

Illustra Flex Series
1MP Wireless Cube

ADCi600F-W012™ / ADCi600F-W012n

1. Product Overview

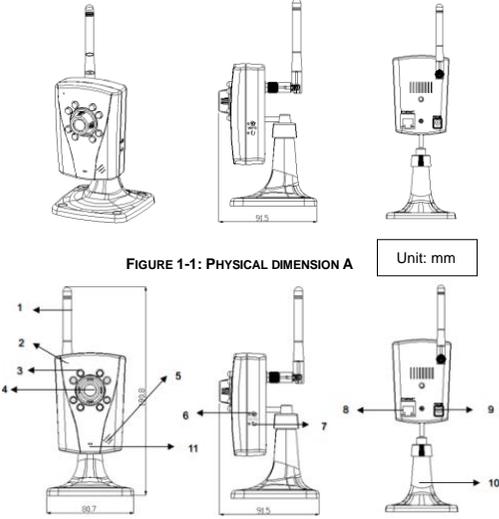


FIGURE 1-1: PHYSICAL DIMENSION A Unit: mm

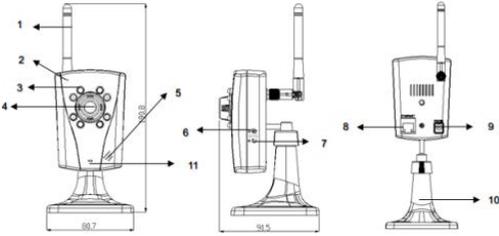


FIGURE 1-2: PHYSICAL DIMENSION B & PICTORIAL INDEX*

*Refer to table 1-1 for definitions

TABLE 1-1: PICTORIAL INDEX DEFINITION

Index #	Name	Description	
1	WIFI antenna	Sending/receiving radio signals from computers or other WIFI facilities for wireless communication	
2	MIC	Audio IN	
3	Infrared LED*	Illumination for night vision	
4	Lens	Fixed lens	
5	Speaker	Audio OUT (Optional)	
6	Default Button	<ul style="list-style-type: none"> Resetting the unit to factory default (press and hold for 5 seconds) This button also has WPS function. Please press and hold this button around 2 sec then WPS will be connecting. 	
7	Reset Button	Rebooting the system.	
8	RJ-45 Ethernet Connector	Wired network connection socket	
9	Power Terminal	Inlet for the power adaptor (DC 5V±10%, 1.5A)	
10	Unit stand	The unit's body support	
11	LED Indicator	Red Light On	Wired Network Ready With Networking
		Red Light Blinks	Wired Network Ready Without Networking
	Blue Light On	<ul style="list-style-type: none"> Wireless Network Ready With Networking and AP connection When ad hoc of WIFI mode is enabled and networking, the blue light will turn on. WPS ready and connection 	
	Blue Light Blinks	Wireless Network Ready Without Networking and AP connection	
	Blue Light Blinks rapid	WPS ready without networking	

* D/N mode setting is auto. Cube network camera with IR ON will automatically switch to B/W mode when the illumination is under a certain threshold.

- Note**
- Once wired networking is unavailable, please press and hold the default Button for 5 seconds to restore the unit to factory default settings so you may reach the unit at its default IP address for good. Please use Illustra Connect to find the IP address again.
 - If you want to use wireless network, you can press and hold Default (WPS) button a few seconds to connect the network. The LED status will turn blue after WPS successful connection. Otherwise, the blue light will always blink rapid. When WPS can't success connection, please repeat the operation.

2. Installation and Connection

2.1 Unpack Everything

Check everything in the packing box matches to the order form and the packing slip. In addition to this manual, items below are included in the packing box.

- One unit of Megapixel Wireless Cube Day/Night Network Camera
 - One set of WIFI antenna & unit stand
 - Four TP4x15mm tapping screws
 - Four screw anchors
 - One CD containing the Illustra Connect, user manual and quick installation guide
 - One mounting template
 - One power adaptor (ADCi600F-W012)
 - One printed quick installation guide
- Please contact your dealer if any item missing.

