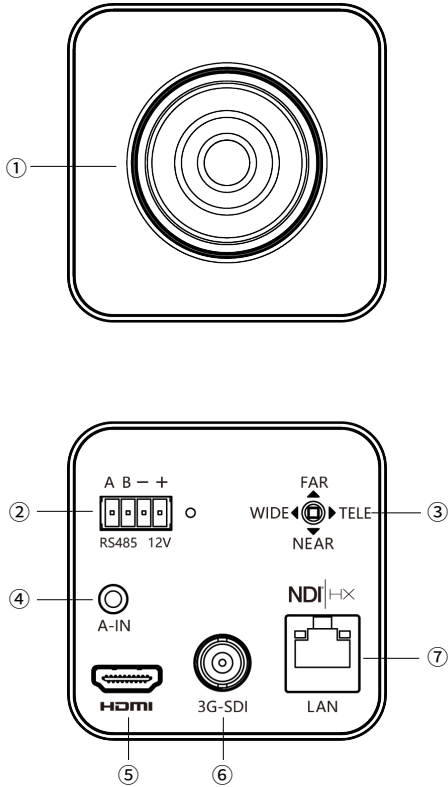
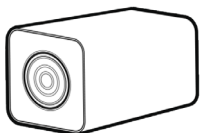


1 Camera Interface

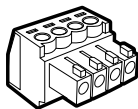


No.	Explain	No.	Explain
1	Lens	3	Five-direction Button
2	Terminal Pin Interface A:RS485+ B:RS485- +:DC12V Power Interface	4	Audio-IN
		5	HDMI
		6	3G-SDI
		7	LAN

2 Packing Box



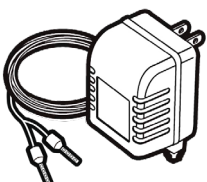
BOX Camera × 1



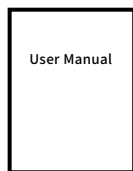
RS485 Serial Port × 1



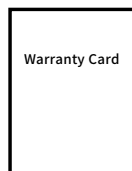
Certificate × 1



Power Adapter × 1



User Manual × 1



Warranty Card × 1

Camera

Zoom	20X Optical	30X Optical
Image Sensor	1/2.8" Exmor CMOS Sensor	
Effect Pixel	3.27 Megapixel	3.70 Megapixel
Lens	f=4.7mm - 94mm	f=5.2mm - 148.4mm
HOV	60.2°	65°
Iris	F=1.6(W) - 3.5(T)	F=1.3(W) - 4.8(T)
Shutter Speed	1/25(1/30)s ~ 1/30000s	
Gain	Manual / Auto	
Focus	Manual / Auto	
S/N Radio	≥ 50 dB	
Digital Noise Reduction	2D & 3D Digital Noise Reduction	
Min Illumination	0.5Lux (Day) 0.1Lux (Night) 0.005Lux (DSS)	
Min Distance	30cm	
Video Format	1080P60/59.94/50/30/29.97/25, 1080I60/59.94/50/;720P60/59.94/50/30/25	

Input/Output Interface

Power On	JEITA type (DC IN 12V)
Video Output	3G-SDI / HDMI / IP Streaming (RTSP/RTMP/RTMPS)
Audio I/O	3.5mm Audio Input; HDMI+SDI+IP(Audio Output)
Communication Interface	RS485 / Rj45
Zoom Control	Visca, Pelco P/D, ONVIF

Generic

Dimensions (L×W×H)	20X Optical: 70mm × 70mm × 116mm 30X Optical: 70mm × 70mm × 124mm
Gross Weight	0.2kg
Max Consumption	12W DC12V @1A
Operating Temperature / Humidity	-10°C ~ 60°C / 20% ~ 95%
Storing Temperature / Humidity	-10°C ~ 50°C / 20%~80%
Use Environment	Indoor
Installation	Ceiling /Wall Mount / Tripod/ Desk

4 Features

Features

Camera Control	Using external RS232C or RS485 Communication system, which can using PTZ Controller or PC to control Camera.
Image Optimization	Improve the image quality of real-time images by using the newly developed digital signal processor (DSP).
Brightness Optimization	Built-in attenuation filter that physically removes IR (infrared). This filter can be turned on or off automatically, providing high quality images for shooting environments of different brightness.
Simple Operation	The five-direction button at the end of the camera can easily and quickly change any parameters of the camera.
Multi-channel of Audio and Video Streams Output	The camera can support 3G-SDI/HDMI/IP Streaming/ NDI HX simultaneous video output.
Miniaturized Design	Unique industrial design simplifies the mechanical structure of internal circuits. The size of the camera is further reduced.
2D/3D Noised Reduce Function	The Camera menu can easy to setting & changed the 2D/3D Noised reduce according to difference sence.

5 FAQ Processed

Image Aspect

- The TV screen or display can't shows no image
- 1) Check if the power of the camera is connected, the voltage is normal, and the power indicator is always on.
 - 2) Power OFF/ON and check if the camera can normal self-checking.
 - 3) Check if the cable of the video platform and TV is connected correctly.

- Sometimes there is no image

Check that the cable of the video platform and TV is connected well.

- The image has jitter when the camera changed to Max zoom

- 1) Check if the camera installation position is secure.
- 2) Check if there is a machine or object that was vibration nearby camera.

Control Aspect

- The remote control cannot be controlled

- 1) Check and replace the new battery of Remote control.
- 2) Check if the camera working mode is correct.

- The RS232/RS485 port cannot be controlled

- 1) Check if the protocol, address, etc. of the camera setting are the same.
- 2) Check if the camera control line is well connected.

6 Precaution

Electrical Safety

Confirm country and local electrical safety standard when using or installing the product. The product itself has no power switch, Please stop power supply or plug out power socket when it is not in good working. Video wire and control wire should be insulated and individual connected, can't mix-up with other wires.

Transportation with Care

Product should be protected against extremes of stress, vibration and moisture in transport, storage and installation. It is transported by integrated packing style.

Power Supply

Product supplies 12V DC power, POE optional.

Installation with Care

Don't turn camera head manually. Doing so may result in mechanical damage.

Product should be put on stable horizontal table, and does not be installed at a tilt, or else, which may cause tilted image.

Don't focus the camera direct to the sun or other bright objects no matter when in use or not. Otherwise, it may affect image quality.

Don't apply corrosive liquid, gas or solid, to avoid damaging the cover which is made up of plastic material.

Make sure there is no obstacle with the camera's rotational range when installing.

Never power on before installation has been completed.

Prohibited Unauthorized Disassemble

There is no part for users to disassemble voluntarily. The Company is not responsible for any unauthorized modification or dismantling.

7 RoHS Declaration

Component	The Hazardous Substances or Elementary Name					
	Pb	Hg	Cd	CrVI	PBB	PBDE
Metal	×	○	○	○	○	○
Plastic	○	○	○	○	○	○
Glass	×	○	○	○	○	○
Circuit Board	×	○	○	○	○	○
Mains	×	○	○	○	○	○
Accessory	×	○	○	○	○	○

○ : means all the contained hazardous substance are within the limitation of SJ/T11363-2006 standard.

× : means all the contained hazardous substance are within the limitation of SJ/T11363-2006 standard.