

# DN Series

Handheld Digital  
Binoculars

4K UHD imaging, day and night servicing



## Introduction

Experience 4K ultra-high-definition visuals with the DN Series. Its 3840x2160@2μm moonlight low-light CMOS sensor and 1920x1080 AMOLED display create stunning images day and night. In the case of sufficient light, the 4K low-light detector has a strong color rendition ability, presenting more delicate and colorful images; and in the morning, dusk, and night when there is insufficient light, turn on the infrared fill light, and you can “see through” the dark night from a long distance to observe, identify, and monitor hidden targets ahead.

## Features and Benefits

- 4K UHD Clarity: 3840x2160@2μm CMOS sensor + 1920x1080 AMOLED display.
- Day/Night Versatility: Day/Low-light/Night image modes, HD full-color display anytime.
- Effortless Evidence Collection: Easily capture photos and record videos with one click.
- Laser Range: Pinpoint target locations with accuracy, up to 600m or 1000m.
- WIFI: The connected app via WIFI for remote control, live image and video transmission.
- OTA Upgrade: Support device firmware updates by connecting TargetIR APP.
- Ergonomic Design: Binocular design with adjustable 60mm-70mm pupil distance.
- Extended Endurance: Enjoy up to 6 hours of continuous outdoor use.

## Applications

- Outdoor observing
- Law Enforcement
- Night Hunting
- Search and rescue



## Specifications

Product model	DN30
<b>Sensor</b>	
Sensor type	CMOS
Resolution	3840×2160@2μm
Minimum illuminance	0.001 lux
Frame rate	50Hz
<b>Lens</b>	
Focal length	35mm F1
Field of view	12.57°×7.12°
Optical zoom	1.96x
Digital zoom	1x to 8x
Focus	Manual
<b>Display</b>	
Display type	0.39" AMOLED×2
Resolution	1920×1080@4.5μm, FHD
Eyepiece	Binoculars, 20 mm ≥ exit pupil distance ≥ 15 mm, diopter adjustment: -4 to +2
Video output	Digital video
<b>Power</b>	
Battery type	2 replaceable 18650 batteries
Battery life	6 hours
<b>Interface</b>	
USB	USB Type-C
Video interface	micro HDMI
Mechanical interface	UNC ¼"-20 (Tripod mounting, L-bracket is required), Mechanical expansion interface
<b>Functions</b>	
Recording function	Photo/Video
WIFI	Transmission of real-time video via WIFI for remote control in the 2.4G frequency band and within 15 meters
Scene modes	Day, Night and Low-light Modes
IR illuminator	940 nm
Laser	Laser rangefinder (up to 600m or 1000m)
Other	GPS, Compass, Gyroscope, Bluetooth
<b>System</b>	
Language settings	English, Russian, German, French
Memory capacity	32 GB
<b>Environmental</b>	
Operating temperature range	-30°C to 50°C
Storage temperature range	-40°C to 60°C
Humidity	10 % to 95 % non-condensing
Encapsulation	IP67
Certification	CE, FCC, EAC, RoHS
<b>Detection range</b>	
Detection range	600m
<b>Physical</b>	
Weight	≤940 g (without eye mask and battery)
Size	≤162×146×70 mm (without eye mask)
Standard	Device, lens cap, shoulder strap, 2 detachable eye masks, carry bag, 5V2A adapter ( US, Britain, Australia and Europe), 2 replaceable 18650 batteries, Battery charger, USB Type-C cable, micro HDMI cable, quick start guide
Optional	Bluetooth remote control, Extended bracket