

WIFI Video Inspection

Model: KC-363

Operation Manual



WIFI Video Inspection

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Overview

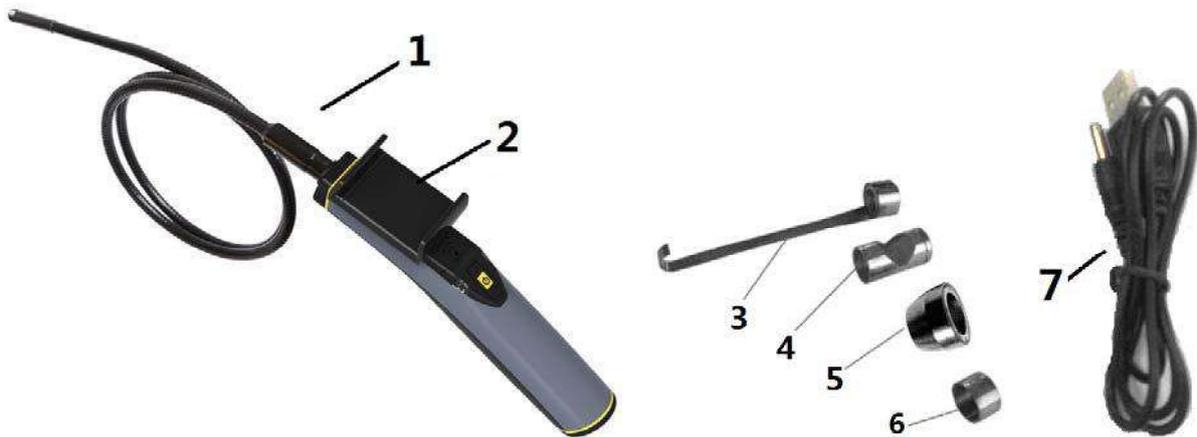
KC-363 WIFI video inspection has been designed as a user friendly and economical way of solving hidden problems and increasing productivity. (eg. Inspect vent pipe and system of air conditioner, machine equipment, engine and so on).

The unit uses WIFI technology and supports iPad/ iPhone/ Android/ MS NoteBook, and computers with WINDOWS system and wireless network card which comply with IEEE802.11n. The unit allows multiple devices to connect at the same time and displays clear real-time images. Also, you can connect the unit with homely wireless router. In this way, it is convenient for specialists to interview the real-time image via internet to guide and analyze your inspection.

The unit equips with a detachable fixture which can facilitate the installation of the mobile phone. When needed, use the fixture to install the phone above the unit's grip. The unit has a probe with the length of 1m and diameter of $\Phi 9\text{mm}$ (customized camera head and probe also available). Four adjustable LED lights set around the camera head help the user to see inside dark gaps and holes. Several accessories can be equipped on the tip of the probe, making it more flexible. The accessories include magnetic, mirror, hook and screw protector.

KC-363 has built-in polymer lithium battery, also could use 5V DC adapter or USB port for charging with LED indicator. It has the advantages of small size, stable performance, easy operation and portability. It is widely used in applications such as the industry, the building, the aviation, the vehicles maintenance.

Product Configures



- | | |
|-----------------------|----|
| 1. Main body | ×1 |
| 3. Hook | ×1 |
| 5. Magnetic | ×1 |
| 7. USB charging cable | ×1 |

- | | |
|---------------------------|----|
| 2. Mobile phone fixture | ×1 |
| 4. Mirror | ×1 |
| 6. Screw thread protector | ×1 |

Technical Specifications

Name	WIFI Video Inspection	
Model	KC-363	
Recommended use	Indoor	
WIFI range	more than 25 meters in wide open spaces	
Camera head spec.	Viewable angle	About 60°
	Outer diameter of camera head	Standard 9mm
	camera head focus	50mm
	Visible range	12.7 to 305mm
	Probe length	Standard 1m (2m or 3m needs to be customized)
	Light source	4 High lighting LED
	Protection	Probe and camera head IP67
Camera head accessories	Magnet, hook, mirror and screw thread protector	
Video	Image sensor	VGA CMOS (300,000 pixels)
	Compress mode	Motion-JPEG-N
	FPS	30fps
	Image resolution	640×480 pixels
	Image adjustment	Brightness, contrast, color saturation and gain can be adjustable
	White balance and backlight compensation	AWB and ABLC
Internet	Wireless network standard	WIFI 802.11 b/g/n
	Wireless Certification	WPA/WPA2/WE and so on
	Video upload	Connect home wireless router wirelessly and transmit the video to Internet
	Internet access	connect the internet via home wireless router
	Support IP address	Static IP address, dynamic IP address
	Web service	Support configuration based on WEB explorer (with password protection)
	Support WIFI platform	Support iPad / iPhone / Android / MS NoteBook/WINDOWS
Attachment	USB charging wire (use adapter of ipad and iphone, compatible with all computer)	
Mobile phone fixture spec.	Smart phone with the width of 55~85mm	
Power supply	output 5V DC and input 3.7V polymer Lithium battery	
Inside battery capacity	3.7V/1200mAh	
Charging time of inside battery	About 3 hours	
Battery life	More than 2 hours	
Operating temperature	0℃~45℃	
Operating humidity	RH 5%~95% non-condensing	
Storage temperature	-20℃~+60℃, ≤85% (w/o battery)	
Dimension	266mm×44mm×80mm (the probe length is about 1m, the fixture is not included)	
Weight	About 375g (1m probe is included, the fixture is not included)	

IP ScopeView Software Instruction

IP ScopeView software is a private client used for WIFI video inspection working with iPhone, iPad, Android platform and Windows PC. After installing this software, you can view video in real time, save the image and take a video.

