8MP (4K) H.265 Box IP Camera with P Iris Control   Ax83C

CAMERA PARTS AND DEFINITIONS

72 mm (2.8")

62 mm (2.44")

145 mm (5.7")
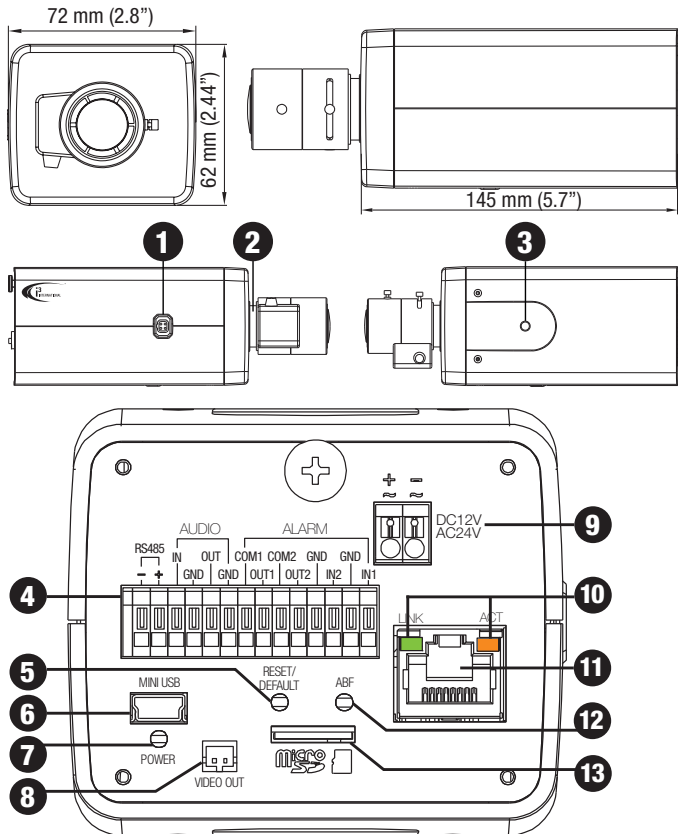
SAFETY

When installing your Ax83C camera be sure to avoid:
- excessive heat, such as direct sunlight or heating appliances
- contaminants such as dust and smoke
- strong magnetic fields
- moisture and humidity
- areas with mechanical vibration
- fluorescent lamps, objects that reflect light, and unstable light sources
- temperatures below -20° C (-4° F) and above 50° C (122° F).

To avoid electrical shock and to preserve the product warranty, DO NOT disassemble the camera. Refer servicing to qualified personnel only.

POWER

Ensure the supplied voltage meets the power consumption requirements of this camera before powering the camera on. Incorrect voltage may cause irreparable damage to the video camera and will effectively void the camera warranty.
Ax83C camera accepts: DC12V, AC24V and PoE IEEE 802.3af, class 3 compliant.
Power Consumption: 7.5W max.

CLEANING

- For maximum optical clarity, the camera lens must remain clean.
- Use a blower to remove dust from the lens.
- Clean the body with a soft, dry cloth. If it is very dirty, use a cloth dampened with a small quantity of neutral detergent, then wipe dry.
- Do not use volatile solvents such as alcohol, benzene, or thinners, as they may damage the surface finishes.

PACKAGE CONTENTS

Ensure that the items received match those listed on the order form and the packing slip. In addition to this manual, the camera packing box includes:
- Fixed Box Network Camera w/ CMOS cover x1
- BNC Video Output cable x1
- 3 ft network cable x1
- Standard RJ45 Connector x2

x1   x1   x2
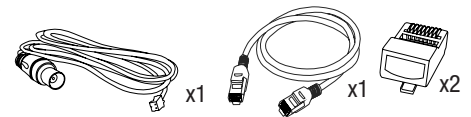
1. **Iris Control Port.** Connect lens' iris control cable for P Iris or DC Auto Iris control.
2. **CS Mount.** Remove the protective CMOS cover and attach compatible CS-mount lens (sold separately) or a C-mount lens with a spacer.
   Compatible i3 lenses:
   - L5 - 5 Megapixel Lens, 2.8-8.5mm, F1.2, P Iris
   - L6 - 8 Megapixel Lens (4K), 3.9-10mm, F1.5, P Iris
3. **Mounting Thread Hole.** Connect to a compatible i3 mounting bracket.
   - i3-6801HB - IP67, Vandal-proof di-cast aluminum housing with mounting bracket.
   - i3-6801HBR - IP67, Vandal-proof di-cast aluminum housing with IR illuminators and mounting bracket
   - D-i3-6800HB - IP66, Vandal-proof di-cast aluminum outdoor box camera housing with mounting bracket

