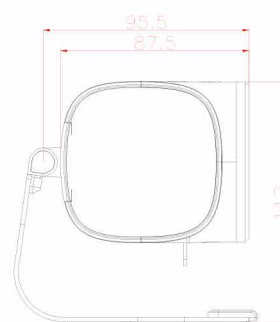
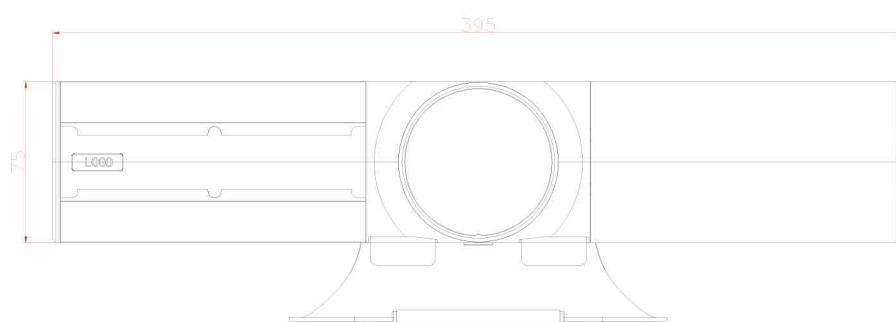

TLC-800-U3-4K

All-in-One Video Camera with Sound Bar





TLC-800-U3-4K All-in-One Video Camera with Sound Bar





FEATURES

Video Part

- Adopted advanced high definition DSP, 1/2.5" 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.
- USB3.0 port (compatible with USB2.0) to output high and low video resolution for different application scalable.
- Max resolution 2160p30 (MJPEG/H.264/H.265) is supported.
- Support standard Sony VISCA over IP, to control the camera via IP remotely.
- 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 Auto frame: Auto-frame participants at meeting start or enter, leave, or change positions; Auto-frame can be closed via remote controller.
- Support Chinese and 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:

Model Number	TLC-800-U3-4K All-in-One Video Camera with Sound Bar		
Video			
Sensor	1/2.5 " 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		
exposure	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 Frame	Support
Remote Controller	2.4G remote controller to set OSD menu, audio, mute, video		
USB Port	USB3.0 Type B/USB2.0		
Protocol	UVC1.0~1.5		
Video Format	MJPG/H.264/H.265/YUY2		
Video Format	MJPG/H.264/H.265: 3840x2160, 2592x1944, 2048x1536, 1920x1080, 1600x1200, 1280x1024, 1280x720, 1280x960, 1024x768, 800x600, 720x576, 704x576, 640x480, 640x360, 352x288, 320x240, 320x180 YUV : 1920x1080, 1600x1200, 1280x1024, 1280x720, 1280x960, 1024x768, 800x600, 720x576, 704x576, 640x480, 640x360, 352x288, 320x240, 320x180		
Frame	30FPS/25FPS/20FPS/15FPS/10FPS/5FPS		
Audio			
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	S/N ratio	65dB 94dB SPL@1KHz
Sampling frequency	32KHz(Ascending), 48KHz(Descending)	Sensitivity	-38dB~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		
Others			
Operation System	Windows7/8/10, MAC OS 10.7 and above, Android, Linux		
IP Port	RJ45:10M/100M/1000M Base-T		
RJ45	Only used for control and firmware upgrade		
Power Consumption	12V/500m		
Dimension	φ 112 × φ 103 × 395mm		
Work Temperature	0 ° ~40 ° C		
Storage Temperature	-40 ° ~70 ° C		
Color	Metal Silver		