

# NIGHT VISION Thermal Night Vision Systems



## NV-E30CC, Thermal Imaging Sights

NV-E30CC is a thermal weapon sight which is widely used for law enforcement. It can detect heat of any targets against cooler background during day or night, especially in severe conditions such as total darkness, haze, dust, sleet, forest, grass, disguise and so on.

### Application Case:

Law enforcement • Targeting systems • Defense systems.

**Features:** Pixel pitch 17  $\mu$ m, NETD $\leq$ 70mK • 50Hz instant imaging, 3s start-up

• 35, 50 & 75mm lenses for option • PIP function • AMOLED 1024 $\times$ 768

• Color mode: black hot/white hot/red hotm • LRF: 600m,  $\pm$ 2m.



Model	NV-E30CC	
Detector Data		
Type	Uncooled FPA	
Material	aSi	
IR resolution	384×288	
Pixel pitch	17μm	
Spectral range	8~14μm	
NETD/Sensitivity	≤70mK	
Lens Data		
FOV/Focal distance	10.6°×8.0°/35mm	7.5°×5.5°/50mm
Recognition distance (Vehicle)	950m	1200m
Recognition distance (Human)	320m	420m
F	F 1.0	
Distance of exit pupil	48mm	
Diopter	-5 ~ +5	
Image Performance		
Display	1024×768 OLED	
Frequency	50Hz	
Amplification	2X, 4X	
Polarity/LUT mode	Black hot/White hot/Red hot	
Pip	Yes	
Reticle color	White/Black with reverse	
Reticle type	5 reticle types (customizable)	
Startup time	3s	
Contrast/Brightness	Auto/Manual	
Laser Ranging		
Wavelength	905nm	
Ranging distance	600m	
Ranging accuracy	±2m	
Interfaces		
Format	Waterproof aviation plug (with power,video,RS232)	
Picatinny rail	MIL-STD 1913	
Video output	PAL	
Power System		
Battery type	Non-removable, rechargeable lithium battery	
Operating time	≥5h continuous	
Environment Parameters		
Operating temperature range	-20°C ~ +50°C (-30°C ~ +60°C optional)	
Storage temperature range	-40°C ~ +70°C	
Encapsulation	IP66	
Shock & Vibration	MIL-STD-810F	
Physical Data		
Size (without eyepiece)	200mm×115mm×78mm(with 35mm lens)	220mm×115mm×78mm(with 50mm lens)
Weight (with battery)	900g (with 35mm lens)	1000g (with 50mm lens)
Packing		
Standard	Thermal imaging sights, Combination cables, Picatinny rail, Warranty card, User manual, Certificate, Transport case	
Option	DC 5V power adapter	