



TLC-300-IP-12-4K(NDI)-AB

4K60 NDI®|HX Live Streaming PTZ Video Camera

Deliver High-End Features for Live Broadcasting

TLC-300-IP-12-4K(NDI)-AB is a truly 4K60 12X PTZ camera, integrated with the latest NDI® SDK, equipped with American most advanced image processing solution, Sony 1/2.8-inch 8.4MP sensor, truly 4K 12x lens with 80-degree FOV, with Telycam's cutting-edge proprietary video camera algorithms, output 4K60 ultra HD sharp image with realistic color, even at low light or high contrast light environment.

It has compact, robust, and sophisticated PTZ mechanical design and accurate driven algorithms, to enable smooth and silent pan, tilt, and zoom movement.

NDI®|HX, HDMI2.0, SDI and USB2.0 simultaneously output 4K UHD and Full HD resolution, ideal for professional live streaming applications.



NDI® | HX

12X

4KP60

POE+

Features&Benefits

Ultra HD 4Kp60/59.94 Resolution

Equipped with advanced image processing solution and cutting-edge video camera algorithms, a Sony 1/2.8 inch sensor and high-quality lens, to output crystal clear image, max up to 4Kp60/59.94 ultra-high definition resolution.

12x optical zoom

Featured with a truly 4K high-quality 12x optical zoom&4x digital zoom lens with F1.8 iris and 80.5 super wide angle, which is able to capture the participants at a distance of 15 meters, allowing the participants to occupy 1/3 of the screen in the display very clear and lively.

NDI®|HX, HDMI2.0, 3G-SDI and USB various video output interface

With full video output interface, NDI®|HX and HDMI2.0 output max up to 4Kp60/59.94 resolution simultaneously, 3G-SDI (both level A and level B) and USB-C output max up to 1080p60/59.94 at the same time.

Smooth and silent PTZ movement

Thanks to the compact, robust, and sophisticated mechanism design, and accurate driven algorithms, it can move very smoothly without noise at variable pan/tilt/zoom speed.

128 Presets with multiple settings

Each presets can be set with different pan/tilt/zoom speed, image parameters such as exposure, white balance and frozen/unfrozen.

SRT Supported

SRT enables the delivery of high-quality and secure, low-latency video across the public Internet. SRT optimizes streaming performance across unpredictable networks with secure streams and easy firewall traversal, bringing the best quality live video over the worst networks.

RTMP Supported

RTMP stands for Real-Time Messaging Protocol. This protocol facilitates the transmission of audio, video, and data in real-time. It is a key component of live streaming technology because of its ability to maintain low-latency connections. RTMP/RTMPS to live-streaming to YouTube Live, Facebook live and other platforms directly.

Features & Benefits

POE

Power over Ethernet

A single cable to realize power, video, control, and Tally for the camera.

TALLY

Program and Preview Tally

The indicator light can work as Tally when receiving tally notification from the NDI® devices, to show the live is on or off.

High-Quality Audio

High-Quality Audio

Built-in professional level audio in for line-in input, and the audio can output with the audio from NDI®|HX, HDMI, and SDI.

Firmware Upgrade

Pain-Free Firmware Upgrade

Firmware is upgraded via WebUI with a single file, following the guideline by successive "click", then it works

