

Hikvision
DS-3WF0AC-2NT
Quick Start Guide

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Symbol
 NOTE
Provides additional information to emphasize or supplement important points of the main text.

Symbol
 WARNING
Indicates a potentially hazardous situation, which, if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.

Symbol
 DANGER
Indicates a hazard with a high level of risk, which, if not avoided, will result in death or serious injury.

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Packing List
Wireless bridge x 2
PoE injector x 2
Power adapter x 2
Screw x 4
Expansion bolt x 4
Screw x 2
Quick start guide x 1
If any accessories are damaged or lost, keep the package intact and contact your dealer for replacement.

1 Getting to know the devices

AP device
CPE device

LED indicators

LED indicators are used to monitor the status of devices. See the following table for the description of the LED indicators.

Indicator	Status	Description
PWR	Solid on	The power is supplied to the device properly.
	Off	No power is supplied to the device.
LAN	Solid on	No data is being transmitted over the port.
	Blinking	Data is being transmitted over the port.
	Off	The port is not connected, or not connected properly to an Ethernet device.
LED1/LED2/LED3	Bridged successfully.	Bridged successfully.
	Solid on	<ul style="list-style-type: none"> LED1, LED2 and LED3 are solid on: Good signal. LED1 is solid on, and LED2 and LED3 are off: No signal. LED1 is solid on, and LED2 and LED3 are off: Weak signal. Please adjust the antenna.
	Off	The received signal strength does not reach the minimum threshold of the signal strength LED indicator.

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2 Login and activating the devices

Port/Button

Step 1: Use the included power adapter to supply power to the device, and connect a computer to the POE/LAN port of the device for configuration.

Step 2: Configure the IP address of the computer used to configure the device.

Step 3: Perform Step 1 to Step 3 to activate the other device in the box.

Step 4: After the two devices are activated, power them on at the same time and they will connect to each other automatically.

Step 5: When the LED1, LED2, and LED3 indicators of the two devices are solid on, the bridging is successful.

Step 6: Click OK on the Local Area Connection Properties window, and close the other windows.

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Step 7: Click OK on the Internet Protocol Version 4 (TCP/IPv4) Properties window.

Step 8: Select Use the following IP address, set the IP address to 192.168.1.X (X ranges from 2 to 253, excluding 35 and 36), the Subnet mask to 255.255.255.0, and click OK.

Step 9: Double-click Internet Protocol Version 4 (TCP/IPv4).

Step 10: Log in to the web UI of the device.

Step 11: Click OK on the Local Area Connection Properties window.

Step 12: Click OK on the Internet Protocol Version 4 (TCP/IPv4) Properties window.

Step 13: Click OK on the Local Area Connection Properties window, and close the other windows.

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3 Installing the devices

Step 1: Thread the straps across the holes on the rear panel of the device. (Refer to Figure 1)

Step 2: Attach the device onto the selected pole, adjust the mounting location of the device, and tighten the straps to fix the device. (Refer to Figure 2)

The installation diagram is shown as follows:

Figure 1

Figure 2

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4 Connecting the devices

Hardware connection of AP device (Example: Power the device through the PoE injector)

Connect the AP device to a switch in the monitor center.

Hardware connection of CPE device (Example: Power the device through the PoE injector)

Connect the CPE device to an IP camera.

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5 Deploy the devices according to the location of monitor center.

Scenario 1
AP device
CPE device
Elevator shaft
Monitor center

Scenario 2
Elevator shaft
CPE device
AP device
Monitor center

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FAQ

Q1: I cannot log in to the web UI of the device by entering 192.168.1.35 or 192.168.1.36. What should I do?
Try the following methods and try again:

- Check if the network cable is connected correctly between the device and the computer properly.
- Ensure that the IP address of the login computer is 192.168.1.X (X ranges from 2 to 254, excluding 35 and 36).
- Reset the factory settings.

Q2: How to reset the device to factory setting?
Note: Resetting the device will clear all settings, and you need to configure it again.
Method One: 1 minute after the device is powered on, hold down the Reset button for about 8 seconds. When all LED indicators light up, the device is restored to factory settings.

Method Two: Log in to the web UI of the device, choose System > Maintenance, and click the Reset button.

Q3: How to ensure the bridging is optimal when the devices are used for CCTV surveillance?
Method One: Observe the LED indicators of the two devices. The bridging signal is at its best when all of the LED1, LED2 and LED3 indicators are solid on.

Method Two: Log in to the web UI of the device, choose Status > Peer-to-peer, to check the signal strength. Strong signal strength (-60 dBm) is better than -70 dBm, less background noise (-100 dBm is better than -90 dBm), and faster transmitted received rate lead to better bridging signal.

Q4: After the bridging succeeds, the monitors connected to the NVR cannot display the video. What should I do?
Try the following solutions:

- Check if all devices are connected properly and work normally.
- Ensure that the IP addresses of computer, NVR, and IP cameras are in the same network segment.
- If the preceding check is normal, it indicates the connections are properly. Please check if configurations of the NVR or the IP cameras are correct, a broadcast storm occurs or VLANs are assigned in your network.

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Environment requirement

Operating temperature	-30°C ~ 55°C
Operating humidity	(10% ~ 90%) RH, non-condensing
Storage temperature	-30°C ~ 70°C
Storage humidity	(5% ~ 90%) RH, non-condensing

Caution:
Adapter Model: BN036-A12012E, BN036-A12012B
Manufacturer: SHENZHEN HEWEISHUN NETWORK TECHNOLOGY CO., LTD.
Input: 100-240V AC, 50/60Hz 0.4A
Output: 12V DC, 1.0A
■ ■ ■ DC Voltage

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