

UC-T90 UHD 4K camera, including 3 lenses, 12X optical zoom 80.4° wide-angle lens, 25X optical zoom 59.2° wide-angle lens, and 31X optical zoom 59° wide-angle lens. It has complete functions, excellent performance and rich interfaces. Boasting advanced ISP processing technology and algorithm, UC-T90 series cameras deliver the vivid image and uniform picture brightness

Key Feature:

- **4K UHD Resolution:** SONY CMOS sensor. Resolution is up to 4K with frame rate up to 60fps.
- **Dual Stream Output:** USB support the main stream and sub stream output at the same time, and can meet the needs of near-end and far-end.
- **Optical Zoom Lens:** 12X optical zoom 80.4° wide-angle lens, 25X optical zoom 59.2° wide-angle lens, and 31X optical zoom 59° wide-angle lens.
- **Interfaces:** Support HDMI, USB 2.0, LAN, SDI and output 4K audio and video at the same time.
- **Leading Auto Focus Technology:** Fast, accurate and stable auto focusing technology.
- **Low Noise and High SNR:** Super high SNR image is achieved with low noise CMOS. Advanced 2D/3D noise reduction technology further reduces the noise while ensuring high image clarity.
- **Multiple Audio/Video Compression Standards:** LAN interface supports H.264/H.265 video compression, USB3.0 interface supports MJPG, H264, YUY2, NV12, H265; A-IN interface supports AAC, MP3, G.711A audio compression coding
- **Audio input interface:** 8000, 16000, 32000, 44100, 48000 sampling frequency. support AAC, MP3 and G.711A audio compression



- **Multiple Network Protocol:** Support ONVIF, GB/T28181, RTSP, RTMP protocols; Support RTMP push mode, easy to be connected to streaming server (Wowza, FMS); Support RTP multicast mode; Support network full command VISCA control protocol.
- **NDI|HX, Dante-AV-H, SRT**
- **Control Interface:** RS422 input (compatible with RS485), RS232 input/output, RS232 (cascade connection)
- **Multiple Control Protocol:** Support VISCA, PELCO-D, PELCO-P protocols; Support automatic identification protocols.
- **Multiple presets:** Up to 255 presets (10 presets via remote control).
- **Multiple Application:** Online-education, Lecture Capture, Webcasting, Video conferencing, Tele-medicine, Unified Communication, Emergency command and control systems, etc.

~ TECHNICAL SPECIFICATIONS ~

Camera Parameter		UC-T90	
Optical Zoom	12X f=3.85 mm~ 43.06 mm ±5%	25X f=7.1 mm~ 171.95 mm ±5%	31X f=6.91 mm~ 214.64 mm ±5%
View Angle	Horizontal: : 7.59° (N) ~ 80.4° (W) Vertical : 4.6° (N) ~ 50.0° (W)	Horizontal: 2.5° (N) ~ 59.2° (W) Vertical: 1.4° (N) ~ 34.6° (W)	Horizontal:1.98° (N) ~ 59° (W) Vertical: 1.12° (N) ~ 34.14° (W)
Iris Value	F1.8 ~ F3.56±5%	F1.61(Wide)~ F5.19(Tele) ±5%	F1.35 ~ F4.6±5%
Sensor	1/2.5-inch SONY CMOS sensor	1/1.8-inch SONY CMOS sensor	1/1.8-inch SONY CMOS sensor
Effective Pixels	8.51M megapixel, 16: 9		
Video Format	HDMI: 3840*2160P60/50/25/59.94/29.97;1080P60/50/25/59.94/29.97;1080I60/50/59.94;1080P@30fps720P@60fps、720P@50fps; 720P60/50/59.94; SDI: 1080P60/50/25/59.94/29.97;1080I60/50/59.94;1080P@30fps、720P@60fps、720P@50fps; 720P60/50/59.94 USB2.0 MJPG: 1920*1080/1600*896/1280*720/1024*576/960*540/800*600/800*448/720*576/720*480/640*480/640*360/480*270/352*288/320*240P60/50/30/25;3840*2160P30 H264: 1920*1080/1600*896/1280*720/1024*576/960*540/800*600/800*448/720*576/720*480/640*480/640*360/480*270/352*288/320*240P60/50/30/25; 3840*2160P30 YUY2: 640*480/640*360/480*270/320*180P30/25 NV12: 640*480/640*360/480*270/320*180P30/25		
Minimum Illumination	0.5Lux (F1.8, AGC ON)		
DNR	3D DNR		
White Balance	Auto / Manual/ One Push/ Specified Temperature		
Focus	Auto/Manual/One Push Focus		
Exposure Mode	Auto/Manual/Shutter priority/Aperture priority/brightness priority		
Aperture	F1.8 ~ F11 CLOSE		
Shutter Speed	1/25 ~ 1/10000		
BLC	ON/OFF		
WDR	OFF/ Dynamic level adjustment		
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve		
SNR	≥50dB		
Interface			
Video Interfaces	HDMI, SDI, LAN (Support POE), USB2.0, A-IN, RS232-IN, RS232-OUT, RS422 (Compatible with RS 485), Rotary DIP switch,		
Video Compression Format	LAN Interface: H.264, H.265, USB 3.0 Interface: MJPG, H264, YUY2, NV12		
Audio Input Interface	Double track 3.5mm linear input		
Audio Output Interface	HDMI, LAN, USB2.0		
Audio Compression Format	AAC, MP3, G.711A		
Network Interface	10M/100M/1000M adaptive Ethernet port, support POE power supply, support audio and video output		
Network Protocols	RTSP, RTMP, ONVIF, GB/T28181; Network VISCA control protocol; Support remote upgrade, reboot and reset		
Control Interface	RS232-IN, RS232-OUT, RS422 compatible with RS485		
Serial Communication protocol	VISCA/Pelco-D/Pelco-P; Baud Rate: 115200/38400/9600/4800/2400		
USB Communication Protocol	UVC (Video), UAC (Audio)		
Power Interface	HEC3800 outlet (DC12V)		
Supply Adapter	AC110V~AC220V to DC12V/2.5A		
Input Voltage	DC12V±10%		
Input Current	<1A		
Power Consumption	<12W		
PTZ Parameter			
Pan Rotation	-110°~+110°		
Tilt Rotation	-30°~+30°		
Pan Control Speed	0.1°/s ~ 100°/s		
Tilt Control Speed	0.1°/s ~ 70°/s		
Preset Speed	Pan: 78.8°/s, Tilt: 31.7°/s		
Preset Number	255 presets (10 presets via remote control)		
Other Parameter			
Stored Temperature	-10℃~+60℃		
Storage Humidity	20%~95%		
Working Temperature	-10℃~+50℃		
Working Humidity	20%~80%		
Dimension	220(L)mm*144mm(W)*159mm(H)		
Weight	1.7kg		
Application	Indoor		

*Product weight and dimension are approximately and features & technical specifications mentioned may change without any prior notice. All images are for representation only & may differ from actual product.

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