ZNT1-H Series Quick Start Guide

Before installing and operating the unit, please read this manual thoroughly and keep it for future reference.

About the manuals

This manual provides the instructions for the quick installation and the basic configuration of your IP device. For more detailed information, refer to the camera’s installation guide and the web page user’s manual.

Part names and functions

Please check the name and position of each part by referring to the following image.

Sunshield: It prevents the lens from getting the direct sunlight.
NTSC / PAL Button: The button switches the video output mode between NTSC and PAL. Pressing the button will maintain the current video output mode unless pressing again to switch to the other mode.
Analogue Video Output: Connect a video output cable to the corresponding connectors on the back panel of the camera.
Terminal Connectors for Audio In/Out: Connect cables for audio input (speaker) and audio outputs (alarms).
Terminal Connectors for RS-485: Connector for power supply (12VDC, 24VAC, and PoE supported).

Installing Cable Gland

To meet the IP66 requirements, you need to install the cable gland unit to the camera. Follow the instructions on the other side of this page.

1) Detach the back cover by twisting it counter-clockwise.
2) Disassemble the cable gland unit (disassembled parts: electrical nut, rubber sealing ring inside the gland - you need to take it out, gland body, and sealing nut).
3) Pass the electrical nut through the ends of the necessary cables.
4) Pass the cables through the holes both on the back and the bottom of the camera by referring to the image above.
5) Pass the provided O-ring, gland body through the ends of the cables that are on the backside of the camera.
6) Insert the cables into the rubber sealing ring at the point where about 4.5 inches (11.5 cm) of the cable ends remains to connect to the corresponding connectors on the back panel later.
7) Push the rubber sealing ring through the claw of the gland body.
8) Insert the sealing nut into the thread of the gland body, and tighten it by turning the nut on the thread. The rubber sealing ring will be tightened to fill the gap between the rubber sealing ring and the cables.
9) Push the gland unit through the hole on the back of the camera so that the other end of the thread on the gland unit will be inserted into hole for gland.
10) Fix the gland unit to the hole by inserting the electrical nut and tightening it on the thread of the gland unit.

NOTE1 A thin type of the BNC cable is recommended when you insert multiple cables including a BNC cable as the standard size of BNC cable is too thick to be inserted together into the rubber sealing ring.

NOTE2 Use the detachable cable with a separate BNC connector to pass the hole of the sealing nut or the female type head of the BNC cable to pass the hole of the sealing nut.

Connecting Cables

For the information about the necessary cables, refer to the part names and functions section on the left side of this page and the Connection section in the installation guide.

Installing Base Mount

1) Insert the provided 8 tamper resistant screws to the corresponding screw holes on the base mount by referring to the image on the right.
2) Tighten them with a Phillips head #2 screwdriver to fix the base mount to the camera.

Connecting Base Mount: Upside-Down View

1) Insert the provided silica gel packet inside the back panel.
2) Close the back panel of the camera by twisting the back cover clockwise on the camera’s back panel.
3) Insert the two tamper resistant screws into the holes on the back cover, and tighten them with a Phillips #2 screwdriver to fix the back cover to the camera unit.

Installing Sunshield

To meet the IP66 requirements, you need to install the cable gland unit to the camera. Follow the instructions on the other side of this page.
Installing with Bracket/Adaptor

There are currently 7 optional accessories such as wall mount bracket, corner mount bracket, and so on. Please refer to the corresponding accessory’s installation guide for the installation instructions.

Setting up network environment

The default IP address of the device is 192.168.XXX.XXX. Users can identify the IP address of the device by converting the MAC address’s hexadecimal numbers. The MAC address is at the bottom of the device. Be sure that the device and the PC are on the same network area before the installation.

Generic IP Environment

Convert the device’s MAC address to the IP address. Refer to the Hexadecimal-Decimal Conversion Table at the end of this manual.

| MAC address = 00-13-23-01-14-B1 | IP address = 192.168.20.177 |

Convert the last two sets of hexadecimal numbers to decimal numbers.

IPAdminTool

IPAdminTool is a management tool to automatically scan all the network products for the devices’ administrative tasks, which include network configurations, firmware update, device deactivation, and device organization.

![IPAdminTool screenshot]

To modify the device’s default IP address for a customized network area;
1) Find the device from IPAdminTool’s list, and highlight the device’s name.
2) Right-click the mouse, and select IP Address, and select either Single or Multiple depending on the selected number of devices.

3) Type the new network information including IP Address. The image above shows the Single IP Change window only. Refer to the manual for IPAdminTool in case you need the instructions to change multiple IP addresses.
4) Enter ID and PW (if the device’s ID and PW have never been changed, check the checkbox of ‘Use default ID/PW.’)
5) Click Apply.

Viewing video on web page

Once the device’s IP address has been identified, type the URL in a web browser to access the camera. At the first time access, the installation window like below may pop up.

1) When the browser asks to install the AxUmf software, click Install to proceed.
2) When the Setup installation pop-up window appears, click Install to proceed with the rest of the installation.

SETUP page

To setup the device configuration:
1) Click Setup on the upper left corner of the web page.
2) Enter the user name and the password when the login page is displayed.
3) Click OK.

To learn how to set up the camera on the web page for the advanced configurations, refer to the web page user’s manual.

Reboot*

You can reboot the device via the camera’s webpage, too.
1) Go to Setup > Maintenance > Reboot.
2) Click Reboot to reboot the device.

Factory Default*

You can initialize the current settings to the factory default values via the camera’s webpage, too.
1) Go to Setup > Maintenance > Reset All Settings.
2) Select the items that you want to keep from the initialization among network settings, user account information, and time zone setting.
3) Click Reset All Settings.

Safe mode

Your device will get restarted in safe mode if the device does not completely boot certain times. The main causes for safe mode are as follows.
* The power supply is continually unplugged certain times in the middle of system booting.
* The firmware files required for system booting are damaged.
* There are conflicts in the system settings.

You will see the page to indicate that your device is in safe mode and to guide you what to do in steps. Follow the instructions on the webpage according to each step.

NOTE

One of the methods to update firmware is using IPAdminTool. Please refer to the manual for IPAdminTool for the detailed procedure.

NOTE

If your device is still in safe mode after trying to update firmware, please contact your local agency to get further assistance.

Hexadecimal-decimal conversion table

Refer to the following table when converting the MAC address of your device to IP address.

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NOTE

The device’s MAC address is also displayed on the bottom of the device. Please refer to the factory default settings section for the default IP settings.