



# 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
- Digital image Stablizer



Specification:

<b>IR</b>				
<b>Sensor</b>	VOX			
<b>Resolution</b>	640×512/ 1280×1024			
<b>Pitch</b>	12μm			
<b>Respond spectrum</b>	7.5-13.5μm			
<b>Focus length</b>	f=65mm (F#0.9)			
<b>FOV</b>	10.36°×8.3°			
<b>Space resolution</b>	0.26mrad			
<b>Focus</b>	Motorized			
<b>N E T D</b>	≤50mK@30°C			
<b>Frame rate</b>	50Hz			
<b>Image intensification</b>	DDE			
<b>Display</b>	Double OLED, with size of 0.61 inch			
<b>Visible light</b>				
<b>CMOS</b>	1/2" Sony Exmor CMOS sensor			
<b>Total Pixels</b>	1952(H) x 1113(V) = 2.17M pixels			
<b>Resolution</b>	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)			
<b>Angle of View (D, H, V)</b>	Wide	63.31°	56.5°	33.63°
	Narrow	2.44°	2.12°	1.19°
<b>Focus length</b>	f = 6.0mm ~ 216.0mm			
<b>Magnification</b>	Optical x36, Digital x32 Zoom			
<b>Focus</b>	Automatic / Motorized			
<b>Shutter</b>	1/100-1/10000 second			
<b>HD</b>	Color 650TVL, white and black 700TVL			
<b>Low light</b>	Color 0.04Lux(50IRE@F1.5), white and black 0.004Lux (50IRE@F1.5)			

<b>S/N</b>	≥50dB
<b>Dynamic detection</b>	support
<b>Storage</b>	
<b>SD card</b>	SD card, 32G
<b>Video</b>	AVI, 5 hours video
<b>Power and interface</b>	
<b>Battery</b>	Lithium battery, rechargeable
<b>Battery life</b>	5 hours
<b>Charger</b>	Smart charger
<b>External power</b>	DC 9-12V
<b>Watt</b>	≤5W
<b>Auto sleep</b>	OLED, Auto sleep
<b>Data/ protocol</b>	USB, RS 232, B N C, (VISCA, PELCO-D, PELCO-P
<b>Environment</b>	
<b>Working temperature</b>	-20°C - +50°C
<b>Storage temperature</b>	-40°C - +70°C
<b>Humidity</b>	Under 10%-95%, no condensing
<b>Protection</b>	IP 66
<b>Physical</b>	
<b>Dimension</b>	≤210mm x 185mm x 100mm
<b>Weight</b>	≤2.37kg (including the battery)
<b>IR</b>	Identification: 800m Detection: 2500m
<b>CMOS</b>	Identification: 1000m Detection: 3000m
<b>Laser range finder</b>	905nm---2km (standard)
	1535nm---6km/8km/10km (optional)

Buttons:

