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Guide sensmart DN Series Handheld Digital Binoculars User Guide

Contents

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USER MANUAL

Introduction

Experience 4K ultra-high-definition visuals with the DN Series. Its 3840×2160@2μm moonlight low-light CMOS sensor and 1920×1080 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

- **4K UHD Clarity:** 3840×2160@2µm CMOS sensor + 1920×1080 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 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 dis

Applications

- Night Hunting
- Law Enforcement
- Search & Rescue
- Personal security

Specifications

Product model	DN30
Sensor	
Type	CMOS
Resolution	3840×2160@2μm
Frame rate	50Hz
Lens	
Objective lens	35mm, F1.0
Field of view	12.57°×7.12°
FOV m @100m	22×12
Magnification	1.96x~15.68x
Detection range	600m/ 650yd
Display	
Display type	0.39" AMOLED 1920x1080
Scene modes	Day, Night, Low-light
Eyepiece	Exit pupil distance 16 mm; Diopter: -4 to+2; Interpupillary distance adjustment: 60mm to 70mm; Zoom: 13.8x
Hardware	
Laser rangefinder	1000m/ 1090yd
IR illuminator	940 nm
WIFI	2.4G
Interface	USB Type-C
Others	GPS, Compass, Gyroscope, Bluetooth
System	
Recording function	Photo/Video
Memory capacity	32GB
Power	
Battery type	2 replaceable 18650 batteries
Operating time	6 hours
Environmental	
Operating temp.	-30 °C to 50 °C/ -22°F to +122°F
Encapsulation	IP66
Physical	
Weight(g/ oz)	940/ 33.16
Size(mm/ in)	162×146×70/ 6.38×5.75×2.76
Standard	Device, lens cap, 2 detachable eye masks, carry bag, shoulder strap, 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

* Product performance is based on testing in a controlled environment. All specifications are subject to the actual product. Guide sensmart reserves the right to change the technical specifications without notice or liability to you.

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Specifications

- **Product model:** DN30
- **Sensor Type:** 50Hz
- **Resolution:** 0.39" AMOLED 1920×1080
- **Frame rate:** Standard
- **Lens:** Day, Night, Low-light
- **Objective lens:** Exit pupil distance 16 mm
- **Field of view:** FOV m @100m
- **Magnification:** Zoom: 13.8x
- **Detection range:** 1000m/ 1090yd
- **Display:** 0.39" AMOLED
- **Display type:** Scene modes
- **Eyepiece:** Interpupillary distance adjustment: 60mm to 70mm
- **Hardware:** GPS, Compass, Gyroscope, Bluetooth
- **Laser rangefinder:** 940 nm
- **IR illuminator:** 2.4G
- **WIFI Interface:** USB Type-C
- **Others:** Photo/Video, Recording function, Memory capacity: 32GB
- **Power:** 2 replaceable 18650 batteries
- **Battery type:** 6 hours
- **Environmental:** Operating temp.
- **Encapsulation:**
- **Physical:** Weight(g/ oz), Size(mm/ in)

Product Usage Instructions

1. Power On/Off:

To power on the DN Series Handheld Digital Binoculars, press and hold the power button for a few seconds. To power off, repeat the same process.

2. Adjusting Settings:

You can adjust various settings such as display brightness, scene modes, and zoom levels using the menu buttons on the device.

3. Using the Laser Rangefinder:

To use the laser rangefinder feature, aim at your target and press the designated button to measure the distance accurately.

4. Capturing Media:

The DN30 allows you to capture both photos and videos. Switch between modes using the dedicated buttons and press the capture button to record your desired media.

5. Connectivity Options:

You can connect the binoculars to other devices or networks using the provided USB Type-C port or WIFI interface for data transfer or live streaming.

6. Environmental Considerations:

Ensure to operate the binoculars within the specified temperature range for optimal performance and longevity.

Frequently Asked Questions (FAQ)

Q: How do I change the batteries on DN30 binoculars?

A: To change the batteries, open the battery compartment cover located on the device, remove the old batteries, and insert new ones in the correct orientation.

Q: Can I use the binoculars for night hunting?

A: Yes, the DN30 binoculars are suitable for night hunting with their day and night servicing capabilities.

Q: How do I adjust the focus on the binoculars?

A: You can adjust the focus by rotating the diopter adjustment ring until the image appears sharp and clear.

Documents / Resources

Guide sensmart DN Series Handheld Digital Binoculars [pdf] User Guide
DN Series Handheld Digital Binoculars, DN Series, Handheld Digital Binoculars, Digital Binoculars, Binoculars

References

- ⊙ **The domain name Infrared.com is for sale. Buy it now!**
- Ɠ **Guide Sensmart-Thermal Imaging Camera Manufacturer | Guide Sensmart**
- **User Manual**