

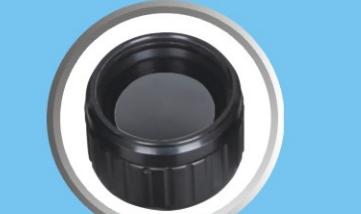
EXCELLENT IMAGE QUALITY

384 × 288 Pixel

S230



18mm



37mm



Tripod interface



DALI s230

Drop-resistant & small volume

S230 — 24-hour middle range infrared telescope

S230 Handheld monocular observation Infrared Telescope uses un-cooled FPA micro-bolometer, with features of small volume, light weight, durable structure, easy operation and storables images. It can work under different severe environment to realize 24-hour detection, smuggling suppression and exact search.



384×288 pixel

One-handed operation /
Easy to carryImage capture
& store

50Hz live image

OLED monocular monitor
Resolution 800*600

Daylight image VS Thermal image in fog



Shimmer image VS Thermal image



Normal image VS Thermal image in total darkness



Laser image VS Thermal image



1.8m drop



Technical Parameter

Items	S230-18	S230-37
Detector characteristics	Detector type Array size/format	Un-cooled FPA micro-bolometer 384x288
	Field of view/min focus distance Spatial resolution (IFOV)	29.9°x22.6° 1.36mrad
	Thermal sensitivity	≤0.06°C@30°C
Image characteristics	Frame frequency Focus	50/60Hz Manual
	Zoom	2x
	Spectral range	8-14μm
Image display	Display Image polarity	800x 600 HD OLED monocular screen White /Black hot
Image storage	Storage card Storage mode	2G Micro SD card Manual
	File format	JPEG/MPEG4
Thermalimage operation	Power key Brightness key	On / Off switch 5 optional cycle levels
	Zero key Functional key	Manual calibration Short press for E-zoom, long press for polarity shift
	Storage/ Record key	Capture / record
Power source	Battery type Battery operating time	Li-Ion, rechargeable 3 hours continuous operation
	Battery charging mode Power saving	Special designed, random charge 10-15V DC
	External power	<3.5W
	Operating temperature	-20°C~+50°C
	Storage temperature	-40°C~+60°C
Environment	Humidity Encapsulation	≤90% non-condensing IP67
	Drop test Shock-resistant	1.8M , IEC68-2-32 25G , IEC68-2-29
	Anti-vibrated	2G , IEC68-2-6
Physical characteristics	Weight Dimension	<900g 139x64x163mm
Interface	Power interface Video output	Yes Yes
	USB	Image, measurement data transfer

▲ The information contained in this document is subject to change without notice

S230 Observation Distance

Weather condition: 25°, 1atm Visibility: 10km , 60%RH

Note: Detection distance will be affected by the size and temperature of the object, plus the lens configuration and the weather condition.

S230(18mm lens)

Human (1.7×0.5m)



Detection > 600m
Recognition > 200m

Vehicle (2.3×2.3m)



Detection > 800m
Recognition > 400m

S230(37mm Lens)

Human (1.7×0.5m)



Detection > 1200m
Recognition > 400m

Vehicle (2.3×2.3m)



Detection > 1700m
Recognition > 800m



Search & Rescue



Aquaculture surveillance



Residence safety observation



Jungle search



Shore surveillance



Road surveillance



Handheld Infrared monocular observation Telescope S230



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