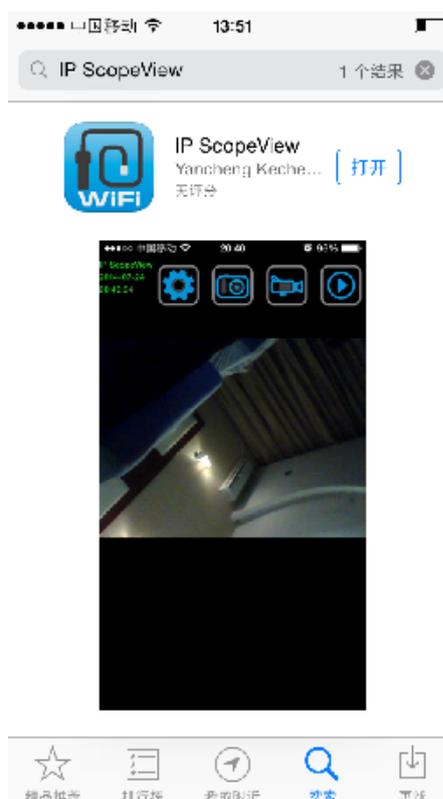
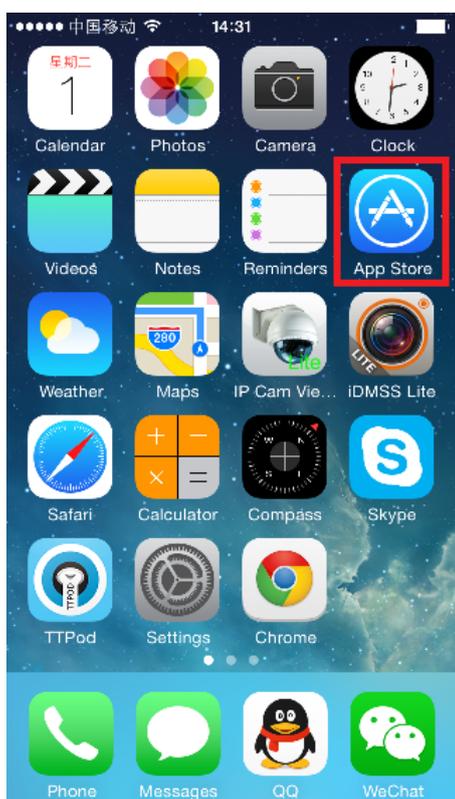
The software has different versions for different intelligence platform, which can be used for simultaneously connecting WIFI video inspection in multi-platform versions. Please choose a different version of the software to install according to your own terminal platform type.

- For iPhone: please download and install IP ScopeView in Apple store;
- For iPad: please download and install IP ScopeView HD in Apple store;
- For Android phone/pad: please download and install "IP ScopeView" in "Google Play Store", "Amazon App store", "Android Market" or "360 Mobile Assistant", or you can also directly use the file "IP ScopeView.APK" in CD to install.
- For Windows PC: Please install the file "ScopeView.exe".

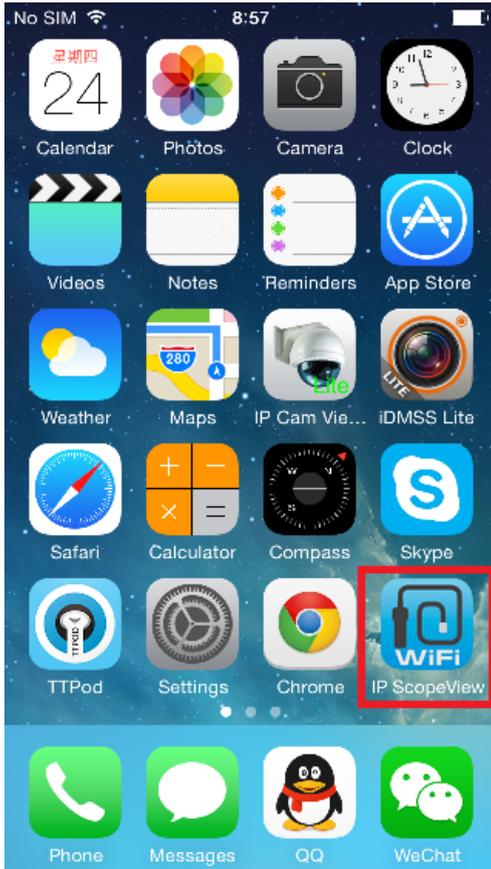
● Installation method of IP ScopeView Software for iPhone/iPad Platform

Please choose the relevant client and install the software according to your platform type. The following are the instructions for IP ScopeView via iPhone platform

1. Search the IP ScopeView in Apple store and install the software.



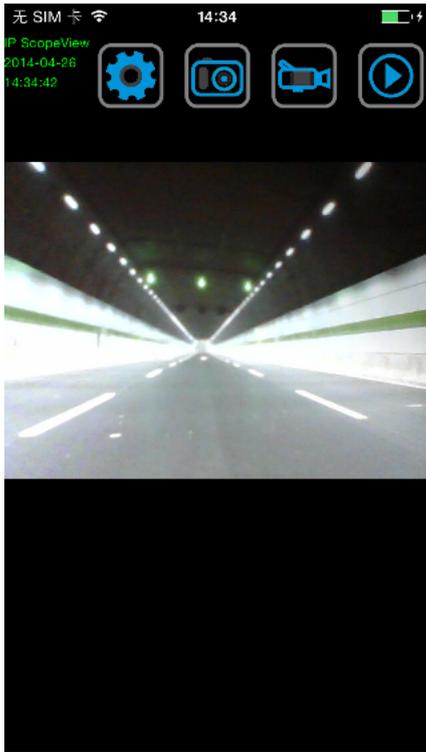
2. After installation, you can find the application icon of IP ScopeView.



3. Turn on the product, after fully started, open the mobile setting and find Wi-Fi, select “IP BoreScope” and connect.



4. Run the software IP ScopeView, as shown in the figure below, the software directly enters into real-time image display mode and display real-time images of the inspection camera. iPhone can adjust the image display direction according to its own position; or you can also lock the screen for non-rotation.



