



VISION+ 4KZ

Versatile 4K 20X Box Camera for Broadcast and Streaming

Telycam Vision+ 4KZ is a professional-grade 4K 60fps box camera with a 20x optical zoom, designed for a wide range of video production applications. This versatile camera boasts an integrated color LCD screen with tactile controls, enabling direct on-camera adjustment of key parameters. With comprehensive connectivity options like NDI®HX3, SRT, RTMP, and HDMI, it seamlessly integrates into any workflow. The camera supports professional audio inputs, including XLR with phantom power. Its robust chassis offers multiple mounting points for flexible rigging. Advanced features include simultaneous 4K and 1080p cropped output, Dual Smart Tracking Modes: Auto Framing and Auto Tracking, and onboard MicroSD recording.

NDI®HX3 | 20X | 4K60 | E-PTZ
AUTO-TRACKING
SIDE PANEL



4K UHD Resolution

Experience breathtaking detail and clarity with ultra-high-definition 4K (3840 x 2160) video at 60fps. Our advanced image processing ensures lifelike images, even in low-light conditions.

Perfect Color Match for Multi-Camera Productions

The Vision+ 4KZ box camera solves color and visual inconsistency in multi-camera productions by using the same high-quality lens, sensor, and processor as the Vision+ 4KN 20x PTZ, ensuring a consistent look across fixed and PTZ setups.

Side Control Panel for Key Image Parameters & IP Address

Quickly access and adjust essential image parameters and view the IP address directly on the camera's side panel, streamlining your workflow.

20X Optical Zoom

The Vision+ 4KZ offers 20X optical zoom options with FOV of 61°. Its advanced focusing algorithm ensures rapid and accurate focus even during zoom or movement.

Built-in CROP Dual Smart Tracking Modes (1080P and Below)

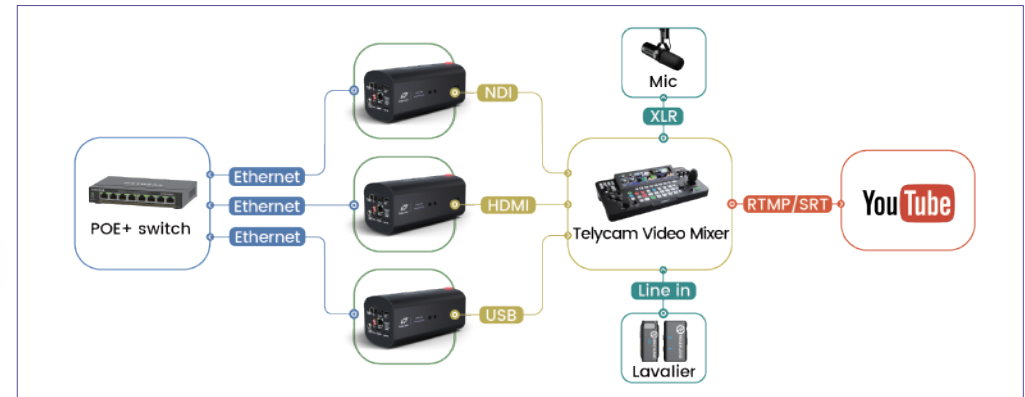
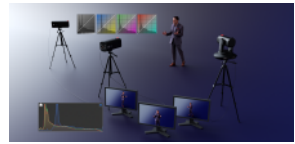
In CROP mode, two intelligent tracking options are available: Auto Framing and Auto Tracking. Auto Framing dynamically adjusts the frame to keep the subject perfectly centered. Auto Tracking uses advanced AI algorithms to identify and follow the subject even in complex environments.

Embed the Latest NDI® SDK

Leverage the power of Newtek's NDI® for plug-and-play compatibility with various live streaming products and platforms, creating diverse and engaging content.

All-in-One Live Streaming Camera

The camera delivers simultaneous output via NDI®HX3, HDMI, and USB 2.0, offering versatile connectivity for hybrid workflows. For audio, it includes 3.5mm and Mini XLR ports (with +48V phantom power) to support studio-grade microphones. A built-in tally light provides real-time visibility of streaming status.



Specifications

Camera		Vision+ 4KZ 20X
Part Number	TLC-600-IP-20-4K(NDI)-AB	
Sensor	1/1.8-inch, 9MP UHD CMOS sensor	
Zoom	20X optical zoom	
Lens	f=6.25mm~112.5mm, F1.58~F3.96	
Horizontal View Angle	61° (Wide) ~ 3.5° (Tele)	
Minimum Working Distance	1.0m	
Vertical Viewing Angle	34.1° ~ 1.9°	
Diagonal Viewing Angle	60.7° ~ 3.5°	
S/N Ratio	≥50dB	

Video Format	HDMI2.0:
	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®HX3:
Main Stream:	
3840*2160P15~60; 1920*1080P15~60; 1280*720P15~60; 1024*576P15~60	
Sub Stream (CROP):	
1920*1080P15~30; 1280*720P15~30; 1024*576P15~30;640*360P15~30	
USB 2.0:	
NV12: 1920*1080P5; 1280*720P10; 1024*576P15; 800*448P30	
YUYV: 1920*1080P5; 1280*720P10; 1024*576P15; 800*448P20	
MJPG: 1920*1080P60; 1280*720P60; 1024*576P60; 800*448P60	

Image Parameters

Noise Reduction	2D&3D
Minimum lux	0.5 Lux(50 IRE Max AGC, 1/30, F1.8)
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	Supported
Mirroring	Supported
Focus	Auto/Manual
Iris	Auto/Manual
Electronic-shutter	Auto/Manual
Gamma	Supported
Backlight Compensation	Supported

IP Streaming

Video Encoding	H.264/H.265
Bitrate Control	Variable bitrate(VBR), Constant bitrate(CBR)
Bitrate Range	1024Kbps~61440Kbps
Network Port Speed	1000M
Protocol	NDI®HX3, SRT, HTTP, RTSP, RTMP, ONVIF, VISCA over IP(TCP&UDP), VISCA, PELCO P/D, SSDP, NTP, RTP Multicast, WebRTC

I/O Interface

Control Port	RS232, RJ45
Video Port	NDI®HX3, HDMI2.0
Audio Port	Stereo 3.5mm linear inputs, mini XLR
Tally	Support
POE+	Support

General

Input Voltage	DC12V, POE+(IEEE802.3at)
Operating Temperature	-10 ℃ ~ 50 ℃
Operating Humidity	≤80%
Color	Black
Dimension (L×W×H)	82mm×85.3mm×186.5mm
Net Weight	0.95kg(2.09LBS)

Audio Input
3.5mm stereo line in,
mini-XLR with phantom power

Power Supply
DC12V, POE+

Video Output
USB 2.0, HDMI, NDI®HX3

