NUA-3
QUICK START GUIDE

1. NUA-3 Packing list

NUA-3 Camera	1
POE Power Adapter	1
Wall mount bracket	1

Note: The appearance and color of the product are mainly based on the model of the product, and the product will be shipped according to the actual product.

2. NUA-3 Introduction

No.	Name	Function
1	fixed focus lens	4K resolution
2	Infrared lamps	6 pcs ring-shaped infrared lamps for night vision automatically switch according to photosensitive
3	Photosensitive switch	Photosensitive switch
4	Power indicator lights	lights up for 3 seconds after power on
5	USB-C	USB2.0, single power supply 5V3A
6	USB-A	Type-A2.0, connected to peripherals such as microphone/mouse
7	network port	1*RJ45, 100M network port, support POE power supply
	HDMI OUT	mainstream video output interface
	SIM card slot	SIM card slot Insert SIM card
	TF card slot	TF card slot Support TF card storage, support upgrade

3. Instructions for use

4.1 Equipment connection:

NUA-3 is directly connected to the screen via HDMI cable.

Use the built-in power adapter or USB type-c port to supply power through the network port (POE power supply), and the power supply requirement is 5V3A.

After the PC client video conference ends, the camera automatically sleeps (the USB interface has no image output). The PC client re-joins the conference and automatically wakes up the camera.

4.2 Boot

Use the built-in power adapter or USB type-c port to supply power through the network port (POE power supply), and the power supply requirement is 5V3A.

After the power is supplied, the device starts to power on. It needs to be connected to a large-screen output terminal image to operate.

4.3 Check the Status Indicator

●After the device is powered on: the red light is on (make sure the device is turned on, and then goes out after 3s, in order to ensure that the device does not affect the user's sleep when the device is monitored by the user at night)

4.4 Operation

1. This device is an Android terminal, which requires an external mouse to operate the system;

2. The terminal is connected to the monitor through an HDMI cable;

3. The terminal can be connected to external peripherals (such as mouse, microphone, etc.) through USB-A

4.5 Automatically switch to night vision status

1. When entering the night, the device automatically switches to the night vision state, and the infrared light is turned on, which can continuously monitor the user.

4. Specifications

Feature	Name	Name
Product parameters	Image sensor	1/2.8-inch CMOS imaging chip, 8.28 million effective pixels.
	Lens resolution	4K resolution
	Aperture	F2.1±5%
	Focal length	f=3.24mm ±5%
	Field of view (D/H/V)	Product actual value: Diagonal: 88°; Horizontal: 80°; Vertical: 51° (Actual lens value: Diagonal: 94.8°, Horizontal: 86.6°, Vertical: 56°)
	UVC protocol	upports UVC 1.0, UVC 1.1, UVC 1.5 protocols; can automatically realize dynamic adjustment switching.
Video parameters	Video output format	MJPG/H264: 1920*1080/1280*720/640*480/640*360@30fps 等 YUV:640*480/640*360@30fps
	Video compression format	MJPEG、YUY2、H264
	Minimum illumination	1.0Lux (F2.1 & AGC ON)
	SNR	Support 2D & 3D digital noise reduction, ≥ 55dB.
	WDR	Support Wide Dynamic Range
	Shutter speed	1/25 second ~ 1/10000 second
	Local presets	The number of local preset positions supports 10 preset positions, number 0~9 (set and called by UVC command, and saved on the camera).
Upgrade method	Upgrade method	Support software upgrade through local USB interface.
Power supply	voltage	Working voltage POE 5V (only for POE and USB power supply)

	current	3A
	power	15W
Physical characteristics	Working temperature	0℃～40℃ 10%～90% (non-condensing)
	humidity	-40℃～+60℃ 5%～95% (non-condensing)
	Altitude	≤5000m
EMC	EMC level	EMC level RE/CE (classB), RS (class A 10/m 80M~2.7G). ESD (contact discharge ±6KV; air discharge ±8KV).
Certification	Certification	FCC

6 Safety Precautions

● Before using this product, please contact the equipment provider to obtain the compatibility and supporting relationship of related equipment.
● When supplying power to the device, be sure to use the original standard USB cable.
● When installing and debugging, please ensure that the camera is in good contact with the PC or terminal through the USB cable.
● During storage, transportation and use of the device, it must be strictly kept dry and violent collisions must be avoided.
● Do not disassemble the device by yourself. When the device fails, please contact the designated maintenance point.
● Please place the device on a stable workbench or securely fix it on a large screen.
● Do not let children play with the equipment and small accessories to avoid dangers caused by swallowing and other behaviors.
● Please keep the USB interface clean and dry to avoid electric shock or other dangers.
● Before cleaning, it is recommended to stop using the device and disconnect the power supply.
● Do not press, scratch or hit the lens hard.

● Please do not let rubber or plastics contact the lens for a long time, so as not to damage the surface brightness.
● Comply with local ordinances regarding the disposal of device packaging materials and waste devices, and support recycling efforts.
● For more safety precautions, please consult the equipment supplier. This is a Class A product, in a living environment this product may cause radio interference. In such cases, the user may be required to take practicable measures against the interference.

5. Declaration of Toxic and Hazardous Substances in Electrical and Electronic Products

Part Name	Toxic and Hazardous Substances or Elements lead					
	(Pb) Mercury	(Hg) Cadmium	(Cd) Hexavalent chromium	(Cr6+) polybrominated biphenyls	(PBB) polybrominated diphenyl ethers	(PBDE)
Structural parts	×	○	○	○	○	○
Single board/circuit module	×	○	○	○	○	○
Cable connector	×	○	○	○	○	○

●Description

This form is prepared according to the provisions of SJ/T 11364.

○: Indicates that the content of the toxic and hazardous substance in all homogeneous materials of the part is below the limit requirement specified in GB/T 26572.

×: Indicates that the content of the toxic and hazardous substance in at least one homogeneous material of the part exceeds the limit requirement specified in GB/T 26572.

1. Structural parts: the steel, aluminum or copper contains lead.

2. Single board/circuit module:

●The pads on the surface of the PCB contain lead.

●Ceramic/feedthrough/mica capacitors on the board: Porcelain core contains lead.

●High-temperature solder with a lead content of more than 85% is used for the internal connection points of the transformer.

● Some internal component pins and solders contain lead.

●SMD inductance lead is used in optical glass.

●The high-temperature solder used for soldering transistor chips is lead-containing solder.

●Resistive layer and protective layer glass are exempted from lead.

●The pins of components such as IC and power supply on the single board and the solder contain lead, etc.

●Cable connectors: Most of the connector metal shells, terminals, etc. contain lead, and the pins contain lead.

FCC STATEMENT : 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, and (2) This device must accept any interference received, including interference that may cause undesired operation. Warning: 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 an tenna. 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. FCC Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.