5. At this time you can operate the every button on the real-time interface in order to

achieve the corresponding function, click the button  to take a picture;

6. Click the button  to start the video recording. While red marker and video duration

is displayed on the screen, click the button  again to stop recording.

7. Click on the image window, it will freeze the screen. When the center of the screen to

display the symbol  is displayed in the center of screen, you can press the button

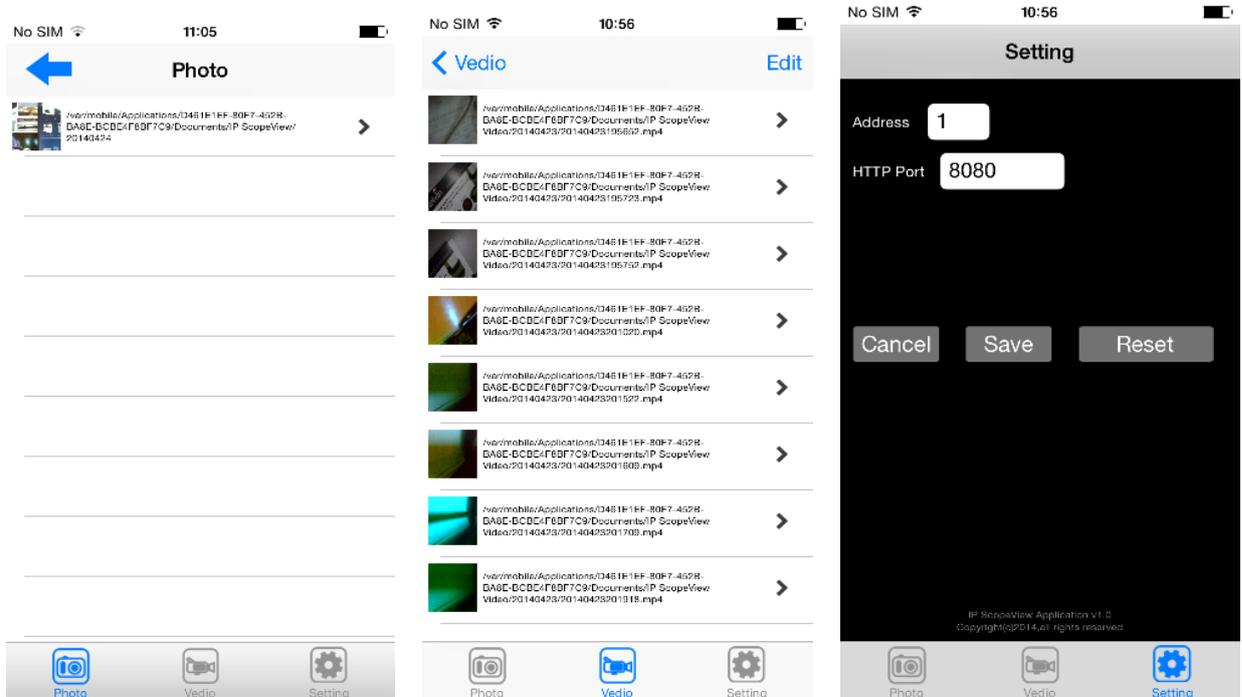
 to save the freezing picture. Click on the picture window again to return to display real-time images. (Tip: Freezing operation will not affect the recording functions; at this time the recoding images is the real-time observation of the camera in the backstage.

8. Click the button  to modify parameters which is suggested not be revised. Then

Click the save button  to return to real-time image.

9. Click the button  to enter the view mode, you can review and delete the photos that you have taken.

Enter to display photos folder  as default; click the button  below the screen into the video folder; click the button  to enter the setting interface. In view mode, click button  on the top screen to return to the screen in real time. Hold the icon of pictures and videos to export your photos or video files to iPhone system, in order to facilitate the other application you use to view.



Tip: When recording, the uncompressed raw video files are saved synchronously. When you stop recording, the software will zip the video file in the backstage, and replace raw video automatically after finishing compression.

● Installation method of IP ScopeView Software for Android Platform

Android platform configuration requirements: Resolution 800 * 480 or above

Method 1: Download and install "IP ScopeView" from "Google Play Store", "Amazon Appstore", "Android Market" or "360 Mobile Assistant".

1. Firstly, after your device is connected to Internet, download and install any of the above Android application store client, open the client and search to download IP ScopeView for installation.
2. After the installation is completed, you can find the application icon of IP ScopeView  , the operating methods are similar to iPhone/iPad platform, and you can refer to the above 4 to 10 steps of IOS version.

Method 2: Use CD file setting method following:

1. First, need setting on the Android platform: Setting——Applications——Tick “Unknown source”; Setting——Applications——Develop——Select “USB debug”.
2. Put the mating CD into the PC’s CD-ROM, open the CD-ROM, and find “IP ScopeView. APK” applications, and stored into the Android memory card , find file manager in the Android and click the file to install directly; You can also connect a computer with a USB cable, hen Then via APK installer by computer(such as 91 mobile assistant, pea pods, etc.) to install the application.
3. After installation is complete, you can find IP ScopeView applications icon  , the software function is similar to iPhone/iPad platform, and you can refer to the above 4 to 10 steps of IOS version.

● Installation method of IP ScopeView Software for Windows PC

This product supports WINDOWS system and wireless network card which comply with IEEE802.11n IEEE802.11n (supports Windows XP / Vista / 7/8 32/64 bit systems).The following are the instructions for ScopeView installation under Win7 system as an example.

