DR Series Digital Day & Night Vision Scope
Full-Screen Vision, See Beyond the Dark

Guide

THERMAL SCOPE

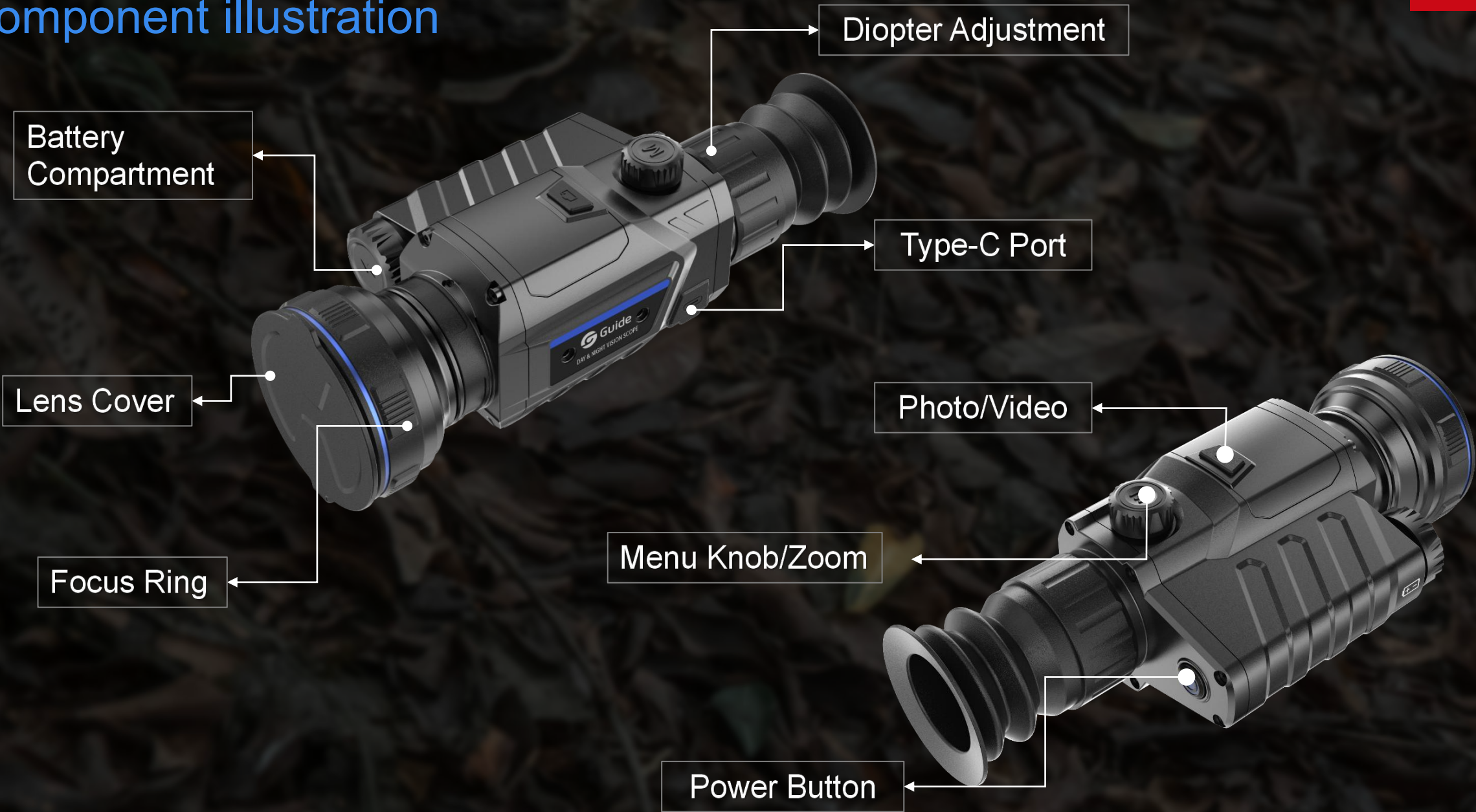OLED   6hrs   OTA

CONTENT

DR Series
Digital Day & Night Vision Scope

The DR Series is a powerful and professional day and night vision scope with outstanding night vision capability, featuring an excellent 1920×1080@4μm CMOS sensor with a 35mm lens to create a large field of view of 12.5°×7.06°, while the 1920×1080 full HD OLED display ensures your viewing experience. The 18650 Li-ion battery lasts up to 6 hours max depending on usage, ever worry about insufficient power during a hunting trip. Elevate your vision with the DR Series!

