UV150 Series
Educational binocular Camera

The UV150 series camera offers perfect functions, superior performance and rich interfaces.The features include advanced ISP processing algorithms to provide vivid images with a strong sense of depth, high resolution,and fantastic color rendition. It supports H.264/H.265 encoding which makes motion video more fluent and clear under low bandwidth conditions. Built-in panoramic camera, to achieve an integrated fusion of panoramic camera and tracking camera.
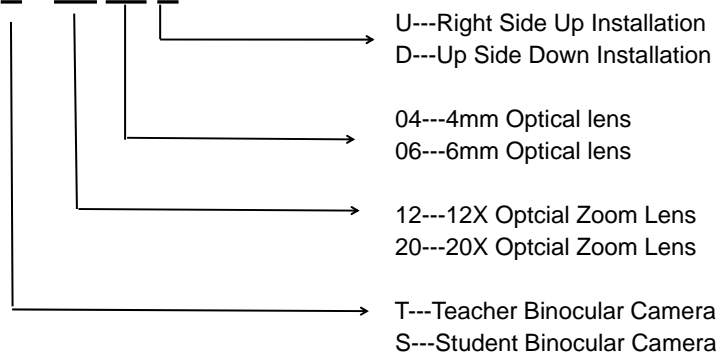
Product advantages:

- Integrated design:built-in panoramic camera, to achieve an integrated fusion of panoramic camera and tracking camera.
- Superb High-definition Image: employ 1/2.8 inch high quality CMOS sensor.Resolution is up to 1920x1080 with frame rate up to 60 fps.
- Various Optical Zoom Lens : 12X/20X and other optical zoom lens for options. 12x zoom lens adopts 72.5 ° wide view angle without distortion.
- Leading Focus Technology : Leading auto focus algorithm makes lens auto-focuse more fastly, accurately and stably.
- Low Noise and High SNR : Low Noise CMOS effectively ensure high SNR of camera video. The adoption of advanced 2D/3D noise reduction technology not only further reduces the noise, but also ensuring image sharpness.
- Multiple Audio Output Interfaces: Support SDI, LAN. SDI supports to transmit 100 meters under the 1080P60 format.
- Multiple Video Compression Standard: Support H.264/H.265 video compression, AAC, MP3 and G.711A audio compression.
- Audio Input Interface : Support 8000,16000,32000,44100,48000 sampling frequency and AAC,MP3, G.711A audio coding. Multiple Network Protocols: Support ONVIF, GB/T28181, RTSP、RTMP protocols , RTMP push mode, which is easy to link streaming media server (Wowza,FMS), RTP multicast mode and network full command VISCA control protocol.
- Multiple Control Protocols: Support VISCA /PEOLCO-P/D protocols, automatically recognize protocols.
- Networked controlling interface: all of the controlling information could be transmitted by network, to meet the various scenario of product development.
- Extremely Quiet PTZ
  Adopting step driving motor mechanism and motor drive controller with high precision is to ensure PTZ works smoothly with low speed and without noise.
- Multiple Video Compression : Support H.264/H.265 video compression.
- Sleep Function: Support low power sleep/wake up, with consumption below 400mW in sleep mode.
- Flexible installation: support wall mount and upside down installation.

Order Model No.

UV150X—XX/YY-X

U---Right Side Up Installation
D---Up Side Down Installation

04---4mm Optical lens
06---6mm Optical lens

12---12X Optcial Zoom Lens
20---20X Optcial Zoom Lens

T---Teacher Binocular Camera
S---Student Binocular Camera

Technical Specification

Model	UV150T/S-12	UV150T /S-20
Tracking Camera, Lens Parameter		
Sensor	1/2.8Inch High Quality CMOS Sensor	
Effective Pixels	2.07MP, 16：9	
Video Signal	1080P60/50/30/25/59.94/29.97 ,1080I60/50/59.94,720P60/50/30/25 /59.94/29.97	
Lens Optical Zoom	12X Optical Zoom,f＝3.9～46.1mm	20X Optical Zoom, f＝4.7～94mm
View Angle	6.3°(Tele)~72.5°(Wide)	2.9°(Tele)~55.4°(Wide)
Iris	F1.8 ～ F2.4	F1.6 ～ F3.5
Digital Zoom	X10	
Minimum Illumination	0.5Lux(F1.8, AGC ON)	
DNR	2D & 3D DNR	
White Balance	Manual/Auto/One-keyBalance/3000K/3500K/4000K/4500K/5000K/5500K/6000K/6500K/7000K	
Focus	Manual/Auto/A key focus	
Iris	Manual/Auto	
Electronic Shutter	Manual/Auto	
BLC	On/Off	
WDR	Off/ Dynamic level adjustment	
Video Adjustment	Brightness,Color,Saturation,Contrast,Sharpness, B/W mode, Gamma curve	
SNR	>55dB	
Panoramic Camera Parameter		
Sensor	1/2.8Inch High Quality HD CMOS Sensor	
Effective Pixels	2.07 megapixel	
Lens	Manual focusing	
Video Output Interface	Network interface, SDI	
4mm View Angle（D/H/V）	89.6°\71°\52.2°	
6mm View Angle（D/H/V）	67.0°\59°\32.5°	
Input/Output Interface and Protocols		
Video Output Interface	SDI, LAN	
Video Compression	H.265,H.264	
Video Stream	Dual Stream	
Audio Input	Dual channel 3.5mm linear input	
Audio Compression	AAC, MP3, G.711A	
Network Interface	100M(10/100BASE-TX)	
Network Protocol	RTSP, RTMP, ONVIF, GB/T28181, Network VISCA Control Protocol, Support remote upgrade, reboot and reset.	
Control Interface	RS-232 input	
Control Protocol	VISCA/Pelco-D/Pelco-P, Baud Rate: 115200/9600/4800/2400bps	
Power Interface	HEC3800 outlet (DC12V)	
Power Adapter	Input: AC110V-AC220V. Output: DC12V/2.5A	
Input voltage	DC12V±10%	
Input current	1.5A (Maximum)	
Power Consumption	18W(Maximum)	
PTZ Parameter		
Pan Rotation	-170°～+170°	
Tilt Rotation	-30°～+90°	
Pan Control Speed	0.1 ～100°/Sec.	
Tilt Control Speed	0.1～45°/Sec.	
Preset Speed	Pan: 100°/Sec, Tilt:45°/Sec.	
Preset Number	Up to 255Points(10 Points By Controller)	

Others

Storage Temperature	-10℃～+60℃
Storage Humidity	20%～95%
Working Temperature	-10℃～+50℃
Working Humidity	20%～80%
Dimension（W*D*H）	254mmX144mmX174mm
Weight (around)	1.50kg
Using environment	Indoor

Accessories

Random Accessory	12V/2.5A Power supply, RS232 Cable, Controller, Manual, Warranty Card
Optional Accessories	Mounting bracket

Dimension Pictures: (unit:mm)