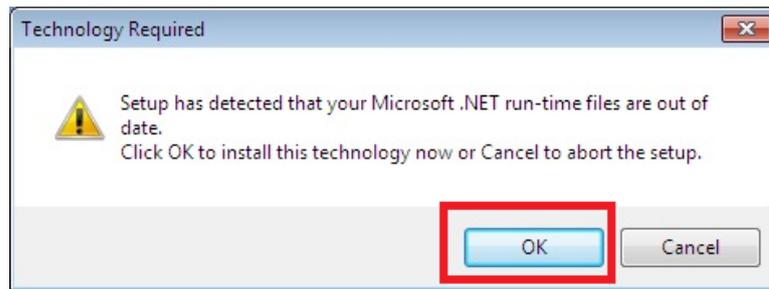
Software Installation

1. Put the included CD into the CD driver and open it to double click the

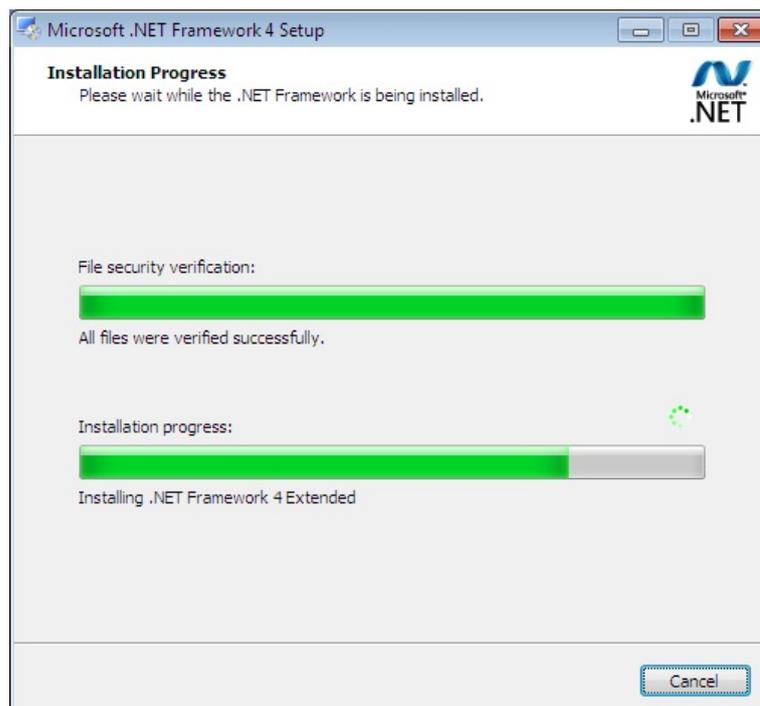
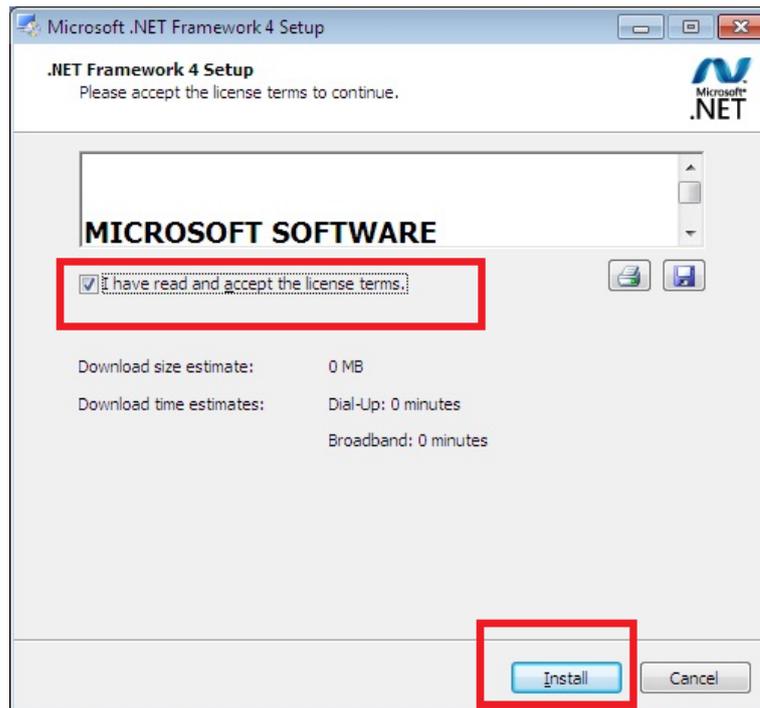


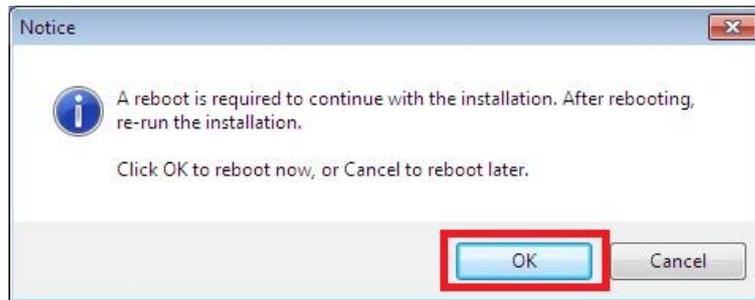
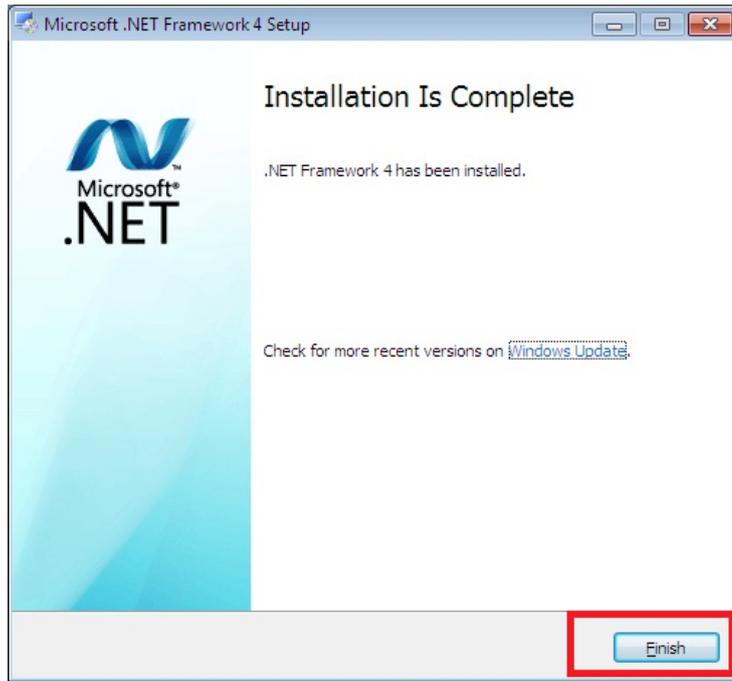
and install the software following the tips.

