SKUA NEO 80

Advanced Long-Range Thermal Binocular









Built for the demands of modern operations, the SKUA NEO 80 integrates advanced thermal imaging with long-range detection capabilities, delivering exceptional situational awareness across diverse operational environments.



640 × 480 VOx Sensor	Laser Range Finder up to 3 km, Eye Safe Class 1M	4.5× Optical Magnification
Live Streaming via Shibli App	>6 Hours Operating Time	MIL-STD-810G Rugged & Reliable Design
32 GB Internal Storage	USB Connectivity	UNC 1/4" Tripod Mount

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TECHNICAL SPECIFICATIONS

SKUA NEO 80



THERMAL IR SENSOR	
Sensor type	Vox
Resolution	640 x 480
Pixel Pitch	12µm
Frame Rate	50 Hz
IR OPTICS	
Focal Length	Fixed 80 mm
F-Number	F/1.2
Focus	Motorized
Optical Magnification	4.5x
Digital Zoom	1x , 2x , 4x
Horizontal FOV	5.5° ± 5%
Vertical FOV	4.1° ± 5%
FEATURES	
Laser Range Finder	Up to 3 km, Eye Safe Class 1M
Internal Storage	32 GB
Wi-Fi Hotspot	Live Streaming via Shibli App
INTERFACES	
Video Output	Analog NTSC RS170
Communication	USB
Tripod Mount	UNC 1/4" Interface
GENERAL	
Weight (with battery pack)	1033g
Dimensions (without Eyeshield)	150 x 134 x 76mm
Dimensions (with Eyeshield)	214 x 137 x 77mm
Battery Type	Rechargeable
Operating Time	6 Hours
External Power	USB-C
ENVIRONMENTAL	
Sealing	MIL-STD-810G
Operating Temperature	−35°C to +55°C
Storage Temperature	−40°C to +60°C
Shock & Vibration	MIL-STD-810G





Target	Detection	Recognition	Identification
Human (ΔT = 2K, 1.8 × 0.5 m)	2 km	1,0 km	0.7 km
Vehicle (ΔT = 2K, 2.3 × 2.3 m)	4 km	2.2 km	1.1 km

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SKUA NEO 50

Advanced Medium-Range Thermal Binocular









Built for the demands of modern operations, SKUA NEO 50 combines advanced thermal imaging technology with long-range detection capability to provide unmatched battlefield awareness.





640 × 480 VOx Sensor	Laser Range Finder up to 3 km, Eye Safe Class 1M	2.8× Optical Magnification
Live Streaming via Shibli App	>6 Hours Operating Time	MIL-STD-810G Rugged & Reliable Design
32 GB Internal Storage	USB Connectivity	UNC 1/4" Tripod Mount

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TECHNICAL SPECIFICATIONS

SKUA NEO 50

THERMAL IR SENSOR	
Sensor type	Vox
Resolution	640 x 480
Pixel Pitch	12µm
Frame Rate	50 Hz
IR OPTICS	
Focal Length	Fixed 50 mm
F-Number	F/1.11
Focus	Motorized
Optical Magnification	2.8x
Digital Zoom	1x , 2x , 4x
Horizontal FOV	8.8° ± 5%
Vertical FOV	6.6° ± 5%
FEATURES	
Laser Range Finder	Up to 3 km, Eye Safe Class 1M
Internal Storage	32 GB
Wi-Fi Hotspot	Live Streaming via Shibli App
INTERFACES	
Video Output	Analog NTSC RS170
Communication	USB
Tripod Mount	UNC 1/4" Interface
GENERAL	
Weight (with battery pack)	965 g
Dimensions (without Eyeshield)	128 x 134 x 76mm
Dimensions (with Eyeshield)	294 x 137 x 77mm
Battery Type	Rechargeable
Operating Time	>6 Hours
External Power	USB-C
ENVIRONMENTAL	
Sealing	MIL-STD-810G
Operating Temperature	−35°C to +55°C
Storage Temperature	−40°C to +60°C
Shock & Vibration	MIL-STD-810G



Target	Detection	Recognition	Identification
Human (ΔT = 2K, 1.8 × 0.5 m)	1.5 km	0.7 km	0.35 km
Vehicle (ΔT = 2K, 2.3 × 2.3 m)	2.6 km	1.2 km	0.5 km

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