D-i3-6800HB   i3-6801HB   i3-6801HBR

4. **I/O Connector.** Connect external devices: Audio IN/OUT (i3 Mo-1 microphone), Alarm IN1, IN2 (sensor inputs), Alarm OUT1, OUT2 (control outputs).
5. **RESET/DEFAULT.** Using a pointed object, press and hold the RESET/DEFAULT button for **1 second** to reboot the camera or continue holding for **6 seconds** to restore camera's settings to factory defaults.
6. Mini USB Port (reserved for factory use)
7. **Power LED.** Solid red LED indicates that the camera is powered ON.
8. **Video Out** port. Connect to a portable display monitor for camera view adjustment and lens focus during installation.
9. **DC 12V/AC 24V:** Power Terminal. (If using PoE power from your switch, do not use this connector). Connect the power terminals to a power supply.
   If using DC 12V power supply, make sure to connect the power connector to correct ports (Red+/White –).
10. **Green LED / Orange LED.** Solid green LED indicates a live network connection. Flashing orange LED indicates data being transmitted and received.
11. **ETHERNET/PoE port.** Connect the network cable to the network switch.
12. **ABF Pin-hole button.** (Automatic Back Focus). After mounting the camera and positioning it for the perfect shot, using a pointed object, press and hold the ABF button for **2 seconds** to automatically calibrate camera's back focus to achieve accurate focus.
13. **Micro SD card slot.** Insert a microSDHC/SDXC card into the slot for edge video recording and storage. Card sold separately.

INSTALLATION

Install the lens
1. Remove the protective CMOS cover.
2. Attach your lens onto the camera's lens mounting ring.
- CS-Mount lens: Attach the lens directly to the camera. i3 recommended lenses are CS-Mount lenses and do not require a spacer.
- C-Mount lens: You must mount the supplied CS-C mount adapter ring first and then attach the C-Mount lens.
3. Connect Auto Iris cable to the **Iris Control Port**. **❶**

Mount the camera
4. Mount the camera using the **Mounting Thread Hole** **❸** and a suitable i3's bracket/housing combo to mount the camera for an indoor/outdoor installation.
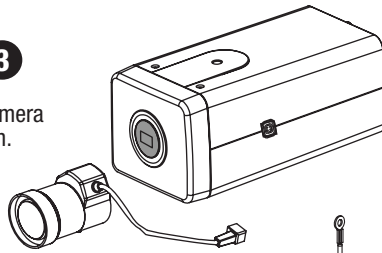
5. (Optional) Attach the safety wire (not included) to the safety wire screw.

Safety wire (not included) →
*Safety wire screw* →
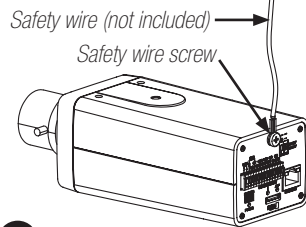
Connect all peripheral devices
6. Connect i3-recommended microphone and speaker to the AUDIO IN/OUT ports, if using. **❹**

7. Connect external input/output devices to the ALARM IN/OUT ports, if using. **❹**
8. Connect the camera to the network using the ETHERNET port. **❶❶**
9. (Optional) Insert microSD card into the slot on the camera, for edge recording (not included). **❶❸**

AUDIO ALARM
RS485 IN OUT COM1 COM2 GND GND
− + GND GND OUT1 OUT2 IN2 IN1
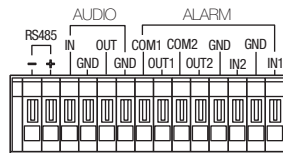
Connect the camera to a power source
- **PoE:** Using an Ethernet cable, connect the camera to a PoE-capable network device. Power will be supplied through the Ethernet cable. OR **❶❶**
- **DC12V or AC24V:** Use the power terminals on the rear panel. If using DC12V power supply, mind the polarity (Red+/White–). Do not use if using PoE power. **❾**

Adjusting the View and Focus
10. Position mounted camera for the desired field-of-view.
11. Connect the camera to the SRX-Pro Server to preview video image (see instructions in the box on the right).
12. Adjust lens' zoom and focus.
13. If the accurate focus is not achieved by using lens' adjustment controls, press and hold the ABF pin hole button for 2 seconds to calibrate camera's back focus for an accurate focus.

