



BirdDog O4

ProdCode: BDO4W

Outdoor 4K PTZ Camera with IP66 weatherproofing, 30× optical zoom (60× in HD) and 500 m infrared night vision - White



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Features

- Outdoor 4K PTZ Camera with IP66 weatherproofing, 30× optical zoom (60× in HD) and 500 m infrared night vision
- IP66 weatherproof housing with -40°C to $+60^{\circ}\text{C}$ operating range and built-in heater
- Hydrophobic, smudge-resistant front glass for clear optics without wipers
- 30× optical zoom (60× in HD) for long-range framing
- 500 m infrared laser night vision with automatic B/W mode and IR cut filters
- 1/1.8" CMOS sensor capturing 4K60 with wide dynamic range
- Simultaneous Full NDI® and NDI® HX3 streaming
- Dual streaming options: deliver NDI plus SRT/RTMP/RTSP concurrently
- 12G-SDI, HDMI, and SFP+ (fiber) for IP, hybrid, and baseband installs
- Sealed undercarriage cabling with three weatherproof flanges and strain relief; PoE++ or DC power
- Adjustable AI autotracking (fast for sports, smooth for events) via BirdUI

BirdDog O4 is a professional outdoor PTZ camera engineered to perform where others fail. Its die-cast, IP66-rated chassis operates from -40°C to $+60^{\circ}\text{C}$, with a built-in heater to prevent condensation and hydrophobic, smudge-resistant lens coatings that keep the optics clear—no wipers required. The result is dependable, year-round operation in rain, dust, snow, or heat.

Image quality matches the toughness. A $1/1.8''$ sensor captures 4K60 with accurate color, flexible gamma, exposure, and WDR controls. A 30× optical zoom (up to 60× in HD) brings distant action close, while a 500 m IR laser and automatic black-and-white night mode deliver true visibility when light disappears.

O4 is designed for clean installs. All connections are tucked inside a sealed undercarriage with built-in strain relief and three weatherproof flanges; power via PoE++ for single-cable simplicity or use external DC. Connectivity is uncompromised: 12G-SDI, HDMI, and SFP+ fiber cover production and infrastructure needs, while the streaming stack lets you run Full NDI® and NDI® HX3 at the same time and output NDI alongside SRT, RTMP, or RTSP for parallel deliverables.

An advanced AI tracking engine provides adjustable motion profiles—from fast and responsive for sports to smooth and graceful for events and worship—so subjects stay framed naturally. O4 fits seamlessly into the BirdDog ecosystem with BirdUI, Central, Connect, and Keyboard (KBD), and it is NDI 6.2-ready for future upgrades.

From stadiums and smart-city installs to perimeter monitoring, outdoor worship, and large-scale events, O4 combines all-weather durability with broadcast-grade vision and installer-friendly design. It's outdoor production—redefined.