Component illustration

Diopter Adjustment

Battery Compartment

Type-C Port

Lens Cover

Photo/Video

Focus Ring

Menu Knob/Zoom

Power Button

CONTENT

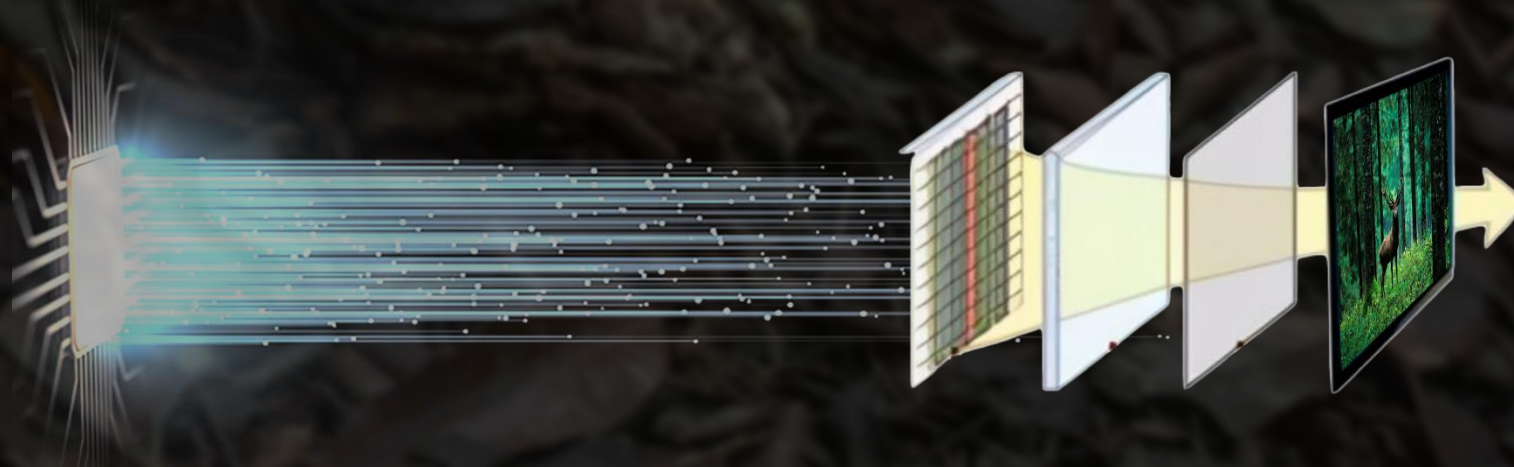# Ultra-wide field of view, True full screen

Ultra-wide field of view experience.

◀ # The perfect combination of the detector and the screen.

Lossless transmission, what is detected is what is obtained.

CMOS Sensor

1920×1080

The moonlight-grade ultra-low illumination CMOS sensor can still capture clear full-color images under low lighting conditions (0.001 lux).

OLED Display

1920×1080

OLED displays have advantages such as higher contrast, wider color gamut, and faster response speed, enabling them to present more realistic and delicate images.

Visual effect comparison

Other brand A

Sensor: 1920×1080

OLED : 1024×768

Focal length : 50mm

FOV: 6.4°×3.6°

Other brand B

Sensor:1920×1080

OLED :1280×960

Focal length : 35mm

FOV: 8.4°×6.3°

Guide DR30

Sensor:1920×1080

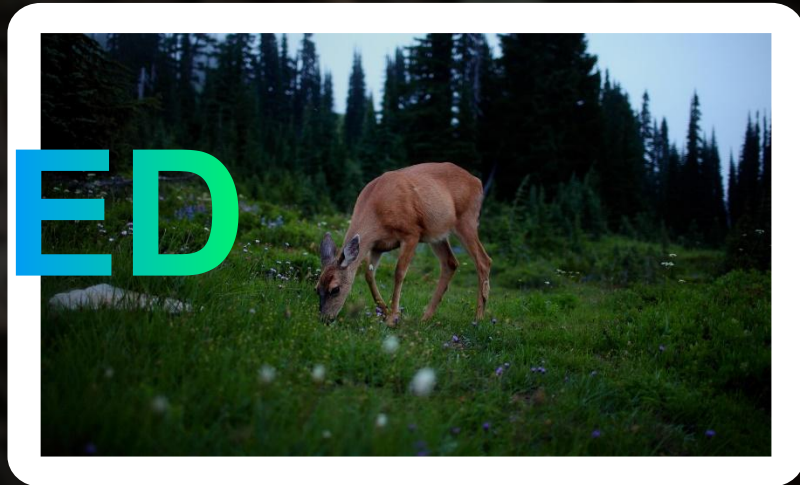OLED :1920×1080

Focal length : 35mm

FOV: 12.5°×7.06°

Screen recording

FULL HD

OLED

→

VIDEO

00:00:00

A 50m

0.39-inch OLED display provides with excellent viewing experience

Screen recording to record the whole operation process for sharing

Image algorithm upgrade

Clear Nignttime Imaging

Upgraded algorithms balance the image brightness on the display when using the scope with an IR illuminator. Additionally, they eliminate flood exposure from foreground objects and increase the brightness of distant objects to a comfortable level, thus offering exceptional crisp images with less noise, ensuring a professional nighttime outdoor experience.

