



FHD NDI|HX2 PTZ Camera with 12x Optical Zoom

Simplify your setup for live streaming with the Everet EVP312. It is a flexible and scalable NDI PTZ camera that can be used in a wide range of applications, from live production to broadcast, and everything in between. The Everet EVP312 supports PoE, high quality Full HD video, tally and control using a standard gigabit enabled network and native integration of industry standard video software including Wirecast, xSplit, OBS, vMix, Livestream studio, Tricaster and more.

Features:

- ▶ Broadcast quality Full HD PTZ camera with NDI®|HX2
- ▶ High Performance Ambarella ISP chipset
- ▶ Simultaneous SDI, HDMI, USB, and NDI|HX output
- ▶ H.264 / H.265 streaming
- ▶ Up to 1080p60 video output
- ▶ Panasonic 1/2.8 inch 2.4MP CMOS Sensor
- ▶ 12X Optical Zoom, 72.5° Field of View
- ▶ RS-232, VISCA over IP Control
- ▶ Automatic NDI® tally support
- ▶ Power over Ethernet (PoE) support: get video, control, tally and power supply with one CAT5/6 cable
- ▶ NDI|HX2 (Everet NDI cameras are compatible with NDIv5)
- ▶ IP Streaming – RTSP/ RTMP/SRT/NDI|HX
- ▶ Webbased UI for easy setup, preview and control
- ▶ 3 year warranty

Product specifications

Camera	EVP312
Sensor	Panasonic 1/2.86 inch 2.4 MP CMOS sensor
Color Space	8bit RGB 4:4:4; ISP RAW (12bit)
Video	
Video Interface	HDMI 2.0 / 3G-SDI* / USB 2.0 (type-c) / RJ45 (IP) *Level A and B
Video Encoding	H.264/H.265
Streaming Protocols	NDI® HX2 / RTMP / SRT / RTSP
Bitrate control	Variable or Constant
Video Bitrate	1024Kbps ~ 16384Kbps
I-Frame Interval	3 - 120
Audio	
Interface	3.5mm Line-in
Samplerate	AAC: 16000Hz ~ 48000Hz LPCM: 11025Hz ~ 48000Hz
Bitrate for AAC	32000Kbps ~ 128000Kbps
Volume	1-100
Video format	
HDMI	1920x1080P60/50/30/25/59.94/29.97/24/23.98 1920x1080I60/50/59.94 1280x720P60/50/30/25/59.94/29.97
3G-SDI	1920x1080P60/50/30/25/59.94/29.97/24/23.98 1920x1080I60/50/59.94 1280x720P60/50/30/25/59.94/29.97
USB 2.0 (type-C)	NV12: 1024x576P24 800x480P30 YUYV: 1024x576P24 800x480P27 MJPEG: 1920x1080P60/50/30/25 1280x720P60/50 1024x276P60/50; 800x480P60/50 H264 /H265: 1920x1080P60/50/30/25 1280x720P60/50 1024x576P60/50 800x480P60/50/30
NDI® HX2 / RTMP / SRT / RTSP	Main Stream: 1920x1080@15~60 1280x720@15~60 1024x576@15~60 Sub Stream: 1280*720@3~60 1024*576@3~60 640*360@3~60

Product specifications

Camera	EVP312
Lens	
Optical Zoom	12x
Digital Zoom	Not supported
Aperture	F1.8(Wide) – F2.8(Tele)
Focal Length	f=3.92 ~ 47.32mm
Horizontal Viewing Angle	72.5° (Wide) ~ 6.3°(Tele)
Vertical Viewing Angle	42.72° (Wide) ~ 3.66 (Tele)
Diagonal Viewing Angle	78.58° (Wide) ~ 7.42° (Tele)
PTZ	
Speed by Zoom	ON/OFF
Pan/Tilt rotation range	Pan: -170° ~+170° Tilt: 30°~+90°
Pan/Tilt rotation speed	Pan: 0.1°~120°/s Tilt: 0.1°~80°/s
PTZ Freeze	Yes
Pan & Tilt Speed	5 - 24
Zoom Speed	1 - 7
Presets	IR Remote : 10, WebUI: 128, EVKB200N: 128, Serial: 128
Save AE & WB settings in preset	ON/OFF
Preset Speed Pan & tilt	5 - 24
Preset Speed Zoom	1 - 7

Product specifications

Camera	EVP312
Image	
Shutter Speed	1/1 – 1/10000s
Iris	F1.8 - F14
Minimum Object distance	Wide: 1m~INF; Tele: 1.5m~INF
Video S/N Ratio	>50dB
Minimum Illumination	0.01 lux
Focus	Auto / Manual / One Push Auto Focus
Gain Level	0-30Db
White Balance Modes	Auto / Manual / Auto Tracking / One Push / Indoor / Outdoor / Colour Temperature
Exposure Modes	Auto / Manual / Shutter Priority / Iris Priority / Brightness Priority
Wide Dynamic Range Level	Levels 1-6
Gamma	Levels 0-8
Anti-Flicker	OFF / 50Hz / 60Hz
3D NR	OFF / Auto / Level 1-4
2D NR	Yes
Image Flip	Yes
Image Mirror	Yes
Back Light Compensation	Yes
Tally Light	Yes

Product specifications

Camera	
EVP312	
Control	
Network (RJ45)	NDI / HTTP / ONVIF / VISCA over IP (TCP&UDP) / HTML5 (WebUI)
Serial	RS232 / RS422 / RS485 / PELCO P/D
IR Remote	Yes
Daisy Chain	Yes, up to 7 cameras
USB	USB2.0 (UVC1.1)
Visca over IP Port	52381
NDI Port	5961
Network	
Default IP	192.168.1.188
Port Speed	1 Gb/s
PoE	POE+(IEEE802.3at)
DHCP	Yes
Multicast	Yes
NDI Discovery Server	Yes
HTTP Port	80
RTSP Port	554
RTSP Encrypt	Yes
General	
Environment	Indoor
Operating Temperature	-10°C~50°C
Operating Humidity	≤80%

Product specifications

Camera	EVP312
Power input	DC12V/POE+(IEEE802.3at)
Power Consumption	PoE+ : 9W, DC in: 9W
Dimensions (LxWxH)	205mm×165mm×191.8mm
Weight	1.75 KG
EAN (EVP312 Black)	8720387387342
EAN (EVP312W White)	8720387387359



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