

4K UltraHD HDMI Video Recorder

Ultra compact, Standalone hardware recorder, Zero latency path-through

ZowieRec is a compact, standalone video recorder housed in a sleek aluminum silver case, designed for both CVBS and HDMI video recording. This next-generation device supports 4K Ultra HD video and is ultra-compact, making it highly portable. It can capture video from a wide range of HDMI sources, including set-top boxes, TV receivers, DSLR cameras, TV sticks, DVD players, PCs/laptops, gaming consoles, and endoscopes, saving recordings directly to a MicroSD card, USB flash drive, external HDD or even NAS(Network Attached Storage) via LAN connectivity advanced users.

Additionally, with its included AV2HDMI adapter, the ZowieRec can upscale and record video CVBS from older analog sources like VHS, VCR, DVR, DVD, Hi8, MiniDV, camcorder, or retro gaming console, enhancing the quality up to 1080p.

The device also allows instant playback of recorded videos on a TV or monitor via remote control. Its flexible scheduling feature ensures you never miss recording your favorite content. Gamers will appreciate its ultra-low zero-lag pass-through latency, supporting up to 4K60, making it perfect for Xbox, PS4/5, or Nintendo Switch gameplay.

ZowieRec is capable of recording high-quality 4K video in MP4, MOV, or TS formats, as well as capturing exceptionally clear still snapshots. The storage is compatible with both exFAT and the older FAT32 file systems. Additionally, videos can be saved in split files based on size or length, making them easier to manage and handle.

A unique distinctive blue LCD can display all recording statuses. With this advantage, one can comfortably sit on the sofa and use the remote control to effortlessly operate and monitor all recording states through the LCD during video in loop-through mode or without on-screen status. Moreover, a large, built-in light panel provides a highly visible indicator of recording status, even from a distance.

ZowieRec can record videos as cinematic 24fps with the same experience in the cinemas if the video source is also 24fps in cinema or filmmaker mode.

ZowieRec is powered by a standard USB Type-C port, making it highly portable for travel, use in vehicles, at parties, or while camping. It can be powered by any USB-C adapter or power bank above 18Watt, enabling convenient on-the-go recording.

For users who prefer not to connect ZowieRec to a TV or monitor, the device offers wireless connectivity via Wi-Fi or hotspot to smartphones or tablets. This allows seamless control of all recording functions and real-time video previews directly on your mobile device. For advanced users, ZowieRec's state-of-the-art design doubles as a versatile 4K video streaming encoder/decoder, complete with Power over Ethernet (PoE) support. This all-in-one functionality makes it an ideal solution for professional-grade streaming setups and applications.

ZowieRec combines rugged durability, a compact design, and lightweight portability, making it a professional-grade video recording solution. Built for simplicity, it offers a cost-effective, user-friendly experience with an intuitive interface that ensures effortless operation in diverse environments

ZowieREC



Highlights :

- ◇ Record universal HDMI video up to 4K video and image
- ◇ Live video passthrough out with zero latency, best for game streaming without CPU load of game computer/console.
- ◇ Standalone recording, clean and no PC/Laptop required.
- ◇ Recorder and player in small box, one device multi-purpose
- ◇ Up to 4K30 hardware video encoder and decoder
- ◇ Up to 4K60 and 1080p120Hz loop through
- ◇ High efficiency H. 264 HP/MP/BP or H.265/HEVC MP codec
- ◇ 4K HDMI input and HDMI loop out/output with embedded audio
- ◇ Automatically stop and start video recording when video signal lost or resume.
- ◇ Auto input detection, auto resolution and format switching
- ◇ Up to 50mbps bitrate, high bandwidth video stream for best quality
- ◇ Adaptive AAC audio for both embedded audio and analog
- ◇ Analog line in audio input and headphone output
- ◇ Video recording capability in mp4/mov/ts format
- ◇ Live video feed to PC, phone and iPad
- ◇ setup and configuration via remote control or web interface
- ◇ https supported for secured web transfer across web
- ◇ Comprehensive control via by PC, smartphone or iPad
- ◇ Native Portrait/Vertical or Landscape to Vertical video streaming
- ◇ RTSP, SRT, RTMP(s) steaming decoder up to 4K30
- ◇ WYSIWYG, powerful and flexible OSD, text, logo and stamp image overlay, user-friendly and what you see is what you get.
- ◇ Built-in tally light PVW/PGM in multi-camera productions
- ◇ Rich working or vital operating status in front display at a glance
- ◇ With standard camera tripod mount
- ◇ Support YouTube, Twitter, Facebook and Twitch etc.
- ◇ Simultaneous live to multiple CDN in RTMP(s)/SRT
- ◇ Easy access and plug-and-play installation by mDNS or hotspot
- ◇ Handy and convenient USB-C, DC, or single cable PoE power
- ◇ PoE with DC OUT to power other devices
- ◇ RESTFul API powered by [ZowieAPI](#)
- ◇ OEM/ODM support