Other brand A   DR   Other brand A   DR
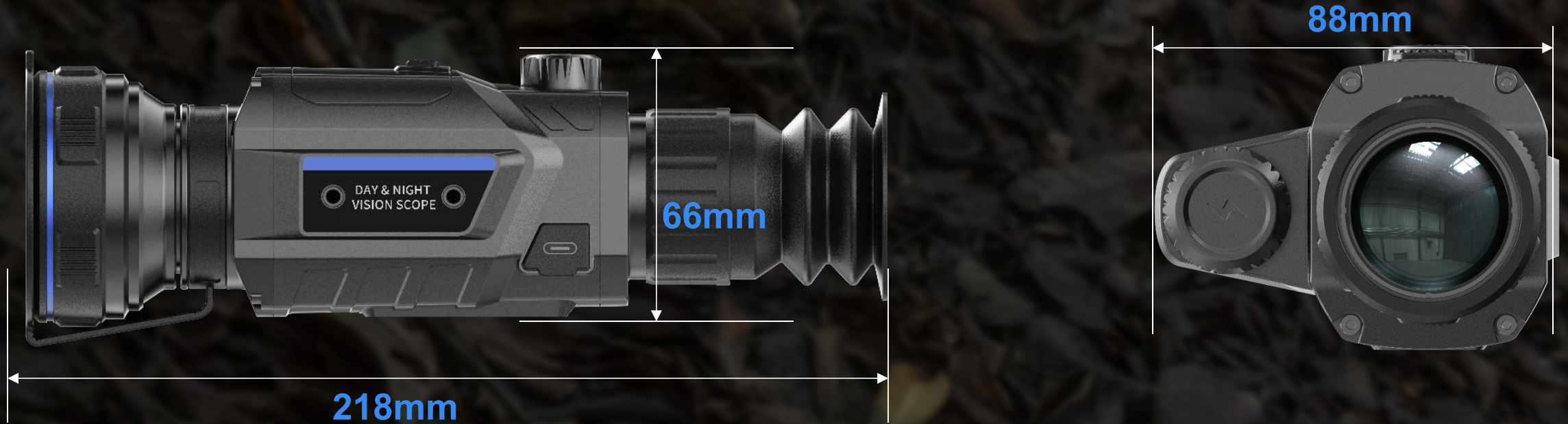
Time：2023.05.10 10:00
Lighting environment：30000 LUX