2.2 Installation

Following tools might help you complete the installation:

- a drill
- screwdrivers
- wire cutters

2.2.1 Checking Appearance

When first unboxing, please check whether if there is any visible damage to appearance of the unit and its accessories. The protective materials used for the packaging should be able to protect the unit from most of accidents during transportation. Please remove the protective part of the unit when every item is checked in accordance with the list in 2.1 Unpacking Everything.

2.2.2 Connecting the wires

- Connect the DC 5V power adaptor to camera.
- Connect the network cable to the RJ-45 terminal of a switch.

2.2.3 Mounting

The WIFI antenna and the unit stand are the necessity to mount a complete unit.

- WIFI antenna
- Camera's body
- Unit stand

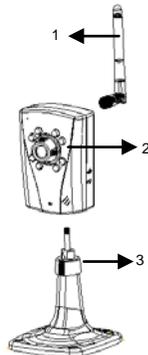


FIGURE 2-1: ACCESSORY ASSEMBLY EXPLODED VIEW

This unit has two ways to mount. You can attach the stand to one of holes at either end, one is at the back of the unit; the other, bottom, of the unit as the following figures.

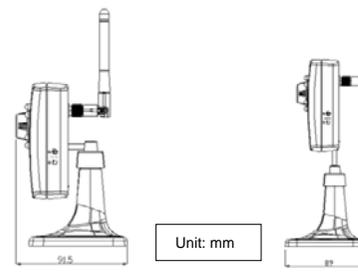


FIGURE 2-2: ACCESSORY ASSEMBLY SIDE VIEW

After the unit assembled, mount the unit to the ceiling or wall by steps below.

- Attach the mounting template to the ceiling or wall.
- Drill four holes, and then insert the screw anchors into the holes.
- Secure the bottom case of the unit to the ceiling or wall with the TP4x15mm tapping screws.

Note Depending on the material of your mounting surface, you may require different screws and anchors than those supplied.

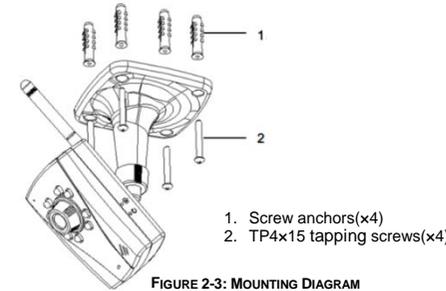


FIGURE 2-3: MOUNTING DIAGRAM

2.3 Connection

2.3.1 System Requirements

Below table lists the minimum requirement to implement and operate A100WIRF unit. No hardware/software component underestimated is recommended.

TABLE 2-1: SYSTEM REQUIREMENTS

System Hardware	
CPU	Intel Pentium 4 2.4GHz or equivalent
RAM	1 GB
Display	NVIDIA GeForce 6 Series or ATI Mobility Radeon 9500 (DirectX 9 compatible)
System Software	
Operating System	Microsoft Windows XP, Windows Vista, or Windows 7
Browser	Microsoft Internet Explorer 8 or above
Unit	
Power Supply	DC 5V
Networking	
Wired	10/100BASE-T Ethernet (RJ-45 connector)
Wireless*	Wi-Fi wireless networking (based on IEEE 802.11n specification); IEEE 802.11 b/g/n compatible

*Effective wireless connection speed varies from environments and distances between access points.

Note All the installation and operations should comply with your local electricity safety rules.

2.3.2 Connecting from a computer

The camera can deliver video images and audio in real time using the Internet and Intranet. It's equipped with Ethernet RJ-45 network interface.

There are two kinds of connection methods for your selection. One is wired connection and the other one is wireless connection.

Way 1: Wired connection

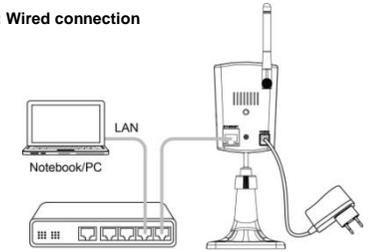


FIGURE 2-4: WIRED CONNECTING FROM A COMPUTER

Note The status LED of camera will turn red when obtaining an IP address and the network connection is processing.

