



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 via HDMI. 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)

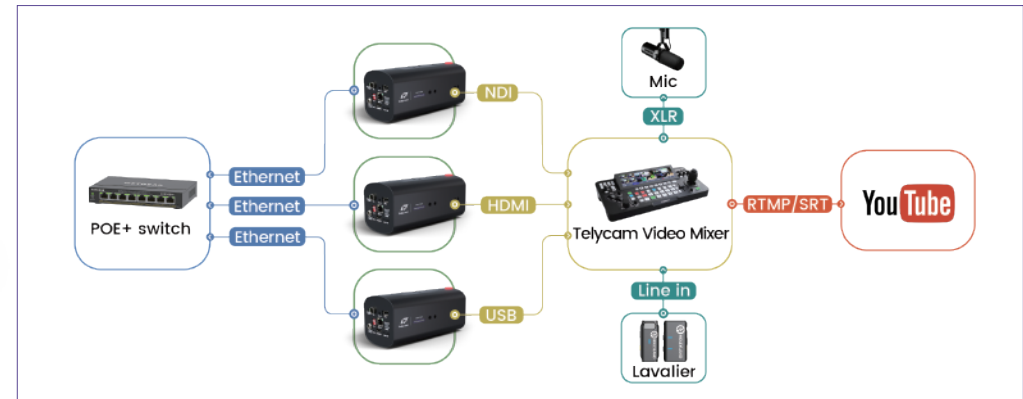
In CROP mode, two intelligent tracking options are available: Auto Framing and Auto Tracking. Auto Framing dynamically adjusts the frame to keep the subject perfectly centered. Auto Tracking uses advanced AI algorithms to identify and follow the subject even in complex environments.

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

It features multi-interface output support via NDI® HX3, HDMI, or USB 2.0. For professional audio integration, it offers dual connectivity: a 3.5mm line-in and a Mini XLR port with +48V phantom power, ensuring compatibility with studio-grade microphones. An integrated tally light delivers clear visual status feedback during live streaming.



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*2160P15~30; 1920*1080P15~60;
 1280*720P15~60; 1024*576P15~60
 Sub Stream (CROP):
 1920*1080P15~60; 1280*720P15~60;
 1024*576P15~60; 640*360P15~60

USB 2.0:
 NV12: 1920*1080P5; 1280*720P10; 1024*576P15; 800*448P30/25
 YUYV: 1920*1080P5; 1280*720P10; 1024*576P15; 800*448P20/15
 MJPG: 1080P60/50/30/25; 1280*720P60/50/30/25;
 1024*576P60/50/30/25; 800*448P60/50/30/25

Image Parameters

| | |
|------------------------|---|
| Noise Reduction | 2D&3D |
| Minimum lux | 0.5 Lux(50 IRE Max AGC, 1/30, F1.58) |
| 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

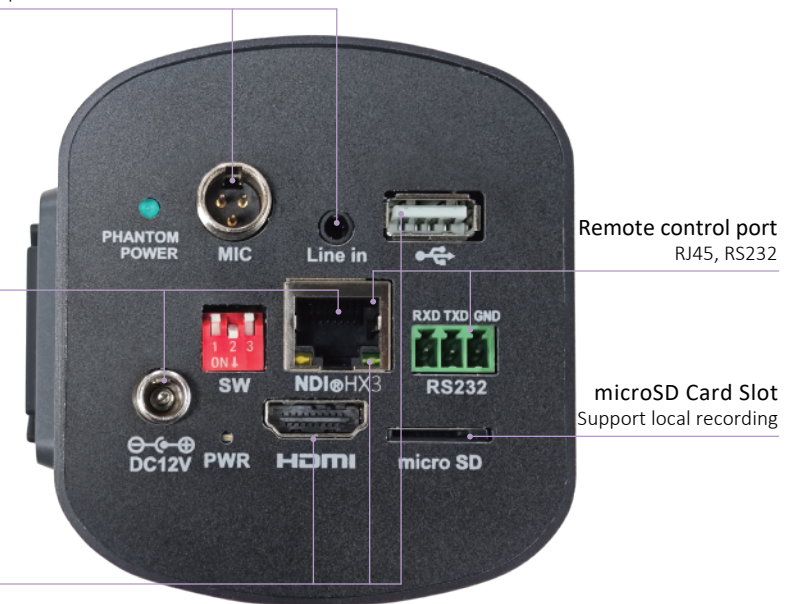
| | |
|-----------------------|--------------------------|
| Input Voltage | DC12V, POE+(IEEE802.3at) |
| Operating Temperature | -10℃ ~ 50℃ |
| Operating Humidity | ≤80% |
| Color | Black |
| Dimension (LxWxH) | 82mm×85.3mm×186.5mm |
| Net Weight | 0.95kg(2.09LBS) |

Audio Input

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

Power Supply
 DC12V, POE

Video Output
 USB 2.0, HDMI, NDI®HX3



Remote control port
 RJ45, RS232

microSD Card Slot
 Support local recording