Time：2023.05.10 20:00
Lighting environment：1 LUX

Compact and Portable

DR30

88mm

66mm

218mm

DAY & NIGHT
VISION SCOPE

Weight: 565g

Safe and Durable

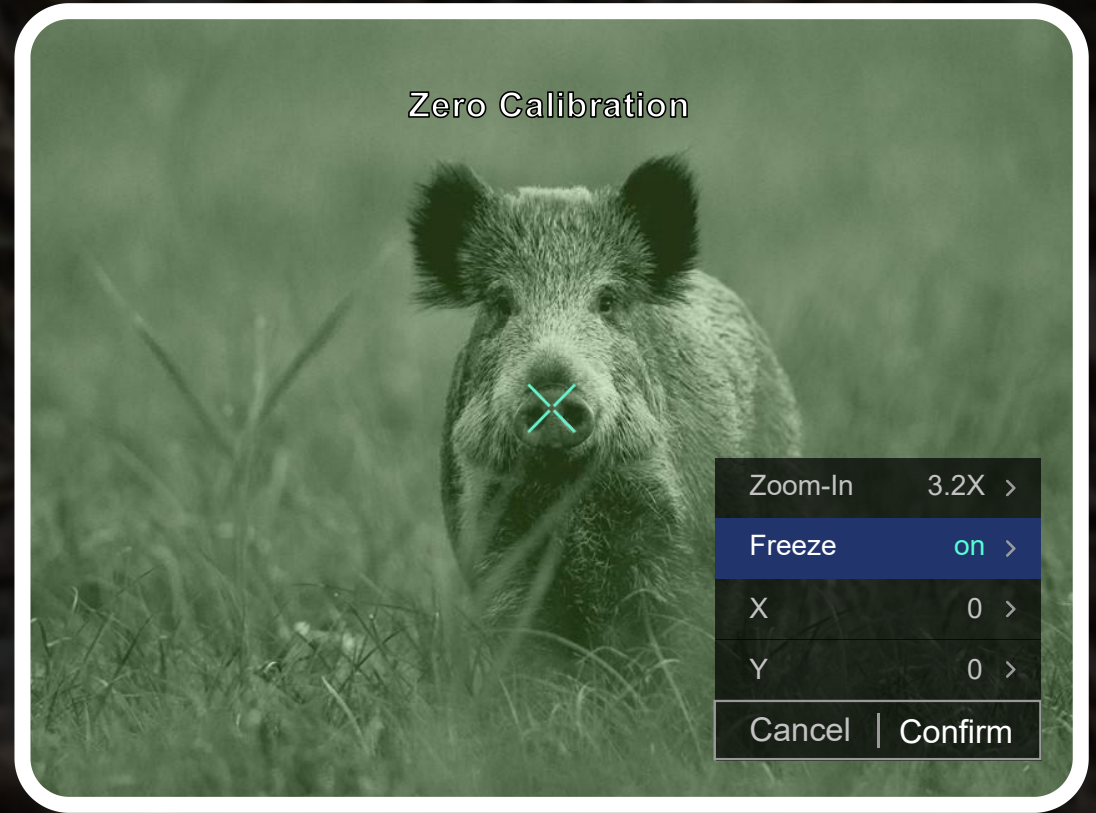# 800G/1ms
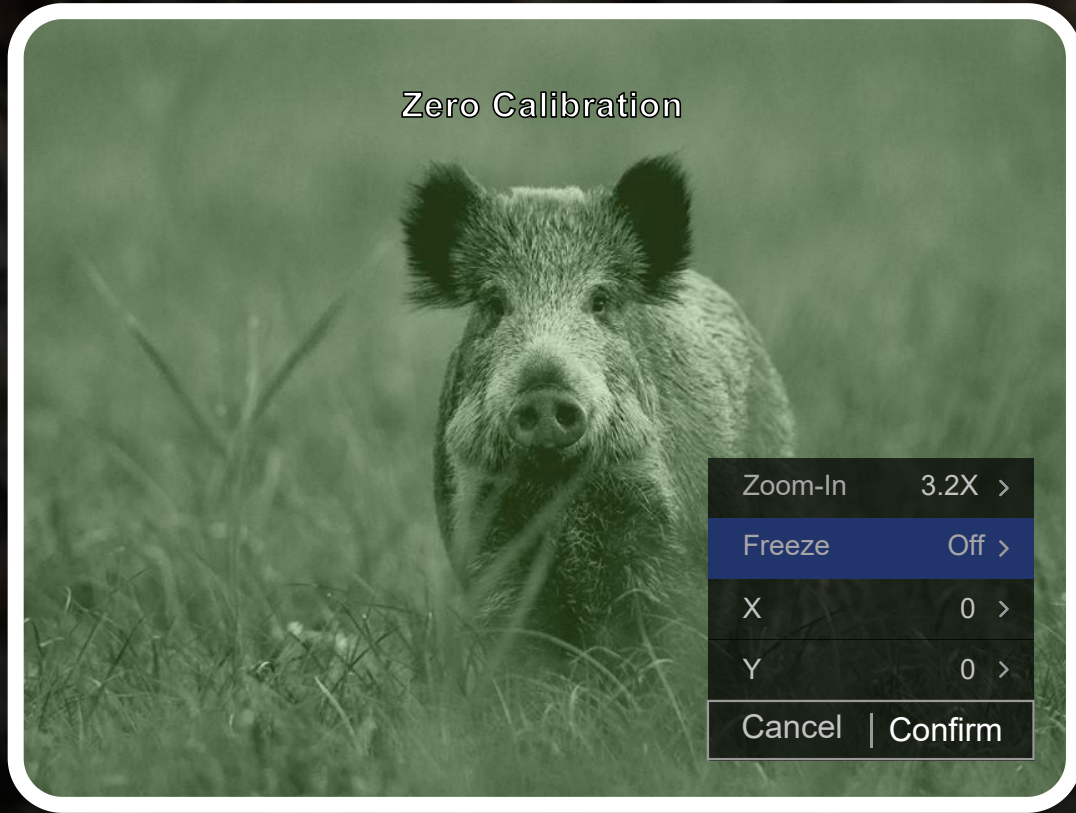
CE FC EAC UKCA IP67 RoHS

