



WILD-D Series
Thermal Imaging

Thermal Imaging Monocular Wild 650D

Technical Specifications



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WILD 650D

Key Features

- 640x512 thermal resolution, NETD<18mK;
- Aperture reaches to F#0.9 in dual field of view optical system;
- 1024*768 resolution with 0.39-inch OLED display;
- Automatic object detection and distance measurement;
- Up to 8 hours of continuous operation with lithium battery;
- Joystick control design combined with thumbwheel focus enables one-hand operation;
- Up to 64GB of storage space;
- Sunburn protection/PIP/Tracking/EIS/OSD

Applications

- Night hunting
- Observation
- Rescue operations
- Hiking and traveling

Specifications



Model		Wild650D
		Microbolometer
Resolution		640x512
Pixel Pitch		12μm
NETD		<18mK@300k
Spectral range		8-14μm
Frame rate		50HZ
Detection Range		1300m/2600m
		Optics
Objective lens		25mm/50mm
F Number		F0.9/F0.9
Field of view		17.5° x 14°/ 8.8° x 7.0°
Magnification		1.4X-2.8X
Digital Zoom		1-4X continuous zoom
Eye relief		40mm
Exit pupil		6mm
Diopter		±5D
		Display
Type		AMOLED
Resolution		1024x768
Display size		0.39 inch
Color palette		6
Image mode		Forest/Target

Function	
Photo/video playback	Yes
Language	Multiple-languages
Inbuilt Memory	64GB
PIP	Yes
AI Distance Measurement	Yes
Heat Track	Yes
Real-time Notification	Yes
OSD Recording	Yes
Burn prevention	Yes
EIS	Yes
Battery	
Internal battery	Replaceable and Rechargeable Li-ion Battery (18650x1)
Battery life	8h
Interface	
Type-C	Supports battery charging, data transfer, USB video output
Hotspot	Yes, App remote control
Environment	
Working temperature	-20°C—+50°C
Protection Level	IP67
Weight, g	647.5±15
Size, mm	210*81*71
Accessories	
External Cable	USB cable
Other Accessories	Palm strap/Protective bag/Non-dust cloth and etc.

Accessories



Monocular (x1)



USB cable (x1)



Charger (X1)



Lanyard(x1)



Hand strap (x1)



Lithium battery (X2)



Lens cloth (x1)



User manual (x1)



Bag(x1)

Dimension

Unit: mm

