



70mm F2.0 Lens with
5x Magnification



1200m
Integrated LRF



Real 12MP
4K Ultra Sensor



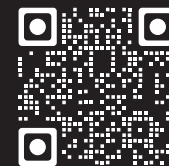
0.3 MOA/click
Zeroing System



0.72" AMOLED Display with
1920 x 1200 Resolution



Built-in and
Replaceable 18650 Battery



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NITE DAY & NIGHT DIGITAL SCOPE

12-Megapixel Clarity. Long-Range Confidence.



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D70R



1200m Integrated LRF + BC Ballistic Calculation for Improved Long-Range Shooting Accuracy

The NITE D70R features a high-precision LRF with a range of up to 1200 m and accuracy of less than 1 m; its integrated design improves optical axis consistency and reduces parallax-related aiming errors, while built-in BC ballistic calculation supports multiple calibers and delivers more precise holdover and correction references.

1200m
LRF

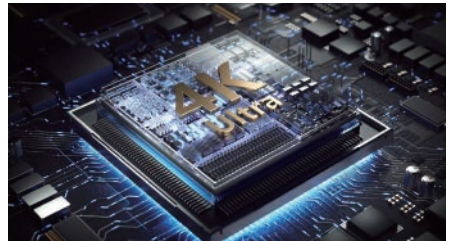
70mm F2.0 Telephoto Lens for Superior Long-Range Clarity

Featuring a 70mm F2.0 telephoto lens, NITE D70R offers stronger long-range magnification and enhanced detail capture for distant targets. With 5x magnification, it reproduces target outlines and key details more effectively during long-distance observation. Daytime detection range of up to 1500 m (TBD) helps improve long-range target acquisition and identification efficiency.



Real 12MP 4K Ultra for True-to-Life, Ultra-Detailed Full-Color Imaging

Powered by a Real 12MP 4K Ultra full-color digital imaging system, it combines enhanced image resolution and richer detail with a large 1/1.6-inch sensor that boosts light intake by 10% and a 3536 x 3536, 12 MP sensor format delivering 50% more pixels than conventional 4K solutions for sharper, finer, and more detailed imaging, even in low-light environments.



12MP@60Hz High-Frame-Rate Imaging for Smoother Dynamic Observation

Delivering a 60 Hz refresh rate at 12 MP resolution, the system combines ultra-high image detail with smooth visual performance, while an industry-leading SoC keeps fast-moving targets clear and stable and effectively reduces motion blur and stutter during dynamic tracking to maintain image continuity and target visibility.



High-Precision Zeroing System for Lasting Stability and Reliability

Equipped with a 0.3 MOA/click zeroing system, a unibody high-strength aluminum alloy construction for superior structural integrity in harsh outdoor conditions, and proven durability through 20,000 cycles of 6,000 J high-impact testing, NITE D70R ensures reliable zero retention and long-term resistance to zero shift.

High-Definition Night Imaging

Equipped with dual-band 850 nm / 940 nm IR illuminators, the system supports night illumination and observation at distances of up to 200 m, while multi-coated optics and a starlight-grade sensor work together to deliver outstanding low-light imaging performance with minimum illumination down to 0.001 lux.



Ultra-Clear Imaging, Natural and Comfortable Viewing

With a 0.72-inch 1920 x 1200 HD display and 12 MP sensor, it preserves more image detail and delivers a more natural viewing experience, while the 10 mm exit pupil provides greater comfort during extended observation.



Classic Day Scope Design, Familiar Viewing Experience

Designed with the traditional profile of a day scope and a circular viewing window, it delivers a more natural and familiar viewing experience, while the integrated inlaid rangefinder design combines modern functionality with a classic form favored by hunters.



Continuous Zoom for Stable Viewing and Precise Aiming

Supporting 5-40x continuous zoom, it adapts to a wide range of scenarios from close-range scanning to long-range precision observation, while delivering up to 15x lossless magnification at higher zoom levels to preserve image quality and fine detail.



Model		NITE D70R
Detector Specifications	Detector resolution	3536x3536
	Pixel size	2μm
	Frame rate, Hz	60
Optical Specifications	Objective lens, mm	70 F2.0
	Field of view (HxV), °/m@100m	5.8x5.8/10.1x10.1
	Magnification, x	5~40
	Eye relief, mm	48
	Exit pupil diameter, mm	10
Display Specifications	Diopter, D	-5~+5
	Type	AMOLED
	Resolution	1920x1200
Battery	Battery type	Built-in 4000mAh & 18650 Battery
	Max. operating time, h (t=22 C)	7
Physical Specifications	Safety class for laser	Class 1
	Max. rangefinder distance, m	1200
	MIC	Support
	Memory capacity, GB	64
	IP rating	IP67
	Operating temperature, °C	-20~ +50
	Weight, g (without battery)	≤1110
	Dimension, mm	≤405x95x80