Scan this QR code to view and download the full User Manual for this camera. Please contact our Technical Support team if you have any questions or concerns regarding camera installation or if you require software services or support. Technical support can be reached by email at: **support@i3international.com** or by phone toll free **1.877.877.7241**.

Scan for complete User Manual

CONNECT CAMERA TO i3 SRX-PRO SERVER

LAN — Via Gigabit Switch —
i3 SRX-Pro Server
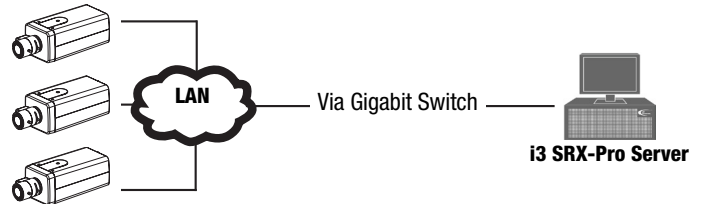
Camera's default IP: **192.0.0.16.**
Default Login: **i3admin;** Default PW: **i3admin**

Change your Annexxus camera's default IP Address:
1. Close SRX-Pro Server software by pressing **Alt+Shift+Ctrl+F4**.
2. Change the IP address of the onboard NIC (LAN) of your SRX-Pro Server (or of NIC1 if your SRX-Pro Server has two onboard NIC cards) to 192.0.0.XXX to match the default IP range of your Annexxus IP camera.
3. Connect your Annexxus camera to i3 SRX-Pro Server (see diagram above).
4. Restart SRX-Pro Server software. Log in and go to the Setup -> IP Camera tab. 　　　　　　　　　　　*Config Tool*
5. Click **ACT Config Tool** icon. If your NVR does not have Annexxus Configuration Tool, download and install it from http://i3international.com/download website.
6. In ANNEXXUS Configuration Tool window, a list of active network cameras will be displayed. Select your desired camera in the list.
7. Enter the new IP address and Subnet Mask of the camera in the Device(s) Communication Update area and click Update. The new camera IP address must match the original range of your SRX-Pro LAN or NIC1 card. E.g. If your original SRX-Pro Server's IP address was 192.138.10.122, change your Annexxus camera's IP address to 192.138.10.XXX.
Remember: Annexxus Cameras cannot share an IP address, each camera requires its own unique IP address.
8. Wait a few moments for a "Success" message in the Result field.
9. Repeat Steps 7-9 for all detected Annexxus cameras in the ACT.
10. Change the IP address of the NIC back to its original setting (reverse Step 2).

Ensure you can connect to your camera using its new IP Address:
11. Open an Internet browser window and enter the new IP Address you have just assigned to your Annexxus camera in Step 7.
12. Enter the default camera User Name and default Password in the pop-up login window.
13. Annexxus camera interface will be displayed in the Internet Explorer window.
You should be able to see the camera image on the screen.
If you do not see the camera image on the screen, call i3 International technical support team for troubleshooting tips: 1.877.877.7241

Add your Annexxus camera to IP Camera tab in SRX-Pro Server:
14. Ensure that the latest version of GiPi updater is installed on your Server. Latest GiPi available from http://i3international.com/download.
Note: SRX-Pro must be closed while GiPi updater is installed. After GiPi updater installation, start i3 SRX-Pro Server software again.
15. Log In and go to the **Setup** > **IP Camera** tab.
16. Click the **Search & Add** button to display connected Annexxus cameras.
17. Select the detected camera in the list and click **Select**.
18. In the Select IP Camera window, enter the default camera User Name and Password, then click **Add**. Selected camera will be added to the IP Camera list.
19. Assign the IP camera to the SRX-Pro video channel in the **Ch In.** column.

Your Annexxus camera is now connected to SRX-Pro Server and is ready to record. You may change resolution and frame rate for the Annexxus camera in the IP Camera tab menu or you may choose to configure the camera's settings via Web Setup.