

Aura Aware 360: The Complete Context Camera

The ultimate tool for comprehensive site scanning, reality capture, and documentation. The Aura Aware 360 provides a seamless, uninterrupted spherical view of your environment, powered by our proprietary Aura Clarity Engine to reveal critical details in every frame. It is the new standard for capturing the complete picture from above.

Category	Specification
360° Vision System	Cameras: 2x 12MP CMOS Sensors Stitched Output: Real-time 4K Spherical Video (3840x1920 @ 30fps)
Image Processing	Proprietary Engine: Aura Clarity Engine (Real-time Adaptive Contrast Enhancement) Onboard Processor: High-Performance Embedded AI Processor
AI Capabilities	Real-time Onboard Object Detection (Persons, Vehicles)
Stabilization	System: Advanced Electronic Stabilization Function: Provides a smooth and level 360° view by digitally compensating for aircraft movement.
Integration	Primary Mounts: DJI Payload SDK, MAVLink Video Output: Low-Latency H.264/H.265 Stream via RTSP
Physical	Target Weight: ~550g (1.21 lbs) Housing: Lightweight, High-Strength Composite
Environmental	Ingress Protection: IP54 Rated (Dust & Water Resistant) Operational Temperature: -10°C to 45°C (14°F to 113°F)
Platform Compatibility	Professional Fixed-Wing & Multi-Rotor Drones

Aura ISR-360 Pro: The Definitive ISR Payload

The definitive multi-sensor payload for mission-critical Intelligence, Surveillance, and Reconnaissance (ISR). The Aura ISR-360 Pro fuses a high-resolution 4K 360° overwatch system with a high-performance 3-axis gimbal housing a 640x512 thermal core and an extreme long-range optical zoom camera. It is the ultimate tool for turning complex environments into actionable, high-fidelity intelligence.

Category	Specification
360° Vision System	Cameras: 2x 12MP CMOS Sensors (Fixed Position) Stitched Output: Real-time 4K Spherical Video (3840x1920 @ 30fps)
Forward Sensor Suite	Housing: Integrated Thermal & Zoom cameras in a single articulated payload.
	Thermal Imaging: 640x512 Uncooled VOx Microbolometer, 12µm Pixel Pitch Zoom Imaging: 4K UHD CMOS Sensor, 25x Optical Zoom
Stabilization & Articulation	System: High-Performance 3-Axis Brushless Gimbal Function: Stabilizes and directs the Forward Sensor Suite. Range of Motion: Continuous 360° Pan, +30° to -90° Tilt.
Onboard Processing	Processor: High-Performance Embedded AI Processor (e.g., NVIDIA Jetson Series)
AI Capabilities	Real-time Multi-Object Detection, Gimbal-driven "Slew-to-Cue" Tracking, and Fused Thermal/Visual Display
Integration	Primary Mounts: DJI Payload SDK, MAVLink Video Output: Low-Latency 4K H.264/H.265 Stream via RTSP
Physical	Target Weight: ~850g (1.87 lbs) Housing: CNC-Milled 6061 Aluminum Alloy
Environmental	Ingress Protection: IP54 Rated (Dust & Water Resistant) Operational Temperature: -20°C to 50°C (-4°F to 122°F)
Platform Compatibility	Professional Fixed-Wing Drones & Light Manned Aircraft (with certified mount)