



X4 ULTRA



Capture the Future, Unleash the Power!

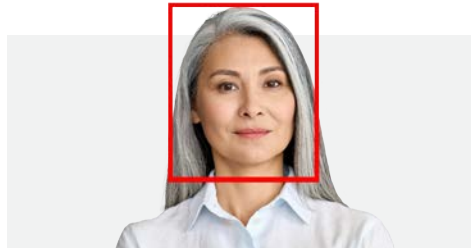
The X4 Ultra is a revolutionary camera designed for modern content creators and broadcasters. It features NDI® HX3 for high-quality, low-latency video streaming, making it ideal for live productions. With Wi-Fi 6 capability, it offers lightning-fast wireless connectivity, while the inbuilt battery provides the freedom to shoot anywhere. The HALO tally system ensures clear, real-time status indication, enhancing on-set communication. The advanced AI controls offer intelligent automation, and the oversize sensor captures more detail, delivering vibrant, crystal-clear images. The optional base station allows seamless connection of up to 4 cameras wirelessly for versatile multi-camera setups. Whether in the studio or on the move, the X4 Ultra is the ultimate tool for capturing stunning visuals and telling your story like never before.



Halo Tally.

A higher order of visual queue.

Professional results need professional tools. The X4 Ultra sports the most visible and effective Tally system available. Surrounding the lens with a large, daylight-visible border, it keeps your talent looking directly at the camera. Your cast and crew will always know where to look, keeping your audience engaged.



AI Tracking.

Built for now and the future.

The X4 Ultra's AI controls are designed to be easy to use, ensuring predictable and consistent performance with every shot. As your needs grow, the AI capabilities expand, adapting to deliver precise, automated control over your PTZ camera movements.



WiFi 6 and Battery.

A match made in heaven.

The X4 Ultra features Wi-Fi 6 for ultra-fast, reliable wireless connectivity, ensuring smooth and stable streaming. Its built-in battery provides up to 4 hours of continuous operation, giving you the freedom to shoot on the go without worrying about power. The X4 Ultra's battery can be quickly recharged via USB, and you can extend its operation time by connecting it to a portable power source for uninterrupted shooting.



Boost your Performance.

The X4 Ultra has an optional Matching WiFi 6 Receiver base station allowing you to pair up to 4 x X4 Ultra PTZ cameras to a single, reliable receiver converting the NDI® | HX3 signal into Ethernet.

*Receiver sold separately.



NDI® | HX3.

Performance meets convenience!

The X4 Ultra delivers superior network performance via our implementation of NDI® | HX3.

Significantly reducing network impact while maintaining superior image quality, meaning it is more friendly in more network environments.

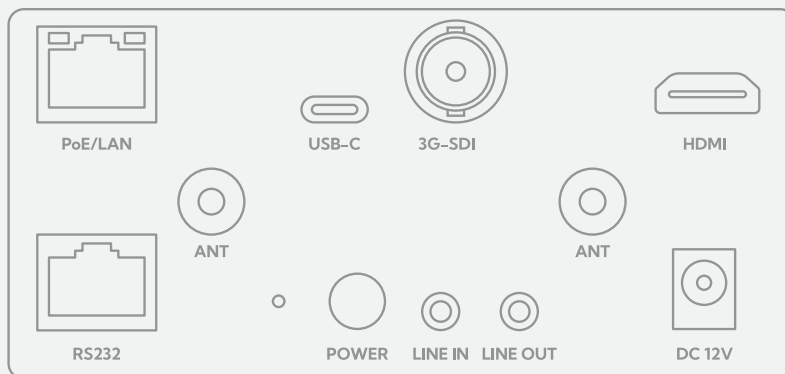
BirdDog's NDI® | HX3 delivers quality and performance you can count on.



E-ink Label. Get Inked.

The always-on e-ink label on the X4 Ultra is a game-changer. From network addresses for easy access to controls to customisable logos* to complement your brand image, this cool feature ensures that your set-up is clear and each camera is easily identifiable even when the power is off.

*Coming soon



X4ULTRA

Feature	X4 Ultra
---------	----------

IMAGING

Image Sensor	Sony 1 / 1.8" CMOS – ULTRA HD
Lens	f= 6.25– 125mm
Optical Zoom	20x
Video Format	2160p @ 60/59.94/50/30/29.97/25fps, 1080p @ 60/59.94/50/30/29.97/25fps, 1080i @ 59.94/50fps 720p @ 60/59.94
Horizontal angle of view	60° (W) – 3.5°(T)
Vertical angle of view	35° (W) – 2.0°(T)
Diagonal angle of view	66.6°(W) – 4.0°(T)
Aperture	F1.58 (W) ~ 3.95 (T)
Focus	Auto, Manual
Exposure	Auto, Shutter Priority, Iris Priority, Manual
Shutter Speed	1/1 – 1/10000s
Backlight Compensation	YES
Digital Noise Reduction	3D Noise Reduction
SNR	≥45dB
Effective Pixels	8.42 MP
AI Tracking	Presenter tracking, Zone

MECHANICAL

Pan/Tilt Rotation	±170°, -30° ~ +90°
Pan Control Speed	1.7–80°/sec
Tilt Control Speed	1.7–60°/sec
Preset Number	255 Presets
Integrated Tally Light	HALO tally and rear number tally system
Display	e-Ink 2.13" with customization logo

Feature	X4 Ultra
---------	----------

I/O INTERFACE

Video Output Interfaces	3G-SDI, HDMI, USB-C UVC, Network
Analogue Audio	3.5mm TRS Line input/Mic Input
Network Interfaces	1Gbps adaptive Ethernet port; PoE IEEE 802.3at, WiFi 6 2x2 MIMO (Optional Base station)
Encoder Network Protocols	NDI® HX2, NDI® HX3, RTSP, RTMP, SRT
Control Interfaces	1Gbps Ethernet, USB-C, RS-232
Control Protocols	VISCA Baud Rate: 38400/9600/4800/2400, VISCA-IP, NDI®, ONVIF

GENERAL PARAMETER

Environmental Operation	Internal
Input Voltage	DC12v, PoE IEEE 802.3at
Input Current	5.0A (Max)
Battery Capacity	9450mAh
Battery Operating Time (Per charge)	~4h (usage dependent)
Working Temperature	0°C ~ +40°C
Working Humidity	20% ~ 80%
Dimension (W*H*D) mm	140.2*188.9*203.2mm/ 295*245*254mm (before / after packing)
Dimension (W*H*D) in	5.5*7.43*8.0in/ 11.6*9.6*10.0in (before / after packing)
Net and Gross Weight	2.19kg (Net Weight)