If the assembly “Microsoft. NET framework 4.0”has been installed in your computer, you can go directly into software installation process Step 2 below; If not, the hint of auto installation will display and click OK to install the components.

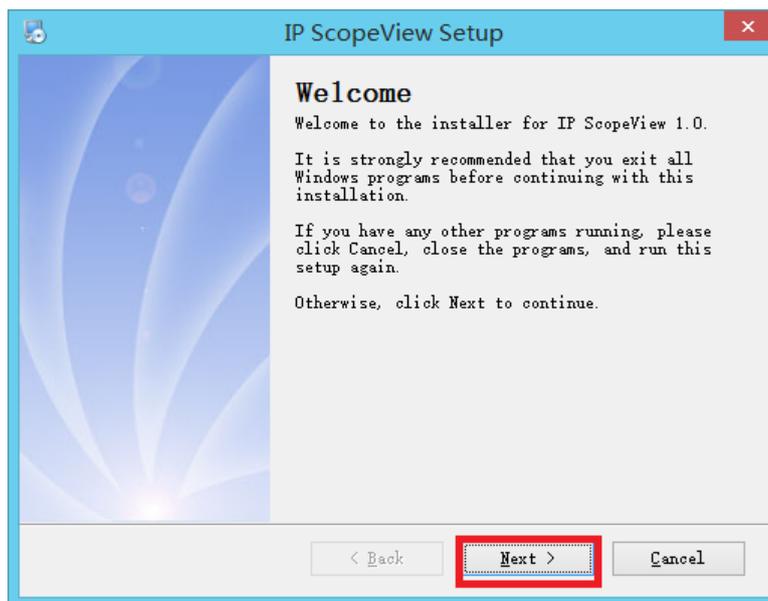


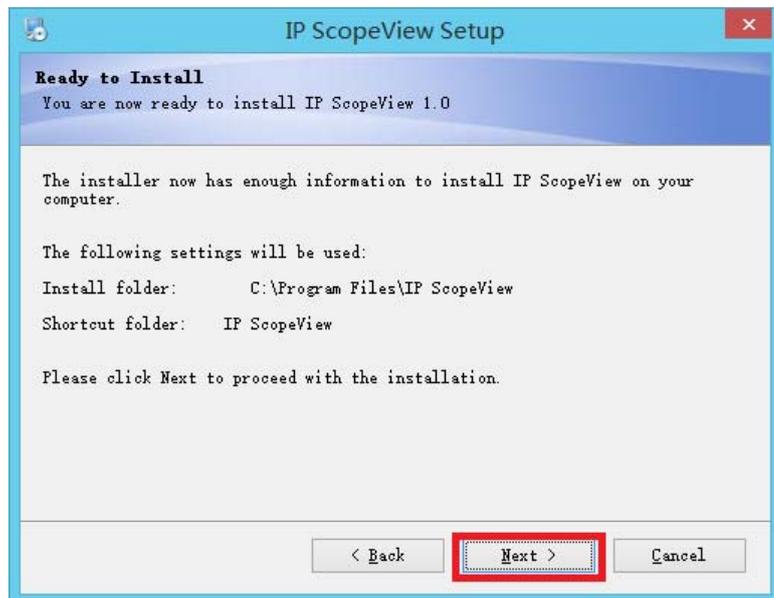
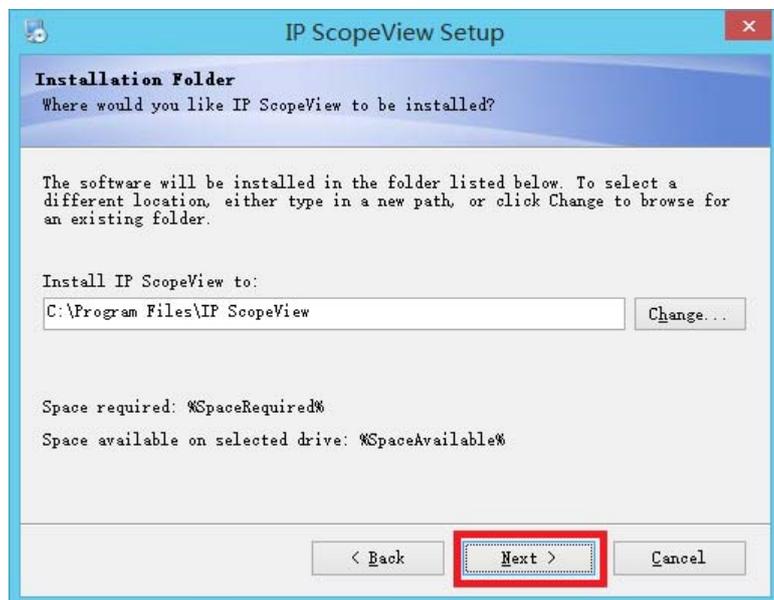
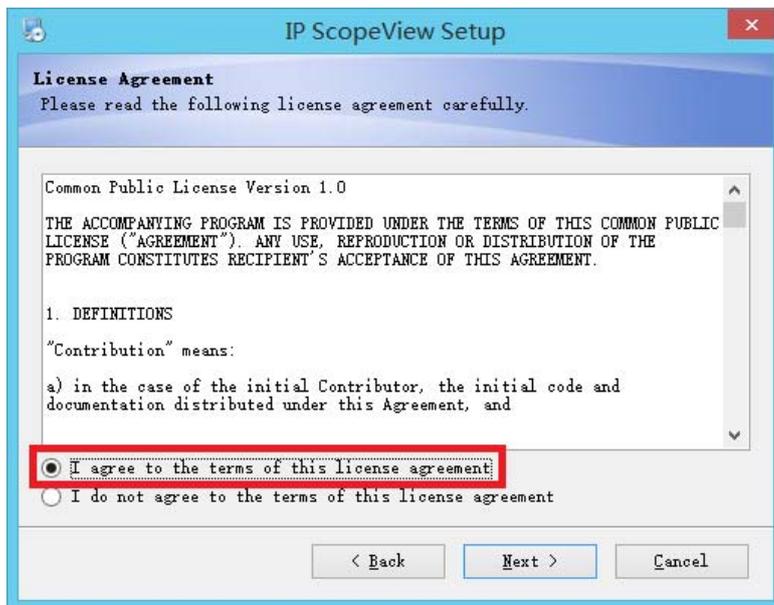
Select this option "I have read and accept the license terms" and click the "Install" to install the components. After finishing installation and click "Finish" to complete the installation, click the "OK" on the pop-up window to restart the computer.

