BirdDog P4K
ProdCode: BDP4K

4K 10-Bit Full NDI PTZ Camera - Black

[Download Images] (.zip file)

Features

- 4K 10-Bit Full NDI PTZ Camera
- 1" Sony Exmor R CMOS back-lit 4K sensor
- Supports NDI
- Dual 6G-SDI ports and HDMI 2.0
- 12x optical zoom with image stabiliser
- Wide dynamic range
- Available in Black or White

Hello Sony 1" Sensor. Meet NDI

P4K is the real deal. A huge 1" Sony Exmor R CMOS back lit Sensor and 14.4 million effective pixels enable P4K to deliver stunning pictures in 4K resolutions with Full Bandwidth NDI. Excellent light sensitivity makes P4K perfect for all broadcast applications, sports, remote studios, newsrooms, house of worship and any shoot where quality matters.

Sony 1" Sensor. Size does matter

The best images come from the best sensors and the P4K is built exclusively around the best sensor in its category. The massive 1" Sony Exmor R CMOS backlit sensor delivers truly stunning pictures in all shoot modes and frame rates whether in HD or 4K.

Full NDI. No compromises

In the world of NDI® there are two flavours, NDI® and NDI|HX. NDI® is a variable bit rate, I-Frame codec that is reaches around 140Mbits at 1080p60 and is visually lossless. NDI|HX is a compressed, long-GOP, H.264 variant that reaches around 12Mbits at 1080p60. **P4K is a Full NDI® camera**.

More than just a production PTZ. Shoot true cinematic styles

P4K is a PTZ designed for the most demanding live production shoots and supports all the traditional frame rates you would expect including 29.97 but now you can use your PTZ as a camera for TVC's, drama, and shoot 24p for that wonderful cinematic look.

Advanced Colour Controls

With user selectable gamma settings and black gamma adjustment, fine tuning your shot has never been more flexible in a PTZ. Sony's legendary sensor technology sets the tone for your next quality production.

Superfine Robotics. Precise control at your fingers

P4K's robotics are super precise and super sensitive. Wind down the panning and tilting speeds to create super professional shots that are dramatic, or crank up the speeds for high action sports to allow you to follow the movements.

360 degree Tally lights

The front, rear, and side Tally lights combine to create a 360 degree Tally light. Now everyone on the production set can see which camera is live to air.

Full NDI. 6G SDI. HDMI 2.0. Life is all about connections

Full NDI. Two independent 6G SDI outputs and one HDMI 2.0 output, all live all the time to create amazingly flexible workflows.

Adaptive bit rate. Slide your way to glory

Full NDI® is a variable bit rate codec. In normal circumstances BirdDog recommends allowing around 140Mbps in HD, or 6 streams per 1GbE cable with some headroom. In 4K it is recommended to allow around 300Mbps or 3 streams with some headroom to allow for any unforeseen spikes.

With BirdDog's tools you can select the bit rate to suit your bandwidth and requirements. In both HD you can slide between 80-180Mbps and in 4K you can select the data rate to be anywhere between 60 and 360Mbps.

PTZ Keyboard. Take control

Combine P400 with the BirdDog PTZ Keyboard and you have total control of all functions remotely. PTZ Keyboard is a full featured PTZ Keyboard that can control up to 255 PTZ cameras on a single network so can scale to even the most complex installations. PTZ Keyboard can control P400 over NDI® or by RS422 / RS232 when using in SDI mode.

Free Software Tools

Central Lite

Team up Central Lite with any NDI® source, including all BirdDog hardware capable of creating NDI® sources, you can now drive your NDI® streams to any BirdDog Studio NDI or Mini to decode NDI® back to SDI or HDMI.

Cam Control

[Cam Control](#) allows easy access to all settings of all the BirdDog cameras on your network. Get the look you want on the full screen output monitor and then copy across multiple cameras to colour match in seconds.

Comms Lite

Comms Lite is your free Audio Intercom solution. With support for four BirdDog devices, plus a director, Comms Lite is a great way to start using Audio Intercom in your live productions.