6h Super Long Battery Life
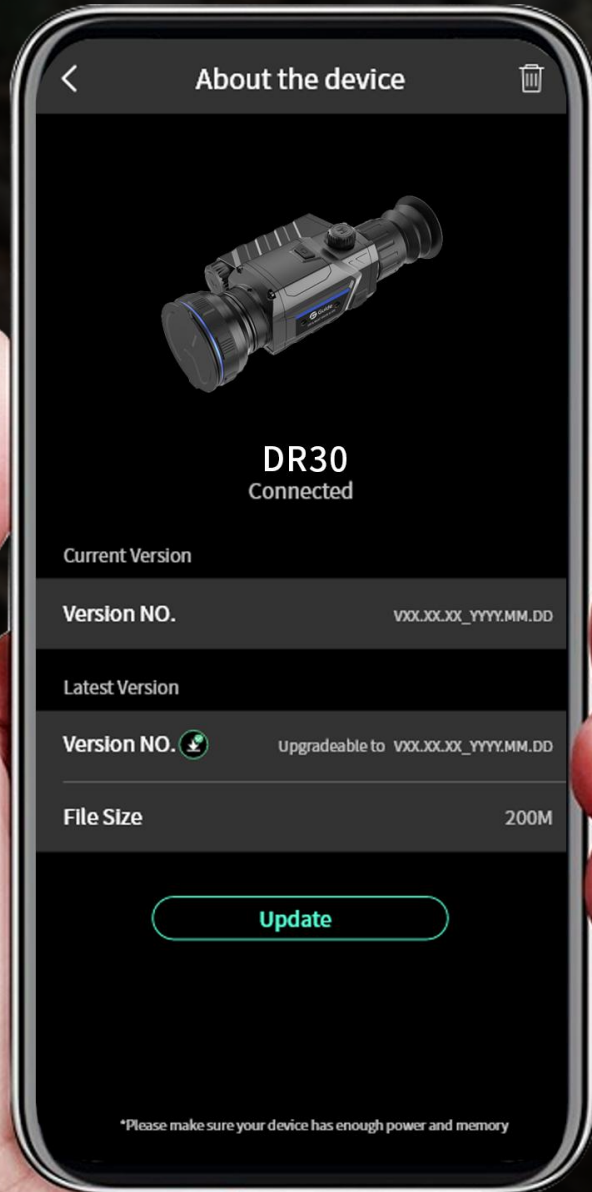
6 hrs

One-touch Freeze

This operation prevents the deviation caused by the artificial movement of the scope when adjusting the trajectory.
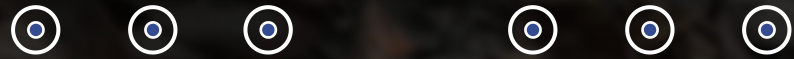
Remote Upgrade