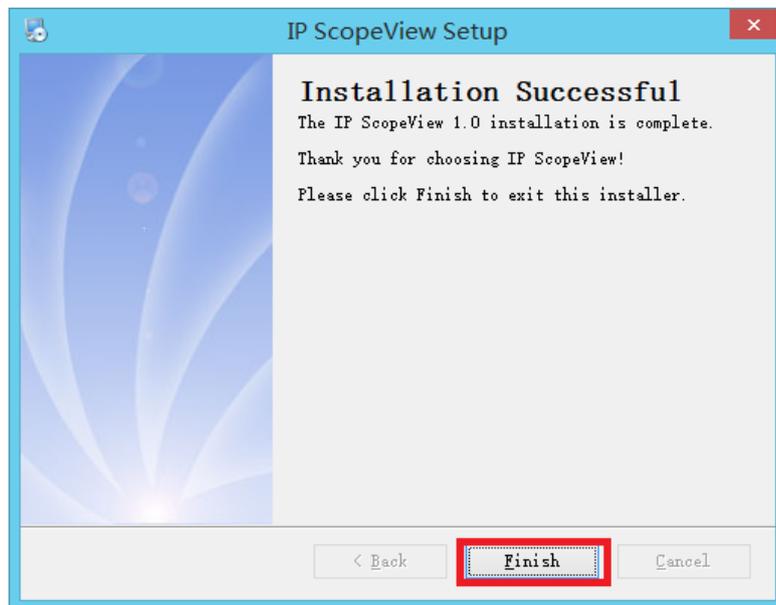




2. Restart the computer, click  ip scopeview.exe Setup Application 9.1.0.0 install again can enter into the following software setting process directly.



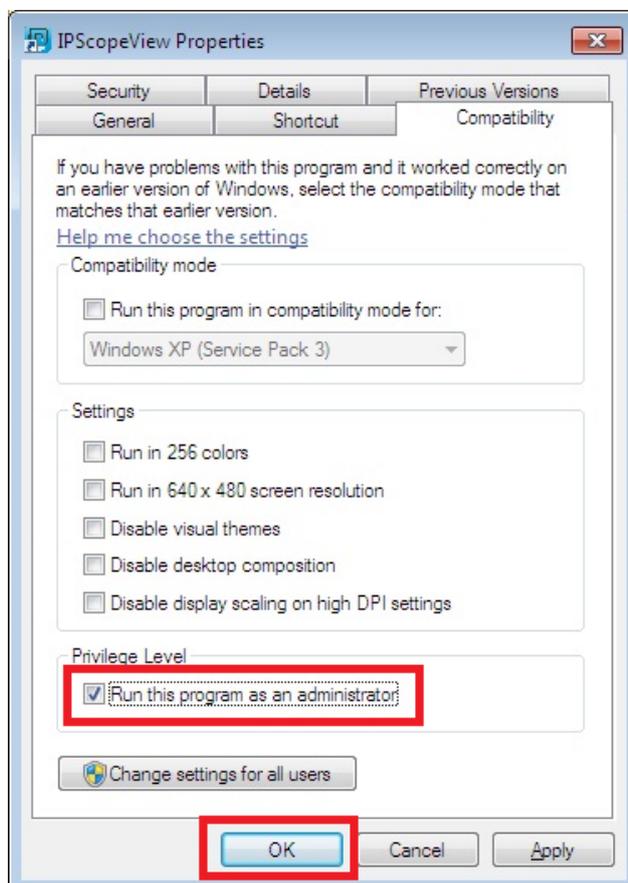




3. IPScopeView w will display on the desktop after installing completely.

Tip 1: When the software is used on Vista / WIN7 / WIN8 system, please set the

software running as administrator permission. Setting method is right-click on  —Property—Compatibility—Tick “as Administrator Run this program” —OK.



Tip 2: When the software is used on XP system, If the video cannot play, it means your computer is missing WMP Decoder, please check if “windows media player” install complete in your computer, and double click WMP Codec Packages

file  media.player.codec.pack.v4.3.3.setup.exe in the CD, please install following the prompts finally, click OK, and restart the computer.



Uninstall software

Click “Start” → “Program” → “IP ScopeView” → “Uninstall IP ScopeView” → “Confirm”, can complete uninstall the software.

