

Model



CAL19

Detector parameters

Type	Uncooled VOx IRFPA
Resolution, pixels	384×288
Pixel pitch, μm	12
NETD, mK	≤40
Frame rate, Hz	50

Optical parameters

Objective lens, mm	19
Field of view	13.8°×10.4°
Optical magnification, ×	2-8
Eyepiece, mm	20
Diopter Adjustment, D	-5~+5
Detection Range, m (Target size:1.7m×0.5m, P(n)=99%)	1350

Display parameters

Type	LCOS
Resolution	1280×960

Battery power

Battery type/capacity/output voltage	Li-ion battery pack IBP-2/3.1Ah/3.6V
Max. battery life (t=22°C) *, h	≤7.5
External power supply	5V (Type C)

Physical parameters

IP protection	IP66
Built-in memory, GB	16
APP	support
Operating temperature, °C	-20~+50
Weight(without replaceable battery), g	<380
Dimension, mm	165×50×85



Cabin Series

Cabin Series Thermal Imaging Monocular is compact and light, easy and comfortable to carry and operate with one hand. Its battery can be quickly removed. With exquisite functions and built-in LED light, Cabin can be widely used for hunting, searching, and positioning, under various outdoor conditions. No matter it is day or night, and no matter how bad weather conditions are, it can observe the targets hidden behind obstacles.



InfiRay Technology Co., Ltd.

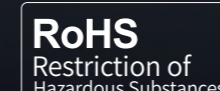
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1 Powerful Core, HD Images

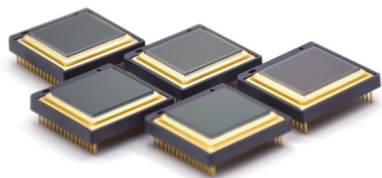
High Image Quality

Cabin has built-in self-developed high-performance VOx (Vanadium Oxide) detectors. Equipped with high-performance electronic equipment and superior infrared optics, it can provide ultra-clear thermal images, making detection and identification easy and efficient during the day or night.



12 μm 12μm Thermal Imaging Detector

Adopt high-performance 12μm detector



HD Display 1280 × 960

High resolution provides clear and colorful images.

High Frame Rate- 50 Hz

50Hz

50 Hz frame rate captures every detail you are interested in.



2 Smart Functions, Easy To Use



Ultra-clear Mode

Built-in ultra-clear mode is suitable for bad weather conditions, such as fog and rain. This mode is more sensitive to show more details.

Picture-In-Picture Function

Provide a 2× magnified area on the top to help to magnify the target while keeping the rest of the field of view visible.

Built-in Motion Sensor and Electronic Compass

Built-in motion sensor and electronic compass accurately identify the angle and inclination.

Stadiametric Rangefinder

Based on estimated heights of targets user can get the rough distance from the target with the built-in stadiametric rangefinder fast and easy.



3 Superior Tools, Born For Outdoor

Strong light variable-focus light

Cabin is equipped with imported 3w LED lamp beads, and has the function of two-gear switching and zooming. The irradiation distance can reach 50 m, providing you with necessary lighting for search and rescue.



Replaceable battery pack

3100mAh

Cabin is equipped with a 3.6V, 3100 mAh large-capacity battery pack, which can work continuously for 7.5 hours. The battery can be quickly removed and inserted in a few seconds, providing an ideal battery solution.



Quick focusing knob

Cabin uses the focusing knob to adjust the focus within a range of 100°, allowing you to see the target more quickly.