OTA Upgrade

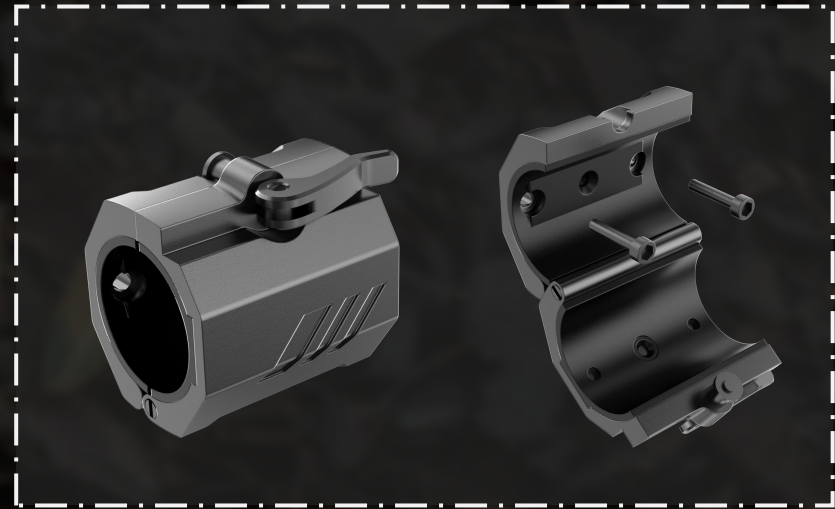**Connect to APP (Android or iOS) for**

OTA upgrade，quick and convenient

Target IR

About the device

DR30
Connected

Current Version

Version NO.   VXX.XX.XX_YYYY.MM.DD

Latest Version

Version NO.   Upgradeable to VXX.XX.XX_YYYY.MM.DD

File Size   200M

Update

*Please make sure your device has enough power and memory

More Advantages

Standard **IR illuminator** +

Customized quick release bracket
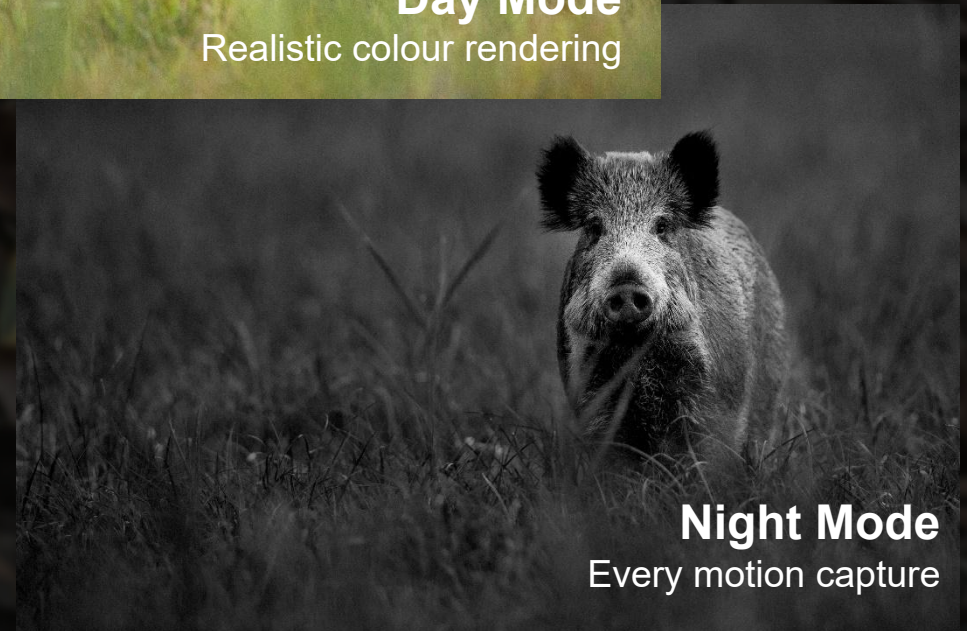
External
laser range finder

