

ZowieCAM 4K POVZoom camera crafted in an ultra compact, durable aluminum body. It is the smallest 4K Ultra HD POV optical zoom camera in the world with streaming capability plus featuring NDI@HX3, PoE and distinct tally light. It is rugged, small form-factor, light weight and professional for critical streaming applications. It is cost effective, easy to use, user friendly with top and bottom standard tripod mounts. ZowieCAM supports popular USB Type-C charger, PoE 802.3af, WIFI and a range of innovative modern features. It is a standalone streaming IP camera with HDMI and SDI output, no PC required.

The POVZoom has two standard 1/4" tripod mounts and gyroscope detection. The design makes it flexible to mount anywhere but always with correct video direction automatically.

The camera features affordable innovative 3x optical zoom Lens, F2.0 aperture and auto focus plus 16x digital zoom capability. It assures the video always crisp, focus sharp with proper video size. 92° Wide to 35.8° TELE FOV makes it so flexible to fit various applications.

The Sony Ultra-HD 4K back-illuminated and stacked sensor offers crystal clear and rich color accurate video with improved low light sensitivity. It has 4K HDMI, 3G SDI and NDI output simultaneously with embedded audio.

Streaming on-the-go, turn compact ZowieCAM into NDI enabled real-time, low-latency high-quality video over IP workflow. NDI@HX3 is even better than or equivalent to USB camera. It allows seamless integration of the camera to any NDI environments over a single network cable. It can also work as a webcam and record video to TF or NAS.

The camera can be powered by any handy USB type C power adapter, any DC power adapter via type C to DC adapter or PoE up to 100 meters. Single cable for Video, Audio, Power and Tally in addition to NDI. All above makes it can be easily installed anywhere.

Build-in rear button can help to setup the camera quickly and conveniently in the field. You can even watch the camera video and setup the camera by the phone besides HDMI or SDI monitor.

The camera has built-in Tally light for multi-camera live production. It supports VISCA over IP or NDI full control from a distance. The Tally can sync to vMix, OBS and Tricaster.

The state-of-art, all-in-one ZowieCAM POVZOOM cameras offer system integrators, streaming professionals, scientific researchers and OEM partners a flexible and affordable solution to stream high quality video over network and video source.



Highlights :

- ◇ Innovative 3x optical zoom lens with auto focus in POV camera
- ◇ Sony Ultra-HD 4K back illuminated and stacked 1/2.3" sensor
- ◇ Crisply-detail, low noise 4K video
- ◇ Built-in tally light PVW/PGM in multi-camera productions
- ◇ Accurate auto exposure with zone option
- ◇ Auto, manual, color temp, one push white balance
- ◇ Image freeze support
- ◇ Simultaneous 4K HDMI and 3G SDI outputs with embedded audio
- ◇ Up to 4K30 hardware video encoder
- ◇ H.264 HP/MP/BP or H.265/HEVC MP codec
- ◇ NDI® | HX3 support with better quality and very smallest delay
- ◇ Up to 50mbps bitrate, high bandwidth video stream for best quality
- ◇ NDI® | HX, RTSP, SRT, RTMP(s) streaming up to 4K30
- ◇ NDI or streaming over WIFI
- ◇ Low latency SRT streaming
- ◇ Direct standalone streaming to CDN like YouTube, no PC required
- ◇ Video scale down, Vertical/Portrait crop and rotation streaming support
- ◇ Simultaneous live out in different RTMP SRT RTSP and multiple CDN
- ◇ Adaptive AAC audio for both embedded audio and analog
- ◇ Analog stereo line in audio input
- ◇ IP VISCA control, NDI® and Web control
- ◇ Simple setup and configuration via login protected web interface
- ◇ Comprehensive control via by PC, smartphone, iPad, Controller and Panel
- ◇ Live video feed to PC, phone and iPad
- ◇ Flexible WYSIWYG OSD, text, logo and stamp image overlay, user-friendly
- ◇ Easy access and plug-and-play installation by mDNS
- ◇ Automatic rotation for vertical/portrait output and encoding
- ◇ Multiple standard tripod mounts also for vertical/portrait video
- ◇ Handy and convenient USB-C, DC, or single cable PoE power
- ◇ RESTFUL API supported for DIY automation and system integrator
- ◇ With two standard 1/4" camera tripod mount
- ◇ OEM/ODM support

