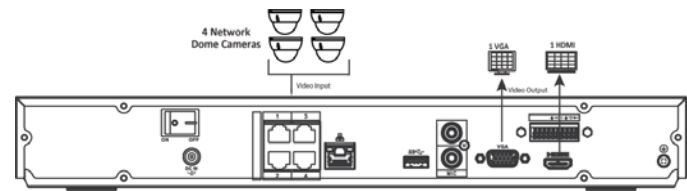
- Loosen, but do not remove the set screws on either side of the bracket that holds the camera.
- Tilt the camera to adjust the tilt angle (0° to +65°). Tighten the two locking screws on the bracket to lock the tilt angle.
- Turn the camera module to adjust image pan orientation (0° to +355°).
- Turn the camera base to adjust the rotation of the camera (0° to +355°).

8 INSTALLATION Place the NVR



- Ground the unit using the ground connection of the power supply to protect the unit from damage, especially in damp environments.
- Protect the plug and power cord from foot traffic, being pinched, and its exit from the unit.
- Do not place the unit in a wet, dusty, extremely hot or an extremely cold environment; and avoid environments with strong electromagnetic radiation.

9 INSTALLATION Connect Cameras and Peripherals



- Connect an Ethernet cable to the RJ45 port for network access.
- Connect the incoming network cables from the four network cameras.
- Connect a VGA or HDMI cable to the rear panel and to the display monitor.
- Connect the NVR to the 12 VDC power supply and turn on the device using the On/Off button.

10 OPERATION Log in to the NVR



- Set the Username and Password after initial start-up.
- Supply the default password (“admin”) for the Admin user.
- Supply a new password.
- Supply answers for two confirmation questions in case the password has to be reset.
- After Admin Security is set, supply the Username and the new Password.

11 OPERATION Add Cameras with Smart Add



- When the network cameras and the NVR are connected to same router or switch, you can use the Smart Add function to add all network cameras to the NVR at the same time
- **Default IP Settings**

IP Address	192.168.1.108
Subnet Mask	255.255.255.0
Gateway	192.168.1.1

12 OPERATION View Live Video



- Click Live in the Main Menu.
- Change the Live screen grid if more camera channels are desired.