Use of software

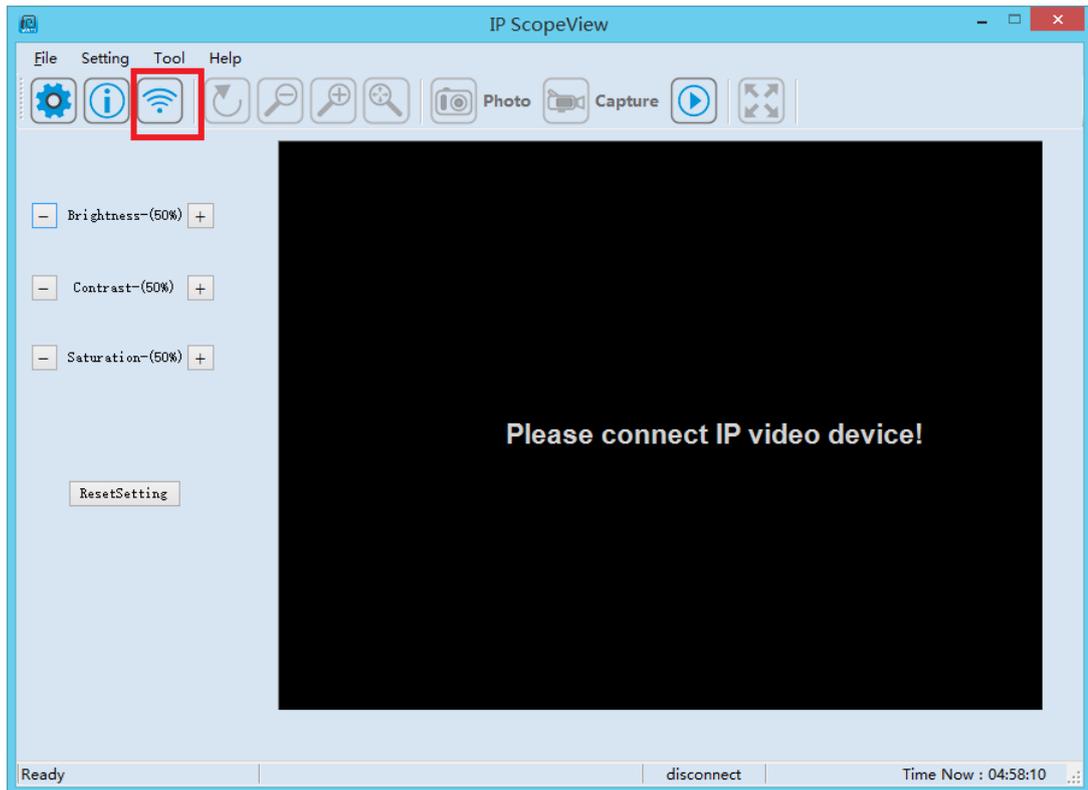
1. Open the tester host, waiting for it start complete, the wireless network will reminder on the computer screen, then select "IP BoreScope" to connection.



2. Double click  on desktop to access the Real-time display interface of software, as shown below, image window display the real-time image observed by inspection tester camera.



Tip: When the host under the circumstance of Disconnected as shown below will appear after start software, you can check it and connected the unit, click  button to start image, you can click  button again to disconnect the image.

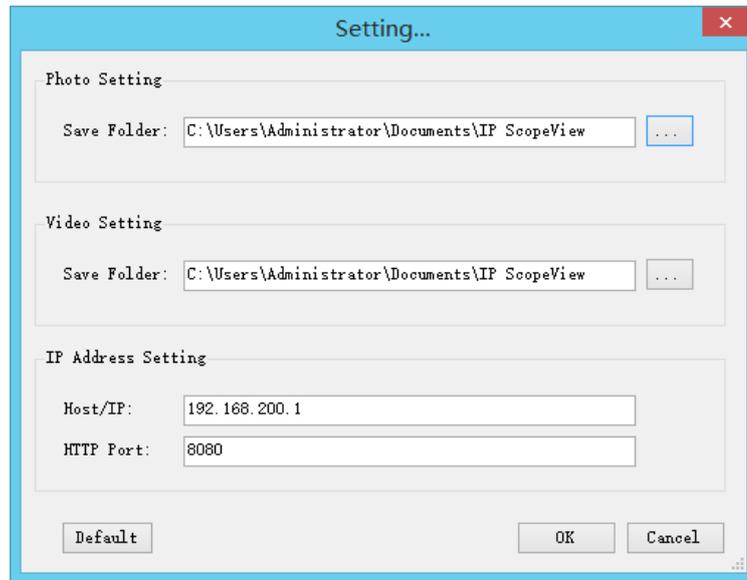


3. You can operate every button on real-time interface in order to realize the function of the corresponding when real-time image display. On the left side of main interface, there are equipped with image brightness、contrast ratio、chrominance adjustment button, used to adjust the display effect of image;  Button used to renew the image parameter to default.

4. Click  Photo button, can take one picture.

5. Click  Capture button, begin video, at the same time Capture button change to  **Stop** click  **Stop** again to stop video.