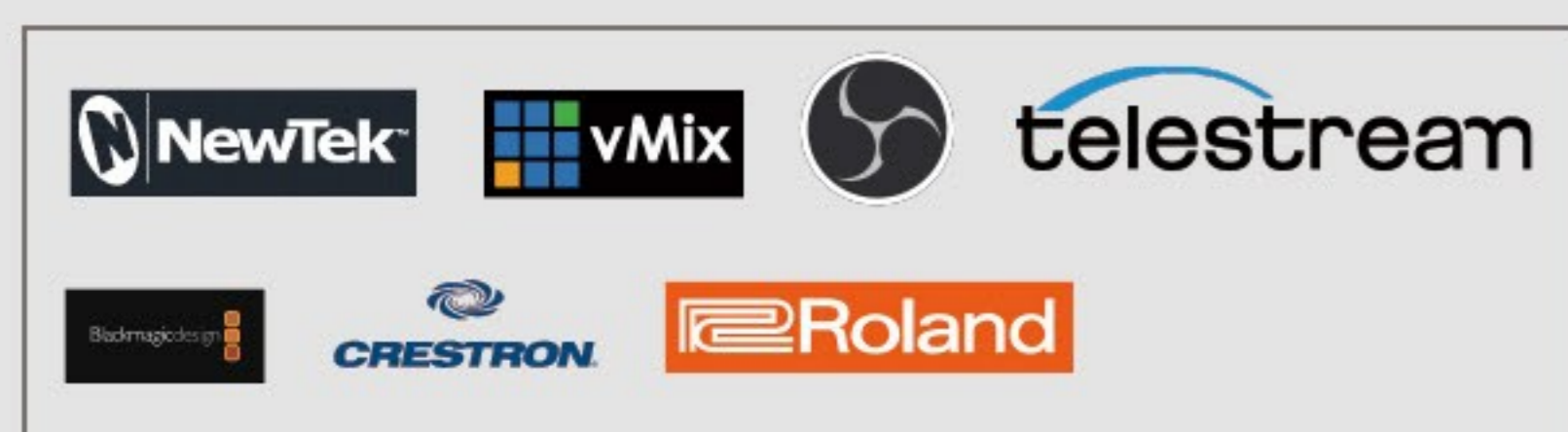


Intuitive WebUI for Preview and Control

With intuitive WebUI, you can preview the video and operate the control of the camera via it easily. It can be opened in different browsers directly without any plug-in.

Sensor	1/2.8 inch 8.4MP CMOS Sensor
Video Format	HDMI:3840*2160P60/59.94/50/30/29.97/25; 1920*1080P60/59.94/50/30/29.97/25/24/23.98; 1920*1080I60/59.94/50; 1280*720P60/59.94/50/30/29.97/25
	NDI® HX: Main stream:3840*2160P15~60;1920*1080P15~60;1280*720P15~60;1024*576P15~60 Sub stream:640*360P30
	3G-SDI:1920*1080P60/59.94/50/30/29.97/25/24/23.98; 1920*1080I60/59.94/50; 1280*720P60/59.94/50/30/29.97/25
	USB Type-C: NV12:1920*1080P5;1280*720P15;1024*576P25;800*448P30 YUYV:1920*1080P5;1280*720P15;1024*576P25;800*448P30 MJPG:3840*2160P30;1920*1080P60;1280*720P60;1024*576P60;800*448P60 H264/H265:3840*2160P30;1920*1080P60;1280*720P60;1024*576P60;800*448P60
Zoom	12X Optical Zoom+4X Digital Zoom
Horizontal View Angle	7.6°(Tele)~80.5°(Wide)
Lens	Focal length:3.4mm~40.3 mm Iris:F1.8(Wide)~F3.6(Tele)
Shortest Focus Distance	Wide:1m Tele:1.5m
Preset	Remote controller: 10; Serial port: 128; Accuracy:0.1°
Pan Rotation Angle	-170° ~+170°
Tilt Rotation Angle	-30° ~+90°
Pan Rotation Speed	0.1°~120°/s
Tilt Rotation Speed	0.1°~80°/s
Control Port	RS232(RS485), NDI® HX, USB Type-C
Video Port	NDI® HX, HDMI, 3G-SDI, USB Type-C
Audio Port	3.5mm Line in
Network Port Speed	1000M
Noise Reduction	2D&3D
Minimum Illumination	0.01 lux
White Balance	Auto/Manual/Auto tracking/Push/Indoor/Outdoor/Color Temperature
Exposure	Auto/Manual/Shutter Priority/Iris Priority/Brightness Priority
Anti-Flicker	OFF,50Hz,60Hz
Image Flip	Support
Mirroring	Support
Focus	Auto/Manual
Iris	Auto/Manual
Electronic-shutter	Auto/Manual
Gamma	Support
Backlight Compensation	Support
Tally	Support
Video Encoding	H.264, H.265
Bitrate Control	Variable bitrate(VBR), Constant bitrate(CBR)
Bitrate Range	1024Kbps~61440Kbps
Protocol	NDI® HX, VISCA over IP, VISCA, RTSP, RTMP, HTTP, ONVIF, TCP/UDP, PELCO-P/D
POE+	Support
Daisy Chain	Support
Input Voltage	DC12V, POE+(IEEE802.3at)
Dimension (L×W×H)	220mm×190mm×173mm
Net Weight	1.5kg(3.3LBS)

Work With



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