

# NNIPO

## TR22S Series Thermal Imaging Scope

TR22S is a good quality infrared thermal imager. It is compact, light weight and easy to mount, it was created by the design team that won the highest global design award “the Red Dot Award” based on a conception of sturdy, strength and technology. Using the most advanced infrared thermal imaging night vision system, the image quality is excellent with high shock resistance. A variety of reticles are optional. It can capture snapshot, video recording, WIFI app connection with phone for transmission. It can meet various applications in law enforcement, outdoor hunting and other occasions.



	TR22S-325 / TR22S-625	TR22S-335 / TR22S-635	TR22S-345 / TR22S-645
Detection distance rabbit(0.2×0.3)m	450	700	800
Detection distance Human(1.8×0.5)m	1000	1500	1700
Detection distance deer(1.5×0.9)m	1300	2000	2300
Recognition distance rabbit(0.2×0.3)m	120	180	200
Recognition distance Human(1.8×0.5)m	500	750	850
Recognition distance deer(1.5×0.9)m	650	1000	1100

## Product parameters

Model	TR22S-325-LRF	TR22S-335-LRF	TR22S-345-LRF	TR22S-625-LRF	TR22S-635-LRF	TR22S-645-LRF
Lens	25mm	35mm	45mm	25mm	35mm	45mm
Thermal sensor	Vox 384*288			Vox 640*512		
Optical Magnification	2.39~19.11×	3.34~26.75×	4.3~34.4×	1.43~11.47×	2.01~16.05×	2.58~20.64×
NETD	≤25mk					
Pixel size	12μm					
Frame rate	50 Hz					
Display resolution	1024*768 OLED					
Digital zoom	2×,4×,8×					
Field of View (HxV)	10.5°×7.9°	7.5°×5.7°	5.9°×4.4°	17.5°×14°	12.5°×10°	9.8°×7.8°
Eye Relief	48mm					
Diopter (Range)	±5D					
Calibration	Shutter Calibration, scene Calibration, automatic Calibration					
Reticles	8 styles, 5 colors					
Palettes	White hot, Black hot, Red hot, Green hot, Iron red, Fusion					
Battery	Single 18650					
PIP	Yes					
WIFI	Yes					
E-compass	Yes					
3D Gyroscope	Yes					
Hot track	Yes					
Capture snapshot	Yes					
Video recorder	yes (with sound)					
Laser range finder	Optional					
Video output	CVBS					
Operation time	>4hours					
External power supply	TYPE-C interface					
Housing	Aviation aluminum alloy					
Dimension(mm)	189*58*75	196*58*75	205*58*75	189*58*75	196*58*75	205*58*75
Weight(g)	500g	520g	545g	500g	520g	545g
Protection Level	IP67					
Working temperature	-20°C...+60 °C					