

Alpha Optics AO-2511/2521

Digital Night Vision Binoculars by Alpha Optics



The Alpha Optics AO-2511/2521 digital night vision binoculars with optical 10x and 15x magnification are designed for law enforcement and security use, bird watching, camping, hunting, nature observation, or water sports. Sensitive to both near-infrared and visible light, the high-performance CCD imaging system of the Alpha Optics AO-2511/2521 provides round-the-clock service.

Both versions are equipped with high-resolution sensors that deliver brilliant displays under all conditions and a standard NTSC/PAL video input/ output function that makes it possible to connect to an external video monitor, or to record images for field documentation or training purposes. The Alpha Optics AO-2511/2521 digital night vision binoculars use the same multi-pin connector to connect the optional digital video recorder and external power access.

Standard accessories: Soft carrying case, lens cleaning tissue, video cable, lens cap, eyecup (2), battery cassette (2), CR123A battery (2), advanced wireless remote control with picatinny adapter, detachable long-range IR illuminator, platform ring, color (daytime) filter

Optional accessories: Lens swabs, lens cleaning kit, hard storage case

Features:

- High-performance CCD camera
- Rugged design
- Detachable wide-angle adjustable long-range illuminator
- Wireless remote control
- Analog video input (NTSC/PAL) and output (PAL)
- Digital video recorder with SD card (optional)

Specifications:

SPECIFICATION	AO - 2511	AO - 2521
Magnification	10 x	15 x
CCD Camera	High-Rate High-Resolution Near-IR Hypersensitive CCD Camera	
Lens System	108 mm, F/1.54	145 mm, F/1.8
Field of View (horizontal x vertical)	2.6° x 2.0°	2.0° x 1.5°
Exit Pupil Diameter	14 mm	
Focusing Range	10m to infinity	25m to infinity
CCD Array Spectral Response	0.4 to 1.1 μ m	
Pixel CCD Array Format	976x582	
Display	CyberDisplay® SVGA LSC (800x600)	QUAD VGA 1280x960
Display Brightness	Discretely Adjustable to 8 Levels	
Turn-on Time, max	3 sec	
Analog Input Format	PAL / NTSC	
Analog Output Format (resolution)	PAL (768 x 574) pixels	
Video Recording	Optional digital video recorder with SD card slot	
Remote Control	Wireless	
Battery Type	Two CR123 Lithium 3V batteries or C123 rechargeable 3.0V-3.7V	
External Power Supply	Optional extended battery pack with rechargeable batteries (up to 7 hours) or 6 VDC/ 600mA external power source	
Battery Life at 20°C	Up to 3 hours (up to 10 hrs with optional battery pack)	
Operating Temperature	from -51°C to +50°C	
Storage Temperature	from -50°C to +70°C	
Tripod	YES	
Dimensions	316 x 100 x 76 mm	344 x 102 x 91 mm
Weight (w/mount, w/o batteries)	1.04 kg	1.25 kg

**Specifications are subject to change without notice.
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