

Link do produktu: <https://winmar.pl/birddog-p110-full-ndi-sdi-10x-optical-zoom-p-176038.html>



BirdDog P110 - Full NDI®, SDI, 10x Optical Zoom

Cena brutto	11 775,00 zł
Cena netto	9 573,17 zł
Dostępność	Na zamówienie
Producent	BirdDog

Opis produktu

BirdDog P110 Full NDI®, SDI, 10x Optical Zoom

Full NDI® PTZ Cameras. Levelled up

P110 and P120 set a new benchmark in format support, connection flexibility, and picture quality, with excellent lowlight performance. Housing a Sony Exmor R back-illuminated sensor and BirdDog's custom NDI® silicon, P110 & P120 offer four output options including NDI®, SDI, HDMI for live production work, and UVC USB for connecting to Zoom & Teams. Output multiple flavours of NDI® including Full NDI®, NDI®|HX2, and HX3, as well as other options including SRT, h.264, and Cloud Connect. It even supports FreeD output for AR/VR workflows. There's also an OLED display to show the IP address, 360° degree mohawk tally, filter thread, and free Auto-Tracking available. And yes, the cameras support NDI® 5 natively.

P110. P120. Same Same but Different

P110 features 10x and P120 has 20x optical Zoom. Giving you ultimate flexibility to choose the perfect camera for your next production or meeting. In smaller studio and meeting spaces, P110 is your perfect companion, in larger areas with longer distance requirements, P120 adds additional reach and flexibility.

Sony Exmor R Sensor. Lowlight is a highlight

With a Sony Exmor R™ back-illuminated CMOS image sensor, P110 and P120 deliver beautiful images with significantly enhanced imaging characteristics including enhanced low noise sensitivity. *Exmor R is a registered trademark of Sony Corporation.

The BirdUI. With heads up display

P110 & P120 feature the world's most comprehensive interface for PTZ cameras. System statistics including the number of active connections, current bandwidth usage, and network traffic are presented in an intuitive way to give you the information you need at a quick glance.

NDI® 5. Welcome to the party pal

Full NDI® 5 support is built right in to P110 & P120 for maximum compatibility across all NDI®

ecosystems.

RUDP

Reliable User Datagram Protocol (now you know why we say RUDP) reduces overall network load as not every packet needs to be acknowledged by every receiver. RUDP has error correction built in for smoothness and maximum reliability so you can be confident your packets are getting to where they need to go.

NDI® Genlock

With NDI® Genlock you can select any NDI® source to be the timing master for your fleet of P110 or P120 cameras – allowing them all to operate off the same time-base, providing more predictable timing in multi camera environments. Perfect for greater continuity when recording concerts, conferences, and live productions.

FreeD

FreeD is a protocol for sending PTZ positioning data to AR/VR systems including Unreal Engine, Brainstorm, Vizrt's Viz Virtual Studio, and many more. Both P100 & P120 now support FreeD and it's all built right into the BirdUI. FreeD function is currently in beta. Final release coming soon.

NDI® Video Scopes

All P110 & P120 can generate scopes in camera to send out as NDI®, NDI® Proxy, or both. This allows for monitoring scopes on the NDI® Proxy while sending a clean main NDI® feed simultaneously. Choose from Histogram, Waveform, Vectorscope, or RGB Parade and the position on the NDI® stream.

360° Mohawk Tally

The innovative and totally punk mohawk tally gives a full 360° view so you'll never be caught out wondering which camera you need to be talking to.

Unique Numbering System

Removable silicon numbers at the back of the P110 and P120 give additional Tally vision and allow switcher operators to easily identify cameras.

OLED Display

The super handy OLED allows for information such as IP Address, Device Name, Stream Name, Resolution, and Frame Rate. Can also be turned off in the BirdUI.

Globally Connected. No computers needed

By adding a BirdDog Cloud subscription, you can now access the PTZ cameras and all features from anywhere in the world. No computers needed on the camera side. For more information about BirdDog Cloud [click here](#).

Specyfikacja

Feature	P110	P120
IMAGING		
Image Sensor	1 / 2.86 inch CMOS 2.2MP	
Lens	4.7-47mm	5.2-104mm
Optical Zoom	10x	20x
Digital Zoom	12x	16x
Horizontal angle of view	60.9° (W) – 6.43° (T)	55.8° (W)~3.2° (T)
Aperture	F1.6 (W) – F3.0 (T)	F1.5 (W) – F3.0 (T)
Minimum Illumination	Color: 0.5 lux	
Shutter Speed	1/1 – 1/30000s	1/1 – 1/10000s
Filter Ring	49mm	
Focus	Auto, Push, Manual	
White balance	Auto, Indoor, Outdoor, Manual, OPW, ATW, Temp (Kelvin)	

Feature	P110	P120
Exposure	Auto, Manual, Shutter/Iris Priority	
Backlight Compensation	Yes	
MECHANICAL		
Pan Movement	Horizontal: $\pm 175^\circ$ (Zoom Adaptive Speed Range: 0.05°/100%/s)	
Tilt Movement	Vertical: $+90^\circ$ to -30° (Zoom Adaptive Speed Range: 0.05°/72%/s)	
Preset Positions	128 (Speed adjustable: Up to 150%/s)	
Preset Speed	0-5 Level Adjustable	
Environmental	Indoor	
Operating Temperature	-10 – +50 (°C)	
Operating Humidity	$\leq 80\%$	
Operating Noise	Max 41dB at full speed pan	
Tally display	Bi Colour Full overhead and rear (w/included 0-9 number silicon plugs)	
ONBOARD DISPLAY		
Onboard OLED display	5-line, RGB Color, Graphical	
VIDEO INTERFACE		
Video Output	NDI/SDI/HDMI/USB2.0(UVC)	
Video Format support	1080p 60, 59.94, 50, 29.97, 25 - 1080i 60, 59.94, 50 - 720p 60, 59.94, 50	
HDMI Colour Space	YCbCr 4:2:2 12bit	
SDI Colour Space	YCbCr 4:2:2 10bit	
AUDIO I/O (via USB breakout cable)	3.5mm Audio In (Stereo)- 3.5mm Audio Out (Stereo) - (NDI, SDI, and HDMI only)	
Limited Resolution support over USB		
CONTROL INTERFACE		
IP Control	NDI Control (auto configuring), VISCA IP	
Serial PTZ control	1x RJ45: RS232/RS422	
Serial Control Protocol	VISCA / PELCO D	
Software control	Included Cam Control (Win 10.+) Realtime subject motion tracking control (AI)	
POWER & DIMENSIONS		
Power Input	12v DC, PoE+ (IEEE 802.3at)	
Dimensions	145x152x171mm	
Weight	1.0Kg	
NETWORK		
Video Compression		<ul style="list-style-type: none"> • Full NDI – i-frame high quality low latency NDI for production • h.264 long-GOP (Limited resolution support) • NDI – Discovery, configuration and control • NDI HX2* • SRT* • Cloud Connect* • RTSP* • RTMP*
Network Protocol Support*		
Web Control Interface	Full control via Web/Mobile UI including Scene presets	

* NDI®|HX2, NDI®|HX3, h.264, SRT, RTMP, RTSP, and Cloud Connect coming soon with a free firmware update.