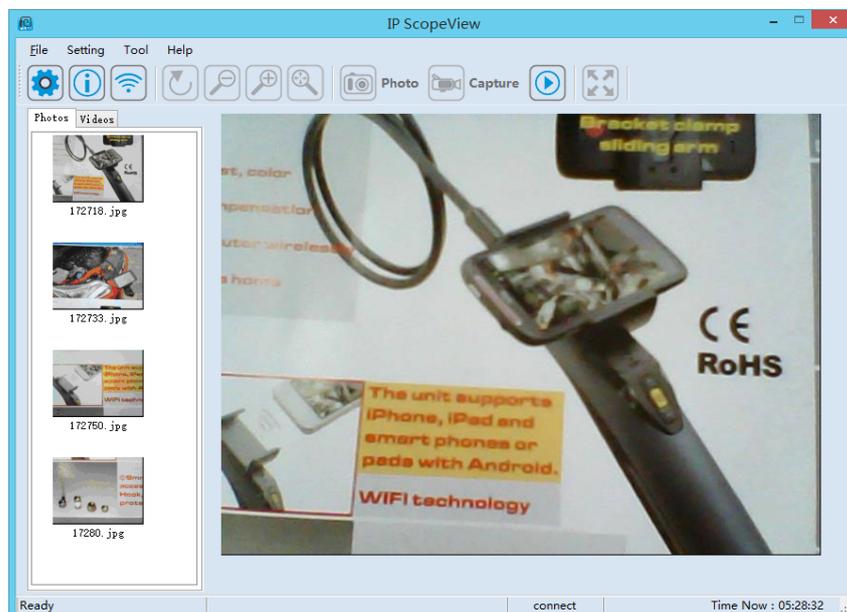
6. Click , popup the set window as follow, you can set the file to save the images or videos、 set the IP address and port number of software receive images, should be same as the equipment. It is recommended that do not modify the default values.



7. Click  button, image 90 degrees for every pushing, meanwhile rotation angle note will display on the information bar of the bottom of the window.

8. Click the button ,  or  to zoom in and out the image or return to the initial size. Meanwhile the corresponding magnification will display on the information bar .

9. Click the button  to enter the viewing interface, as shown below, the image window displays the current folder record pictures or video files, the left window lists the current folder of images or video files, double-click the appropriate file folder icon, the right of the main window shows the corresponding picture.



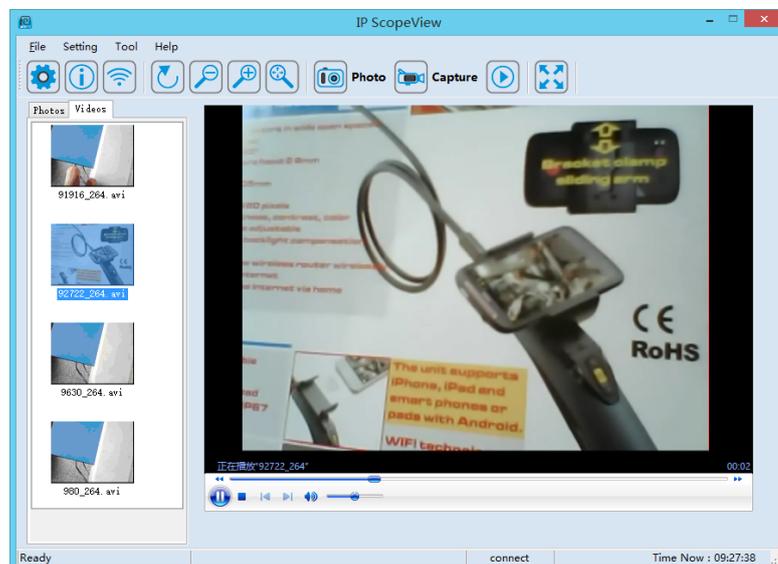
Right click corresponding icon on the left side may choose to delete or save the file.



10. In view interface, click photos on the left side of interface (picture folder) or Videos (video folder), you can switch the display picture or video files in the appropriate file folder under setting path; Folder interface to display the video as below, double-click corresponding video file icon on the left, then the right side of the main window will play the corresponding video files. By clicking play , ,  below the window. Click the button to play, pause and stop the video.



Playback progress and time will display, click the progress bar can change the course of playback; click the button  or double-click the main screen window to enter full-screen playback screen, double-click again to exit.

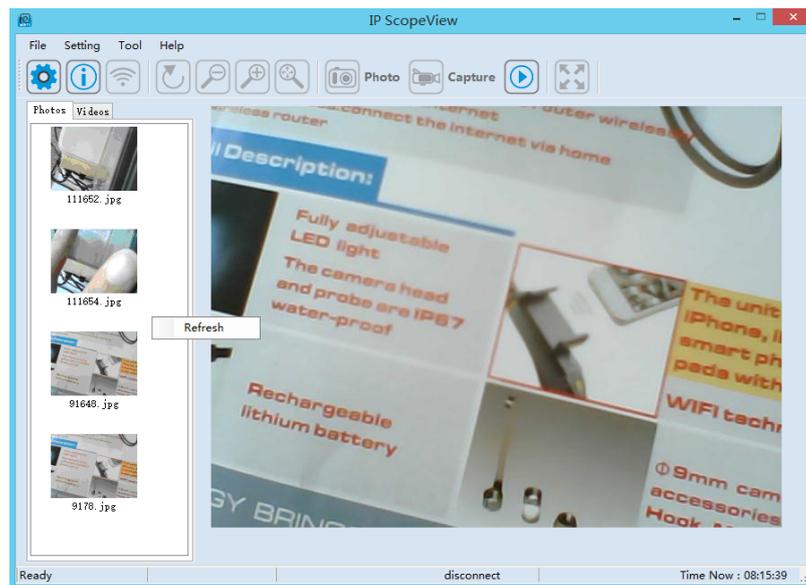


Tip: Click  button again to exit the viewing interface and return to real-time image.

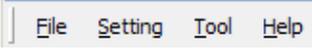
11. Other features Description

 —Tips for software

Right-click in the blank when view the menu, it will show the option “Refresh”, Clicking this option will refresh the display files in the current menu as show below.



Tip: When you stop recording, in order to reduce the volume of video files, the software in the background will compress the video file, and after compression is completed, it will be in the video folder automatically, generate a compressed video file. If you view the video during compressing, you cannot see the video, after compression, you can right-click refresh list in the video file.

12、  The function in the menu as same as shortcut button function above introductory.

Disclaimer

This software do not support for candid camera, Used for candid, all at your own risk.