

## Telebiz 4K -80-U2 All-in-One Video Camera with Sound Bar



### Features:

#### Video Part:

- Adopted advanced high definition DSP, 1/2.8" 8.5MP CMOS sensor and high quality fixed 4K lens with 120 degree FOV, to provide sharp and crystal clear image.
- 4x electronic zoom adjustable.
- An ultra-wide, big depth of field fixed lens is used.
- AI feature: auto framing to output best video experience.
- USB2.0 type C port output high and low video resolution for different application scalable.
- Max resolution 2160p30 (MJPEG/H.264) is supported.
- Support standard UVC1.0~1.5 protocol, working with any your favorite video conferencing software. API is supported.
- Matched with RF remote control to set video and audio.
- Support English OSD menu.

#### Audio Part:

- **Uses Microphone Array Algorithms**  
By sampling and processing the spatial characteristics of sound field, the background sound can be removed to the maximum extent, leaving only the needed sound waves, even in the noisy environment , it can make the voice sound clear without noise;
- **High Definition Audio**  
16K pickup and 24K playback, to make voice crystal clear, sounding like face-to-face meeting.  
360° Omni-directional pickup, the pickup range is up to 5 meters and voice quality is most ideal in 3 meters.
- **Outstanding Full Duplex Communication**  
Freely and fluent two-ways communication in 5 meters.
- **Advanced Speech Algorithms**  
360° Omni-directional and long distance pick  
Full duplex communication  
**384ms acoustic echo cancellation**  
Background noise suppression  
Auto-level loud and soft voices  
Peak-limiting algorithm eliminates even momentary speaker clipping to prevent distortion

**Technical Specs:**

Telebiz 4k-80-U2	
<b>Video</b>	
Sensor	1/2.8"CMOS sensor
Effective Pixel	8.5M effective pixels 16:9
Scan	Progressive
LENS	f=2.22mm±5%
Iris	F=2.4±5%
FOV	120°
Focus Mode	Fixed
White Balance	ATW/Auto/Manual/Outdoor/Indoor/ Sodium / Fluorescent/OnePush
Iris	Auto/Manual/Brightness Priority/Shutter Priority
Anti-Flicker	OFF/50Hz/60Hz
Noise Reduction	2D & 3D
Wide Dynamic	Support
Backlight compensation	Support
Color Enhancement	Support
Edge Enhancement	Support
Image Flip	Support
Image Mirroring	Support
Electronic Pan/Tilt	Support
Auto Framing	Support
Remote Controller	2.4G remote controller to set OSD menu, audio, mute, video
USB Port	USB2.0 Type C
Protocol	UVC1.0~1.5
Video Format	MJPEG/H.264/YUY2
Resolution	MJPEG/H.264: 3840*2160@30; 2560*1440@30; 1920*1080@30; 1280*720@30; 640*480@30; 320*240@30. YUV : 1920*1080@5; 1280*720@12; 640*480@30; 320*240@30
<b>Audio</b>	
Audio Input/ Output	Built-in Omni-directional microphone array
Protocol	UAC
Microphone	4pcs Omni-directional microphone
Speaker	4Ω/8W 100-24KHz 2 inch anti-magnetic horn
Pickup bandwidth	100-16KHz
Sampling frequency	32KHz(Ascending), 48KHz(Descending)
Sensitivity	-38dB~94dB SPL@1KHz
S/N ratio	65dB 94dB SPL@1KHz
Audio Feature	Auto acoustic echo cancellation, Auto gain, Auto background noise suppression, Full-duplex, 360°Omni-directional pickup, Array Microphone algorithms
Pickup range	3~5meters, ideal within 3 meters
<b>Others</b>	
Operation System	Windows7/8/10, MAC OS 10.7 and above, Android, Linux
POE	Supported (IEEE802.af)
Power Consumption	12V/500Ma, power adapter
Dimension	395mm×113mm×112mm
Work Temperature	0°~40°C
Storage Temperature	-40°~70°C

**Input/Output Photo:**

