



## BirdDog Eyes P400

ProdCode: BDP400B

4K NDI PTZ Camera with Professional Level Colour Control - Black



[Download Images] (.zip file)

### Features

- 4K NDI Camera with Professional Level Colour Control
- 4K CMOS Backlit Sensor
- NDI, 6G-SDI and HDMI outputs
- 20x optical zoom
- Available in [Black](#) or [White](#)

## **Stunning 4K NDI® with incredible colour tools**

P400 features stunning 4K resolution NDI and allows chroma subsampling in your choice of 4:2:0 or 4:2:2. It teams up BirdDog's custom NDI® silicon chip, a 4K Sony CMOS Backlit sensor, and a true Sony Image Module. P400 includes professional-level colour tools including Colour Matrix control, Black level, Gamma including 512 pre-set gamma positions.

### **4:2:2 4K Video**

P400 debuts the world's first 4K NDI with chroma subsampling at 4:2:2 which can be decoded natively in hardware by BirdDog's 4K Family of NDI Encoders and Decoders. If decoding with a 4:2:0 receiver the stream will automatically serve 4:2:0 and this is what will be decoded. Think of it as an automatic and virtual handshake.

### **Adaptive bit rate**

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.

### **BirdDog Cam Control**

BirdDog [Cam Control](#) allows full access to the entire colour matrix, black levels, and even the gamma to be able to shade your P400 professionally. Right click to view camera full screen on a secondary monitor to really dial in the look you want and then copy the settings to colour match cameras in seconds.

### **Incredible low light performance**

In low light conditions the camera automatically switches from day to night mode, removing the IR-cut filter to boost sensitivity for clear pictures in near-darkness.

### **Triple output. NDI, 6G-SDI and HDMI**

With NDI®, 6G-SDI, and HDMI simultaneous outputs, the P400 is ready to go live with your full NDI® workflow today or if you are still in an old school SDI workflow you can use as an SDI camera and ease your way into the world of NDI®. Lets you eliminate the need to add frame buffers.

## **Superfine Robotics. Precise control at your fingers**

P400's robotics are precise and 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.

## **20x Optical Zoom**

The 20x optical zoom offers a bright F2.0 aperture with a super smooth and fast zoom. Transition from wide to tele and recall pre-set positions quickly and with super fine precision. The incredible optical zoom function makes P400 perfect for sports such as football, baseball, hockey, ski fields, basketball, soccer, and more.

## **Tally light**

NDI has tally information built into the metadata so when P400 is connected to an NDI enabled switcher the tally light on the front of the unit to ensure your on-air talent will always know which camera is live.

## **PoE or DC Power options**

P400 can be powered by Power over Ethernet (PoE+) for single cable operation that can carry Video, Audio, Power, Tally, and Intercom or you can choose to use the included power adapter.

## **PTZ Keyboard**

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.