4K NDI POVZoom Camera

H.264/H.265 HEVC, Low latency, Multiple Streaming and Live Video Preview

Specification

Power:		Camera Control:	
Input	: USB TYPE C, 12V DC (Via Adapter) Up to 20V 0.5A, 12W and above	Protocol	: VISCA over IP, NDI®, Web, OnVIF
	: PoE(802.3af), CAT5e above	Local	: Rear 5 button menu control
Consumption	: <12W Max	WEB	: Browser GUI from desktop or mobile
Camera:		Audio :	
Sensor size	: Sony 1/2.3"	Sampling	: 32, 44.1, 48KHz
	Back-illuminated and stacked Exmor R CMOS	Encoder	: AAC, MP3, 16bit
Effective Pixels	: 8Mega Pixels, 3840(H) x 2160(V)	Bitrate	: 32-192kbps
Electronic Shutter	: AUTO, 1/25, 1/30, 1/50, 1/60, 1/90, 1/100, 1/120, 1/125, 1/180 1/250, 1/300, 1/350, 1/500, 1/600, 1/725, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/6000, 1/10000	Line Input	: 0.7VRMS, 20K, 2CH, AGC
Aperture/IRIS	: F2.0-3.7, Default factory installed lens	Source	: Line In/MIC
Gamma Control	: 9 options	Audio Embedding	: HDMI, SDI and NDI
Noise Reduction	: 2D/3D		
White Balance	: Auto, One Push, R/B Gain, Color Temp, Lock	Tally:	
Color Temp.	: 3000-6500K	Tally LED	: Auto/Manual
Focus	: Manual, AF	Storage	
Focus Zone	: 6 zones and Point Focus	Network	: TF/NAS
Exposure	: AE/AEE/SAE/M with AE lock	Recorder	: mp4, mov, ts
Gain	: 0 ~ 16 steps	Software	
Focal Length	: f2.0~3.7	Firmware	: Upgradeable, Linux OS
FOV(D/H/V)	: Wide:92°/81.4°/50.5°, Tele:35.8°/31.3°/18.2° Distortion < 3%	Interface:	
Zoom Ratio	: 3x	Power	: 1 x USB TYPE C, PoE
FOV(D/H/V)	: 90°/77.5°/61°, Distortion < -0.5%	HDMI Input	: 1 x TYPE A, Receptacle, 1.4b
Mirror/Flip	: Automatically	Audio In	: 1 x 3.5mm TRS Jack
Flicker Cancel	: Auto/50/60	Network	: 1 x RJ45, PoE
Video:		USB	: 1 x USB, Type C
Video Encoder	: H.264 HP/MP/BP, H.265 MP	Visible	: 1 x LED, Rear
Resolution	: 4K2160p25/30, 1080p25/30/50/60 1080i50/60, 720p50/60	SDI	: 1 x BNC Full size
Frame Rate	: 24/25/30fps, 50/60fps for 1080/720p	Tally	: 1 x LED, Front
Codec	: H.264/H. 265	Physical	
Rate Control	: CBR/VBR	Body size	: 68.6L x 60. 2W x 51H mm(2.7" x 2.36" x 2")
Live Preview	: Web, HDMI output	Weight	: 225g (7.9oz) , Black aluminum
OSD	: English/Chinese, WYSIWYG editor	Operating	: 0°C to 45°C(32°F to 113°F), Indoor
Network:		Storage	: -20°C to 60°C(-4°F to 140°F)
LAN	: 100Mbps	Mount	: 1/4"- 20UNC x2 tripod
Web	: http, https		
WIFI	: 802.11a/b/g/n/ac, Dual Band	Certification	
Bluetooth	: V5.0	CE, FCC (In progress)	
Streaming:		Ordering	
Streaming Out	: RTMP(s)/SRT/RTSP	30651-NZZ	
Bit Rate	: Max. 50mbits/s, adjustable	ZZ =03, 3x	
NDI®	: NDI® HX3/HX2/HX (NDI v5.5, upgradeable)	=25, 25x*	
Recorder	: mp4, mov	=18, 18x*	
Main Video Stream	: Up to 4K	=12, 12x*	
Secondary Stream	: Up to 720p	N =0	
Portrait	: Vertical streaming	=1, NDI® HX3	
Video		*Not released	
HDMI Out	: 1.4b, 4:2:2(YCbCr)	Accessories	
SDI Out	: 3G SDI, 800mVpp, 75ohm, 4:2:2(YCbCr)	USB TYPE C 25W PD Charger x 1	
NDI	: NDI HX, HX2, HX3	USB TYPE C Cable	
UVC Out	: MJPEG, H.264	Quick Start Guide	
Configuration :		*Accessories is optional and sold separately	
Setting	: Smartphone, Tablet, PC, RESTFUL API		
OSD	: Text, Logo Caption		

* All specifications are subject to change without notice.
* Accessories may be different for different product options.
* Actual object may differ from what shown in catalog.