Three Viewing Modes

Day Mode
Realistic colour rendering

Low-light Mode
Capture and display every detail

Night Mode
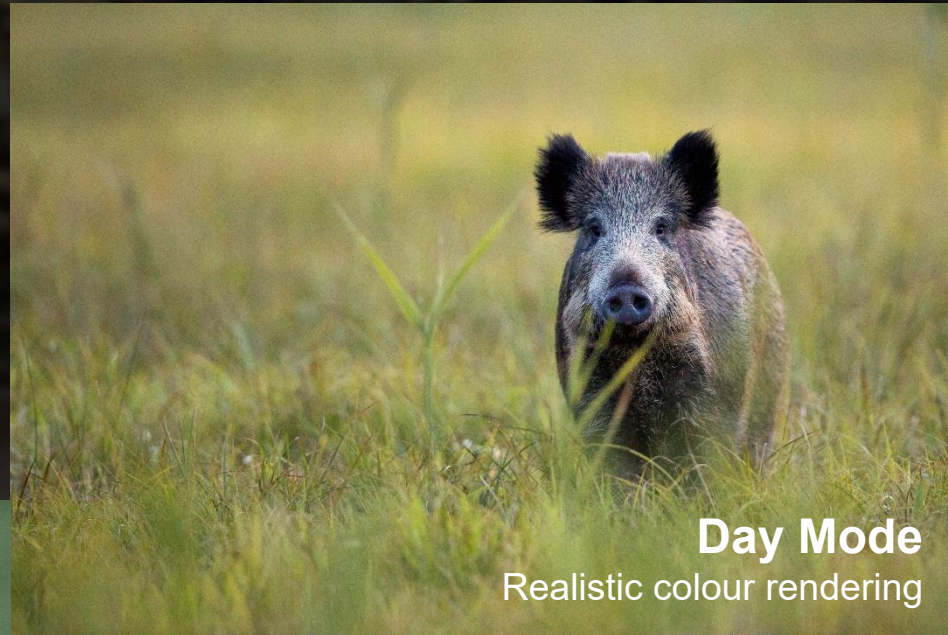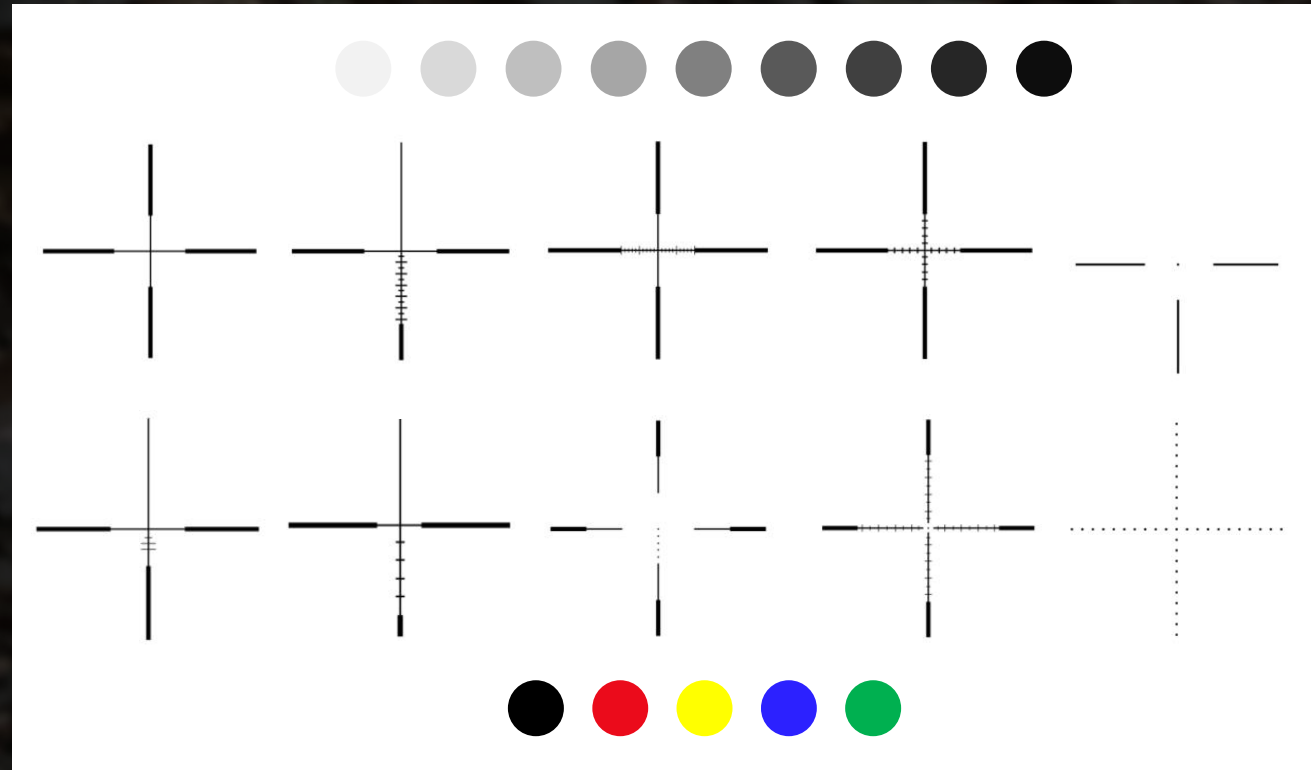Every motion capture
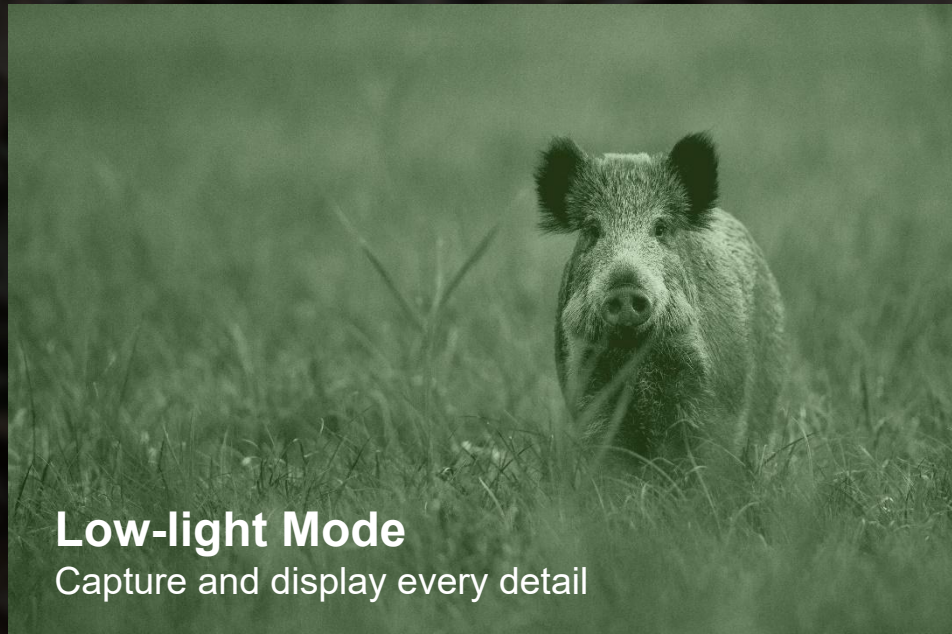
Customizable Reticle

