

The Skynight 1-2x85 thermal imaging binocular is a technically advanced device for observation and perimeter security. Utilizing a high resolution and advanced uncooled FPA infrared detector (Gen3) 320x240 pixels, it allows users to observe the heat signatures of people and objects in daytime or at night and through smoke, fog or camouflage. It can detect people within a range of more than 1000m and recognise them within 700m.



### Features

- Gold-standard BST image quality with clear 384 x 288 resolution.
- Immunity to damage from solar radiation
- Longest viewing range in its class detects standing person 1500meters and recognize them beyond 700m with 85mm F0.8 lens.
- Automatic gain control with adjustment.
- Automatic brightness and contrast control with adjustment, and 2x digital zoom.
- NTSC / PAL compatible for video recording.
- Electric Motor(electric focus lens) with manual adjustment.
- High capacity, commercially available camera battery and low battery indicator
- Onboard, adjustable position viewfinder.
- One-hand, direct-view operation.
- Fixed, tripod-mount, remote video capable. BNC video output with PAL--50Hz 640x480pixel.
- Shock protected precision optics.
- Video/image polarity selection, white-hot or black-hot .

### Specification

Material & Structure (UFPA)	320x240pixel@ 38μm
NETD≤65mk	@30°C
Spectral Response	8~12um
Detection Range	≥1500m@ Person 170cm x40cm
Magnification	1-2x
Field of view/Min focus	12°x9°/ 10m
Objective lens system	85mm / F=0.8
Focus Method	Electric Motor(electric focus lens)
Monocular Viewfinder	Monochrome (black & white)
Output Format	CCIR
External power	12V rechargeable lithium batteries
Power	≤ 6W@ 25°C
Continuous Operating Time	≥ 4hours with supplied battery
Starting Time	≤ 30s
Power	≤ 6W@ 25°C
Tripod Mount	1/4"
Maximum Humidity	95% @+35°C 24hours
Weather Resistant	IP67
Operating / Storage Temperature	-40°C~+50°C /-50°C~+70°C
Weight (including battery)	less than 1.85kg