Way 2: Wireless connection

- Press and hold the WPS button on your Camera for 2 seconds. The LED should blink blue light rapid.
- Within one minute, press the WPS button on your router.

Note The status LED of camera will turn blue when obtaining an IP address and the network connection is processing.

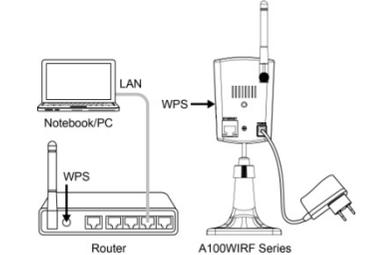


FIGURE 2-5: WIRELESS CONNECTING FROM A COMPUTER

2.3.3 Default IP address

Since this is a network-based unit, the unit's default IP address was assigned by Router in DHCP server mode. Please enabled a DHCP server in your network, the unit would obtain an IP address automatically from the DHCP server so that you don't need to change the camera's IP address.

2.3.4 Internet options setting from PC

- Please open network connection status and then click Properties.

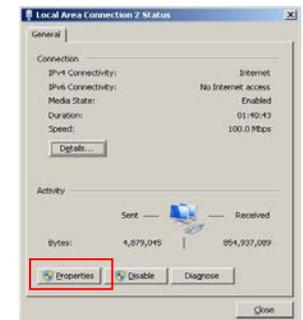


FIGURE 2-6: INTERNET OPTIONS 1/3

- Enable IPv4 in Internet options.

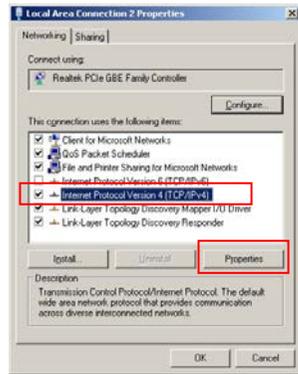


FIGURE 2-7: INTERNET OPTIONS 2/3

- Also, click Properties and set to obtain an IP address and DNS server address automatically.

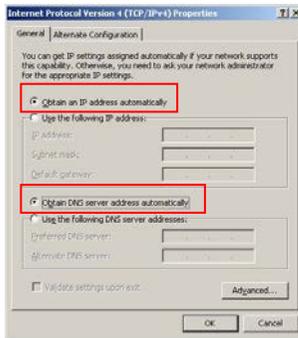


FIGURE 2-8: INTERNET OPTIONS 3/3

- Before starting Internet Explorer, please use Illustra Connect to find the default IP address.

2.3.5 Using the illustra Connect Tool to Manage Cameras

In addition to using the IE browser to access your camera, you can alternatively use the provided tool, illustra Connect. illustra Connect is a management tool designed to manage your network cameras on the LAN. It can:

- help you find multiple network cameras
- set the IP addresses
- show connection status
- manage firmware upgrades

For further information on illustra Connect, refer to the illustra Connect User Guide, located on the CD supplied.

2.3.6 Verify connection between PC and IP Camera

- Check whether if the networking available between the unit and the computer by executing ping the default IP address. To do this, simply start a **command prompt** (Windows: from the **Start Menu**, select **Program**. Then select **Accessories** and choose **Command Prompt**.)
- At the prompt window, type "Ping x.x.x.x", where x.x.x.x is the IP address of the camera (the default address of IP camera is **192.168.1.168**). If the message "Reply from..." appears, it means the connection is available.

2.3.7 Viewing Preparation

Images of the unit can be viewed through Microsoft Internet Explorer 8 or above. Before viewing, follow these steps to enable the display.

