

# IR-2100 and IR-2200 Thermal Imaging Binoculars



**IR-2100 and IR-2200** allow users to detect people, weapons and animals in any harsh environment such as total darkness, haze, dust, sleet, forest, grass, disguise, etc., turning night to day.

**IR-2100 and IR-2200** are widely used in the night observation and surveillance for soldiers, commanders, armed policemen and other law enforcers.



## FEATURES

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640×480 FPA detector

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Built-in DMC, GPS for IR-2200

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Built-in 4G SD card for recording videos and images, external video output

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High-definition binocular OLED , 800×600

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MIL-STD-810F standard

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## APPLICATIONS

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Tactical observations

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Combat activities

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Long-range observation

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Hunting, searching & scouting

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Thermal night vision

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# IR-2100 and IR-2200 Thermal Imaging Binoculars



## TECHNICAL SPECIFICATIONS

Item	IR-2100	IR-2200
Detector Data		
Detector type	Uncooled FPA detector	
Detector material	Asi	
IR resolution	640×480	
Pixel pitch	17um	
Spectral range	8 ~ 14um	
Detector frequency	50Hz	
Sensitivity	60mk@30 ℃	
Time to image	4s	
Image Performance		
NUC	Shutter correction	
Noise reduction	Digital filtering	
E-zoom	2×、 4×	
Polarity	Black hot/White hot	
Video output	PAL or NTSC	
Gain adjustment	Manual	
Micro-display adjustment	Brightness	
Display	800×600 binocular OLED	
Video recording	Built-in 4G SD card for recording videos and images	
Optical Performance		
Focus distance	75mm	
Lens type	Manual	
Eye relief	25mm	
Diopter	-6 ~ +4	
Batteries	6pcs rechargeable AA batteries	
Battery operation time	> 5hrs, normal temperature	
Positioning Function		
Laser ranging	N/A	2100m; Deviation:1m
DMC	Yes	Yes
GPS	N/A	Yes; Accuracy:2.5m
Interface		
Multi-cable aviation plug	Power interface	
	Video output （PAL）	
Environmental Data		
Operating temperature range	-35 ℃ ~+60 ℃	
Storage temperature range	-40 ℃ ~+70 ℃	
Encapsulation	IP67	
Shock & Vibration & EMC	1m drop resistance	
Physical Data		
Weight	≤1.3kg	≤1.6kg
Size	180mm*145mm*86mm	210mm*145mm*90mm