



NTG5000 Multi-Function Thermal and CMOS camera with positioning and ranging system



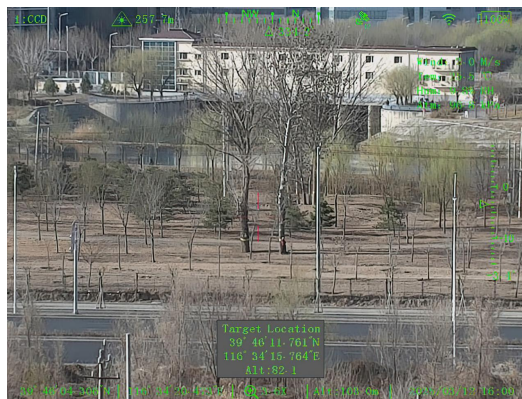
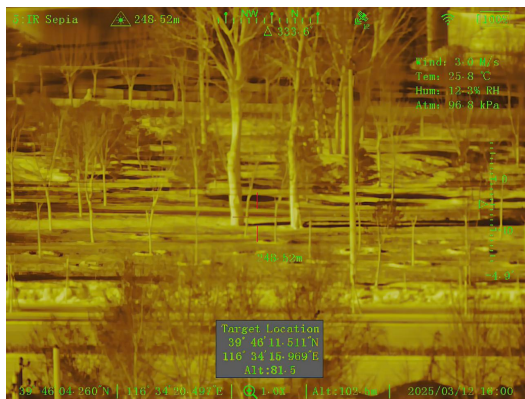
It uses the channel of infrared and the channel of visible light (CMOS) to achieve clear image in day time and night time. Or it can use the infrared channel to track the target in day and night. Therefore, it is the ideal device for law enforcement, anti-drug, anti-terrorism, border defense, sea guard, etc



Features:

- Switch between CMOS and thermal

- GPS to show Shown the coordinates of the target and user
- E-compass for direction
- 36X optical, 32X digital
- Anti-fog : 4 settings
- Stabilization in CMOS: 3 settings
- 3 settings of DDE
- OLED display with resolution 1280×1024;
- Built in LRF up to 10000 meters; Optional 5000 meters
- Displayed or hidden data on the screen
- Built-in scale for measuring horizontal and vertical angle
- Red letters on OLED
- Wide Dynamic Range
- Digital Noise Reduction
- Intelligent motion detection
- Laser pointer and IR illuminate, Wind-meter



Specification:

IR	
Sensor	VOX
Resolution	640×512
Pitch	12μm

Respond spectrum	7.5-13.5 μ m			
Focus length	f=65mm (F#0.9)			
FOV	5.75° \times 4.3°			
Space resolution	0.26mrad			
Focus	Motorized			
NETD	\leq 40mK@30°C			
Frame rate	50Hz			
Image intensification	DDE			
Display	Double OLED 1024X1280, with size of 0.61 inch			
Visible light				
CMOS	1/2" Sony Exmor CMOS sensor			
Total Pixels	1952(H) x 1113(V) = 2.17M pixels			
Resolution	Digital: 1080p 60(50)/30(25)fps, 1080i 60(50)fps, 720p 60(50)/30(25)fps Analog: HD-Analog (1080p 30(25)fps, 1080i 60(50)fps, 720p 60(50)/30(25)fps), CVBS (700TVL)			
Angle of View (D, H, V)	Wide	63.31°	56.5°	33.63°
	Narrow	2.44°	2.12°	1.19°
Focus length	f = 6.0mm ~ 216.0mm			
Magnification	Optical x36, Digital x32 Zoom			
Focus	Automatic / Motorized			
Shutter	1/100-1/10000 second			
HD	Color 650TVL, white and black 700TVL			
Low light	Color 0.04Lux(50IRE@F1.5), white and black 0.004Lux (50IRE@F1.5)			
S/N	\geq 50dB			
Dynamic detection	support			
Storage				
SD card	SD card, 64G			
Video	AVI, 5 hours video			
Power and interface				
Battery	Lithium battery, rechargeable			

Battery life	5 hours
Charger	Smart charger
External power	DC 9-12V
Watt	≤5W
Auto sleep	OLED, Auto sleep
Data/ protocol	USB, RS 232, B N C ,(VISCA, PELCO-D,
Environment	
Working temperature	-20°C - +50°C
Storage temperature	-40°C - +70°C
Humidity	Under 10%-95%, no condensing
Protection	IP 67
Physical	
Dimension	≤210mm x 185mm x 100mm
Weight	≤2.37kg (including the battery)
Laser range finder	6km (standard)
	10km (optional)

Distance		IR	CMOS
Human 1.7m×0.5m	Identification	0.85km	1.00km
	Recognition	1.70km	3.50km
	Detection	5.00km	6.07km
Vehicle 2.3m×2.3m	Identification	1.20km	4.00km
	Recognition	2.40km	6.00km
	Detection	6.00km	8.20km

