

# TECHVISE

The UC-T80 Ultra HD 4K 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 for H.265/H.264 coding, making the image smooth and clear even in low-bandwidth.

- **4K Ultra HD:** 1/2.8inch high quality 4K SONY CMOS sensor; 8.50megapixel, resolution is up to 4K (3840x2160) at 30 FPS.
- **Optical Zoom:** 12X optical zoom with 70°viewing angle.
- **Advanced Auto Focus Technology:** Advanced auto focus technology allows the camera to move fast, accurately, and stably.
- **Low Noise and High SNR:** Low noise CMOS provides the high SNR. The use of leading 2D 3D noise reduction technology further reduce the noise while not comprising the clarity of image.
- **Multiple Connections:** It supports for HDMI, SDI, USB3.0, wired LAN and PoE. USB3.0 supports dual stream and SDI supports 100 meters transmission at 1080P60.
- **Multiple Audio Compression Formats:** It supports for YUY2、MJPEG、H.264、H.265、NV12 video coding formats. And there solution of 3840X2160 at 30FPS is available under MJPEG、H.264、H.265 formats. Audio compression formats: AAC、MP3、G.711A
- **Audio Input Jack:** It supports audio coding in AAC、MP3、G.711A. And the sampling rate of 16000、32000、44100、48000 are available under AAC、MPS formats.
- **Built-in Gravity Sensor:** It is built in gravity sensor, supports for PTZ auto flip, easier for engineer to set up.
- **Multiple Network Protocols:** It supports for protocols of ONVIF、GB/T28181、RTSP、RTMP、VISCA OVER IP、IP VISCA、RTMPS、SRT、RTMP Push Mode, RTP multi-broadcasting mode, making it easy to link with stream media server (Wowza, FMS)



## TECHVISE 4K PTZ CAMERA UC-T80

- **Control Jack:** RS422 compatible with RS485, RS232-IN, RS232-OUT, RS232 jack is capable of cascading.
- **Multiple Control Protocols:** It supports for control protocols of VISCA, PELCO-D, PELCO-P, and able to automatically identify the protocols.
- **Super Quiet PTZ Movement:** Adopting step driving motor mechanism and motor drive controller with high precision is to ensure PTZ works smoothly with low speed and without noise.
- **Low-power Sleep Mode:** It supports for low-power sleep/wake up. The power consumption in sleep mode is less than 400mW.
- **Multiple Presets:** It supports for 255 presets(10 presets called via remote control)
- **IR & Wireless Remote Control:** IR and Wireless Remote Control are available for options.
- **AI Human Detection:** Boasting high speed processor and advanced image processing and analytic algorithm, the camera supports for real-time tracking and zone-tracking.
- **Wide Application:** Applied in remote teaching, conference system, online training, and tele-medicine.

~ TECHNICAL SPECIFICATIONS ~

MODEL	UC-T80
<b>CAMERA &amp; LENS</b>	
Sensor	High Quality 1/2.8 Inch HD CMOS Sensor
Effective Pixels	16: 9, 8.51 megapixel
Optical Zoom	12X (focal=3.9~46.8mm)
Digital Zoom	15X
View Angle	6.5° (Tele)--70.9° (Wide)
AV (Iris)	F1.6 – F2.8
Video Resolution	<b>HDMI</b> *4KP30, 4KP25, 1080P60, 1080P50, 1080P30, 1080P25, 720P60, 720P50, 1080 P59.94, 1080P29.97, 720P59.94 <b>SDI</b> * 1080P60, 1080P50, 1080I60, 1080I50, 1080P30, 1080P25, 720P60, 720P50 <b>USB 3.0 (Type B compatible with USB2.0)</b> <b>Main Stream</b> <b>YUY2/NV12:</b> *1920×1080/1280×720/1024×576/800×600/800×448/640×360/480×270/320×180@10/5fps; <b>MJPEG/H264:</b> *3840*2160/1920×1080/1600×896/1280×720/1024×576/960×540/800×600/800×448/720×576/720×480/640×360/640×480/480×270/352×288/320×240@30/25/20/15/10/5fps; <b>Sub stream</b> <b>YUY2/NV12:</b> *1280×720/1024×576/800×600/800×448/640×360/640×480/480×270/320×180@30/25/20/15/10/5fps; <b>MJPEG/H264:</b> *1920×1080/1600×896/1280×720/1024×576/960×540/800×600/800×448/720×576/720×480/640×360/640×480/480×270/352×288/320×240@30/25/20/15/10/5fps;
SNR	>50dB
Minimum Illumination	0.5Lux (F1.8, AGC ON)
DNR	2D & 3D DNR
White Balance	Auto/Manual/One-Push/Specified Temperature
Focus	Auto/Manual/One Push Focus
Aperture/Electronic Shutter	Auto/Manual
WDR	OFF/ Dynamic Level Adjustment
BLC	ON/OFF
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W Mode, Gamma Curve
<b>PTZ</b>	
Pan/Tilt Rotation	±170°, -30°~+30°
Pan Control Speed	0.1-60°/sec
Tilt Control Speed	0.1-45°/sec
Preset Speed	Pan: 60°/sec, Tilt: 45°/sec
Preset Number	255 presets (10 Presets Through IR Wireless Remote Control)
<b>INTERFACES</b>	
Output	3G-SDI, HDMI, USB3.0, LAN (Optional PoE) Input: Audio Mic/Line In
Video Stream	Dual Stream Output
Video Compression	<b>LAN Interface:</b> H.265, H.264, Dual Stream Output <b>USB3.0 interface:</b> Main Stream Supports YUY2, MJPEG, H.264, NV12, H.265, Secondary Stream Support YUY2, MJPEG, H.264, NV12
Control Protocol	VISCA/Pelco-D/Pelco-P; Baud Rate:115200/9600/4800/2400bps
Network Interface	100M IP Port (100BASE-TX)
Network Protocol	RTSP, RTMP, ONVIF, GB/T28181, VISCA, Remote Upgrade, Reboot & Reset
Audio Interface	Double Track 3.5mm Linear Input
Audio Compression Format	AAC/MP3/G.711A
Control Interface	RS232 (Input & Output), RS485
Power Interface	HEC3800 outlet (DC12V)
Input voltage	DC12V±10%
Power Consumption	12W(Maximum)
<b>ENVIRONMENTAL</b>	
Temperature	Storage: -10°C~+60°C Degree Celcius, Working: -10°C~+50°C
Humidity	Storage: 20%~95%, Working: 20%~80%
Weight	1.15 Kgs Typical
<b>ACCESSORY</b>	
Supplied Accessory	Power Supply, RS232, Control Cable, USB3.0 Cable, Wireless IR Remote Control (Without Batteries) (Optional Accessory - Ceiling / Wall Mounting Bracket Kit)

\*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.

**TECHVISE®**

**TECHVISE TECHNOLOGIES PVT. LTD.**

G-286, 1<sup>ST</sup> Floor, Sector- 63, Noida, U.P- 201301

Phone- 0120 432 2269, Email- info@techvise.in

Website: - www.techvise.in

**Retailer & Distributor**

www.techvise.in