1. Enable Cookies as instructions below
 - In Internet Explorer, click Internet Options on the Tools menu.
 - On the Privacy tab, move the settings slider to Low or Accept All Cookies.
2. Click OK.
2. When a proxy server is used, click Internet Options on the Tools menus of Internet Explorer, select Connect tab, click LAN button, and set proxy server.
3. Change Security in Internet options as instructions below.
 - On tool menu, click Internet Option.
 - Press the Security tab.
 - If the camera operates inside of the intranet, click the Intranet icon.
 - If the camera operates outside of the intranet, click the Internet icon.
 - Click Custom Level. This will open the Security Settings – Internet Zone screen.



FIGURE 2-9: SECURITY SETTINGS 1/4

- Scroll down to the ActiveX controls and plug-ins radio buttons and set as follows:

- 【Download signed ActiveX controls】→ Prompt (recommended)
- 【Download unsigned ActiveX controls】→ Prompt
- 【Initialize and script ActiveX not marked as safe for scripting】→ Prompt

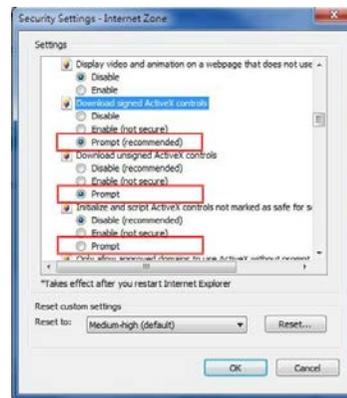


FIGURE 2-10: SECURITY SETTINGS 2/4

- 【Automatic prompting for ActiveX controls】→ Enable

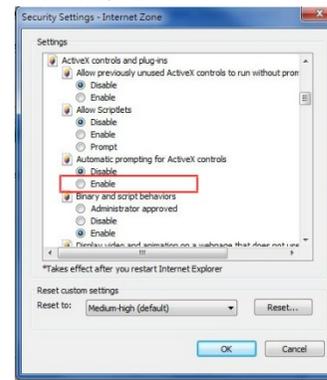


FIGURE 2-11: SECURITY SETTINGS 3/4

- 【Run ActiveX controls and plug-ins】→ Enable

- 【Script ActiveX controls marked safe for scripting*】→ Enable

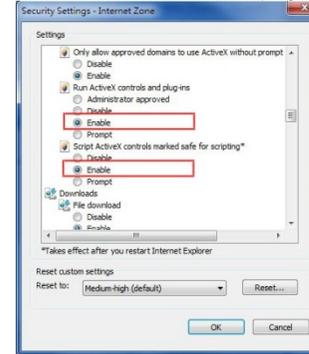


FIGURE 2-12: SECURITY SETTINGS 4/4

- Press OK to save the settings.
- Close all Microsoft Internet Explorer Windows and restart a new window. This will allow the new settings taking effect.

2.3.8 Login Window

1. Type your setting IP address into the browser.
2. A login window should pop up.



FIGURE 2-13: LOGIN WINDOW 1/2

- In the window, please enter the default user name: **admin** and set password/password (confirm) to login window.
- If you are the first time to login window, you can set a favorite password then Save it. The password will be memorized on the system. Please don't forget the password when you login IP website again.



FIGURE 2-14: LOGIN WINDOW 2/2

3. If user name and password are correct, you should be able to see the camera image screen.
4. Further administration information on the unit can be found in User manual 3. [Administration and Configuration](#).

WARNING

- This unit operates at DC 5V.
- Installation and service should be performed only by qualified and experienced technicians and comply with all local codes and rules to maintain your warranty.
- To reduce the risk of fire or electric shock, do not expose the product to rain or moisture.
- Wipe the camera with a dry soft cloth. For tough stains, slightly apply with diluted neutral detergent and wipe with a dry soft cloth.
- Do not apply benzene or thinner to the camera, which may cause the surface of the unit to be melted or lens to be fogged.
- Avoid aligning the lens to very bright objects (example, light fixtures) for long periods of time.
- Avoid operating or storing the unit in the following locations:
 - ✓ Extremely humid, dusty, or hot/cold environments (recommended operating temperature: -10°C to +40°C)
 - ✓ Close to sources of powerful radio or TV transmitters
 - ✓ Close to fluorescent lamps or objects with reflections
 - ✓ Under unstable or flickering light sources

