



BirdDog | A300 • GEN 2

Weatherproof Full NDI® PTZ.

Designed for fixed outdoor installations such as sports, the IP67 rating and the Wind Load Durability rating equal to that of a category 4 Hurricane, which means A300 can withstand pretty much any weather conditions. By teaming up BirdDog's custom NDI® silicon chip, a Sony CMOS backlit sensor, and a true Sony Image module A300 has lightning auto focus, incredibly sharp images, and insanely fast zoom. A300 has frame rates up to 1080p60, 30x optical zoom, and outputs SDI and Full NDI® simultaneously.

Full NDI®.

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

Eyes A300 hardware only Encodes and Decodes Full YUV422 NDI®.

NDI® & SDI.

With NDI® & SDI simultaneous outputs the A300 is ready to go live with full NDI® today or can be used as a traditional SDI camera.

Sony Sensor.

The best pictures come from the best silicon. A300 teams up a world class Sony CMOS Backlit Sensor with the BirdDog custom NDI® chip to form a match made in silicon heaven. Your productions deserve the best.

Sony Image Module.

Lightning auto focus. Insanely fast zoom. Precision optics. The only way to achieve the best picture quality is with image module made by the world's best.

A300 uses a true Sony image module to give unparalleled performance, picture quality, and responsiveness.

All weather.

With an IP67 rating, external housing corrosion resistance treatment against salt spray, and an -40°C to +60°C operating temperature rating, A300 has been designed to withstand the most extreme elements on earth. It can even work through a category 4 hurricane.

30x Optical zoom.

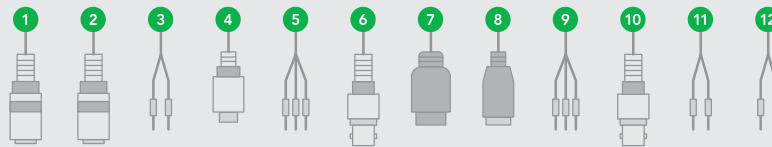
30x optical zoom makes A300 perfect for outdoor and indoor fixed installations for sports.

Nitrogen Filled Housing.

Nitrogen filled housing eliminates fog.



BOLiN



1. Audio Input • 2. Audio Output • 3. RS422 Connector (Combine with 11) • 4. Upgrade Interface • 5. Alarm Input
 6. BNC Connector: 3G-SDI video output • 7. RJ45 Ethernet Port • 8. AUX DC12V Output • 9. AC Power Connector
 10. BNC Connector: Analog video output • 11. RS485/RS422 Connector (Combine with 3) • 12. Alarm Output

Product Specifications

Camera

Image Sensor: 1/2.8" CMOS 2.13MP
 Lens: 4.3 - 129mm
 Optical Zoom: 30x
 Digital Zoom: 12x
 Horizontal Angle of View:
 63.7° (W) – 2.3° (T)
 Aperture: F1.6 (W) – F4.7 (T)
 Min. Illumination: Color: 0.01 lux (F1.6, AGC on, 1/30s, High sensitive mode), 0.1 lux (F1.6, AGC on, 1/30s, Normal sensitive mode)
 Shutter Speed: 1/1 – 1/10000s
 Focus: Auto, Push, Manual
 White Balance: Auto, Indoor, Outdoor, Manual, OPW, ATW
 Exposure: Auto, Manual, Shutter/Iris Priority
 Backlight Compensation: YES

Mechanical

Pan Movement: Horizontal: 360° continuous pan (Zoom Adaptive Speed Range: 0.01° to 80°/s)
 Tilt Movement: Vertical: +90° to -30° (Zoom Adaptive Speed Range: 0.1° to 90°/s)
 Preset Positions: 255
 (Speed adjustable: Up to 150°/s)
 Environmental: Outdoor/Indoor, IP67, corrosion resistant treated housing, wind load durability 60m/s, Nitrogen filled housing
 Illumination: IR Laser, up to 500m
 Operating Temperature: -40 – +60 (°C)
 Operating Humidity: ≤80%
 Infrared: Adaptive infrared, illumination up to 100m
Video Interface
 Video Output: NDI/SDI
 Video Formats: 1080p 60, 59.94, 50, 29.97, 25
 1080i 60, 59.94, 50 • 720p 60, 59.94, 50
 Audio I/O: 3.5mm Audio In (Stereo)
 3.5mm Audio Out (Stereo)

Control Interface

IP PTZ Control: NDI Control (auto config.), VISCA IP
 Serial PTZ Control: RS422/RS485 connector
 Serial Control Protocol: VISCA / PELCO D
Power & Dimensions
 Power Input: AC 24V, PoE 97W (BirdDog PoE 97W Injector, optional)
 Power Consumption: Min: 36W; Max: 76.68W (Fully loaded operation with heater and IR Laser on)
 Dimensions: 180x180x423mm
 Weight: 10.2Kg
Network
 Video Compression: Full NDI – i-frame high quality low latency NDI for production
 Network Protocol: NDI – Discovery, configuration and control
 Web Control interface: Full control via Web/Mobile UI includes Scene Presets