Document Version: V1.1
Part Code:

Shenzhen Aratek Technology Co., Ltd.

1 Product Introduction

The TrustEye Series TE100 Smart Camera is a front-end computing intelligent network camera developed by Aratek. It integrates an NPU computing unit to deliver AI video analytics capabilities. It is widely deployed in smart communities, smart parks, smart campuses, smart construction sites, transparent kitchen projects, cold-chain supervision and other scenarios.

Featuring simple deployment, easy operation and strong environmental adaptability, this camera adopts industrial-grade design to suit diverse operating environments. Compliant with GB28181 standard, it offers great compatibility. Users can perform local preview as well as remote control and viewing via management platforms. Rich interfaces enable flexible integration, and standard Open-API is provided for third-party system integration.

2 Product Specifications

Category		Description
Processor		Domestic Quad-core ARM CPU, 2 TOPS (INT8)
Video	Maximum Image Size	3840*2160
	Main Stream	8MP（3840*2160）@30fps（Default）/ 6MP（3072*2048）@30fps/ 4MP（2560*1440）@30fps/ 4MP（2592*1536）@30fps/ 1080P（1920*1280）@30fps / 720P（1280*720）@30fps
	Sub Stream	720P（1280*720）@30fps（Default）、D1（720*480）@30fps、CIF（352*288）@30fps
	Triple Stream	720P（1280*720）@30fps（Default）/ D1（720*480）@30fps/ CIF（352*288）@30fps
	Video Compression Standard	H.264/H.265/H.264+/H.265+/MJPEG
	H.264 Profile	BaseLine Profile/Main Profile/High Profile
	H.265 Profile	Main Profile
	Bitrate Control	Variable Bitrate, Constant Bitrate
	ROI	Supported
Memory		1GB
Storage		EMMC，8GB
SD-Card Storage		Max. 256G. Note: Ensure the write speed of SD card is no less than 6MB/S
Network Protocols		TCP/IP,ICMP,HTTP,HTTPS,DHCP,DNS,DDNS,RTP,RTSP,NTP,SMTP,PPPoE,SNMP,QoS。IPV6 supported.
Power Supply		DC: 12V, reverse power supply supported (can be used for powering audio pickup) POE: Compliant with IEEE 802.3af; supports both 1236 and 4578 power supply modes. POE power: 15.4W with isolation.
Operating Temperature and Humidity		-30°C ~ +60°C RH95% Max

3 Network Configuration

Wired Network Connection

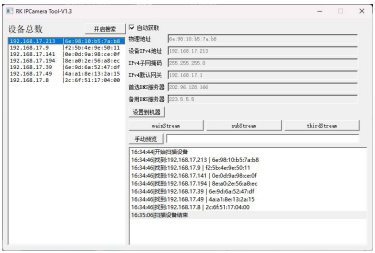
Connect the camera and computer via a switch or router. The switch or router shall support DHCP.

Search and Modify IP Address

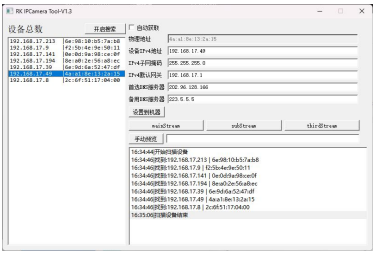
Procedures to search and modify the IP address of network camera:

1、click “IPCamera Tool-V1.3.exe”，open the configuration tool.

2、click “Start Search” to detect online IPC cameras.

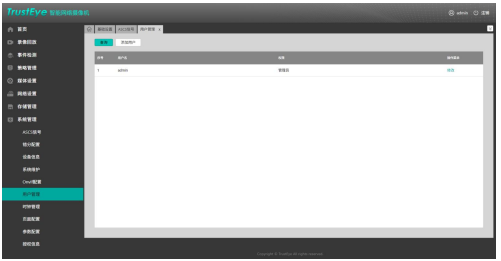


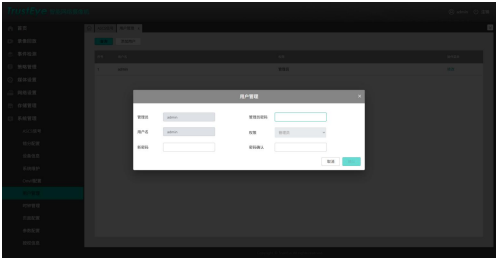
3、 To configure static IP: select target camera in the left device list, set camera IP and other parameters on the upper-right area, then click “Apply to Device”.



4 User Password Setting

Open the web browser, input the camera IP address in the address bar to log in to the management page. Follow the graphic guidance to modify user password.





5 Packing List

No.	Item	Quantity	Description
1	IPC Camera Main Unit	1	Main body of intelligent IPC camera.
2	Mounting Position Sticker	1	Positioning for wall-mount drilling.
3	User Manual	1	Quick setup instruction for product.
4	Certificate of Conformity	1	Factory inspection qualification certificate.
5	Warranty Card	1	For user information, purchase information, maintenance records and warranty clauses.

FCC Statement

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference.
(2) This device must accept any interference received, including interference that may cause undesired operation.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.