✓ **10** Reticle Types

✓ **6** Colors

✓ **10** Levels of Reticle

Brightness

CONTENT

Specifications

Product model	DR30
Sensor	
Sensor type	CMOS
Resolution	1920×1080@4μm
Frame rate	50Hz
Lens	
Focal length	35mm F1.2
Field of view	12.52°x7.06°
Optical zoom	2.175x
Digital zoom	1x~8x
Focus	Manual
Display	
Display type	0.39" OLED
Resolution	1920×1080@4.5um, FHD
Eyepiece	Eye relief≥48 mm
Video output	Analog video
Power	
Battery type	Single, replaceable 18650 battery
Battery life	6 hours
Interface	
USB	USB Type-C
Mechanical interface	Picatinny

Product model	DR30
Functions	
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	850 nm / 940 nm (Alternative)
System	
Language settings	English, Russian, German, French, Chinese, Italian, Spanish, Japanese, Korean, Polish
Memory capacity	32 GB
Environmental	
Operating temperature range	-30°C to 50°C
Storage temperature range	-40°C to 70°C
Humidity	10 % to 95 % non-condensing
Shock	800G/1ms semi-sinosoidal IEC60068-2-27
Encapsulation	IP67
Certification	CE, FCC, EAC, RoHS
Detection range	
Detection range	500 (with IR 850 nm) / 450 (with IR 940 nm)
Physical	
Weight	≤565 g (without eye mask and battery)
Size	≤218×66×88 mm (without eye mask)

Accessories Introduction
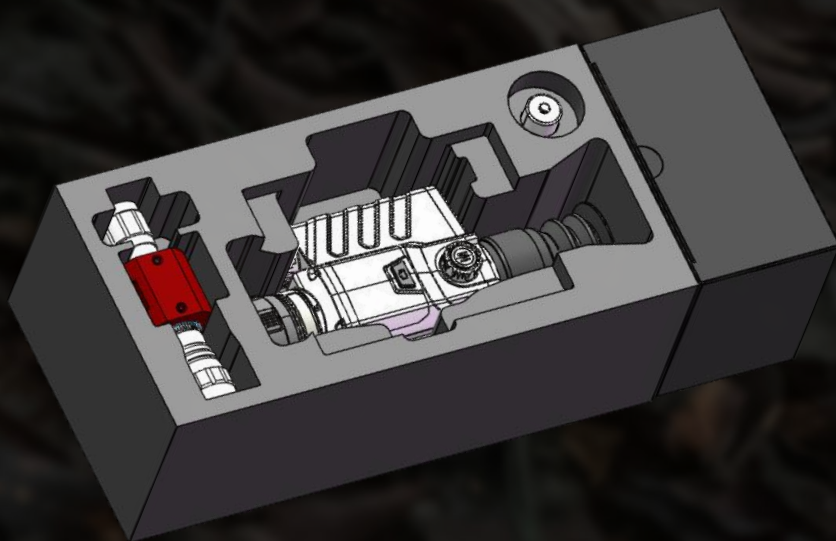
5V2A adapter (US, Britain, Australia and Europe)

Type C cable x1

18650 battery x1

Battery charger x1

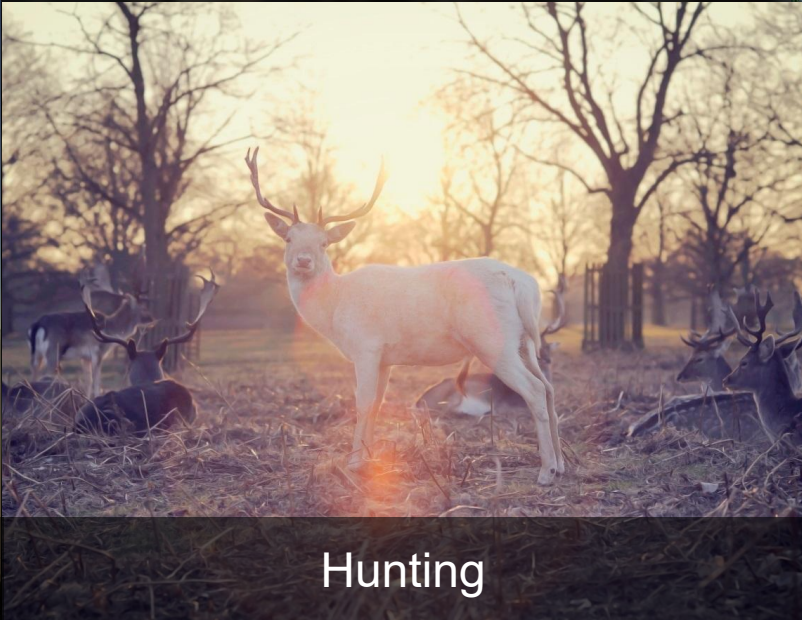IR illuminator bracket ×1

IR illuminator ×1

Quick start guide x1

Warranty card x1

CONTENT

Outdoor

Hunting

Search & Rescue

Livestock Breeding

Personal Security

Law Enforcement

T H A N K S

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