4K UltraHD HDMI Video Recorder—ZowieREC

H.265 HEVC, Schedule Recording, Pause and Resume and Cinematic Recording

Specification

Power:

Input : USB TYPE C, 25W above
Up to 20V 1A, 25W up with DC Adapter
: PoE+(IEEE802.3at), CAT5e above
Consumption : ~10W Max (Without DC Out)
Output : 12V 1.5A DC Max with current limit

Video:

Video Encoder : H.264 HP/MP/BP, H.265 MP
Resolution* : 4K2160p25/30, 1080p25/30/50/60
Encoder/Decoder : 1080i50/60, 720p50/60
For both video Input & Output
CVBS PAL/NTSC, with AV2HDMI Adapter
Loop through* : Up to 4K60, 1080p120Hz
Frame Rate : 24/25/30fps, 50/60fps for 1080/720p
24/25/30fps for 4K

Codec : H.264/H.265
Rate Control : CBR/VBR
Live Preview : Web, HDMI loop through and output

*Resolution above 4K30 will be automatically down scaled for streaming

Network:

LAN : 100/1000Mbps Gigabit
WIFI : 802.11a/b/g/n/ac, Dual Band
Bluetooth : V5.0
WEB : http, https

Streaming:

Encoder : RTSP/RTMP(s)/SRT
Decoder : RTMP(s)/SRT/RTP/UDP/RTSP/TCP/HTTP(s)
*SRT caller only
Bit Rate : Max. 50mbits/s, adjustable
Recorder : MP4, mov, ts
Rotation : Vertical/Portrait streaming
Main Video Stream : Up to 4K30
Secondary Stream : Up to 720p for 4K30, 1080p for 1080 input

Audio :

Sampling : 32, 44.1, 48KHz
Encoder : AAC, MP3, 16bit
Bitrate : 32-192kbps
Channel : Dual, AGC
Input : 0.7VRMS, 20Kohm
Output : 16 ohm, 30mW
Source : HDMI Embedded, Line In

Input/Output

HDMI In : 1.4b/2.0b, RGB/YCbCr 444/422/420
HDMI Loop out : 2.0, up to 4K60
HDMI Out : 1.4b, up to 4K30, 4:2:2(YCbCr)
NDI : NDI® | HX3/HX2/HX (NDI 5.5 upgradeable)
UVC : USB UVC IN/OUT

Configuration :

Display : Dot Matrix, COG
Setting : Mobile Phone, Tablet, PC
OSD : Text, Logo Caption, Time Stamp, WYSIWYG
Restful API : [ZowieAPI](#)

Tally:

Tally : Auto/Manual/Recorder/Off

Software

Firmware : Upgradeable, Linux OS

Interface:

HDMI Input : 1 x TYPE A, Receptacle, 1.4b
HDMI Loop Out. : 1 x TYPE A, Receptacle (Mux), 1.4b
HDMI Output : 1 x TYPE A, Receptacle (Mux), 2.0
Audio In : 1 x 3.5mm TRS Jack
Audio Out : 1 x 3.5mm TRS Jack
Network : 1 x RJ45, Gigabit, PoE
USB : 1 x USB, TYPE A
Visible : 1 x RGB LED Panel, 1 x LCD

Storage

Internal : 1 x MicroSD/TF, USB
Network : NAS
Disk Format : FAT32 up to 2TB, exFAT without limit
*All storage media not included

Physical

Size : 123 x 68 x 22mm(4.8" x 2.7" x 0.9")
Weight : 166g (5.9oz), Silver aluminum
Operating : 0°C to 45°C(32°F to 113°F)
Storage : -20°C to 60°C(-4°F to 140°F)
Tripod : 1/4" - 20UNC

Certification

CE, FCC

Ordering

30621-103 (30621-ZYX)

X=1

X=2, NDI

X=3, w/z Remote Control

Y=0, HDMI; =1, 3G SDI

Accessories

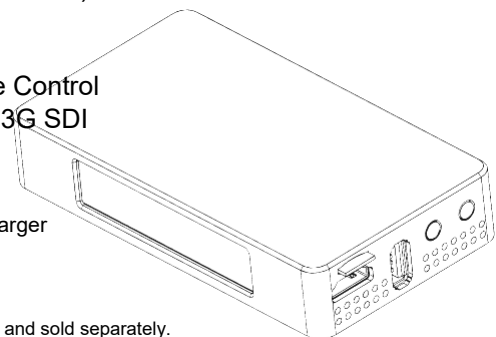
USB TYPE C PD Charger

USB TYPE C Cable

Remote Control

Quick Start Guide

*Accessories is optional and sold separately.



* 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.