

TBX-05N

Gyro Stabilized Mini Gimbal Thermal Camera



Thermal Imaging Camera

- Resolution 640 x 512
- NETD: <50mK
- Digital Zoom x8
- DDE (Digital Detail Enhancement)

Color Camera

- 4K 3840x2160p
- 18X Continuous zoom, 32X Digital zoom
- DIS (Digital Image Stabilization)

Mechanism

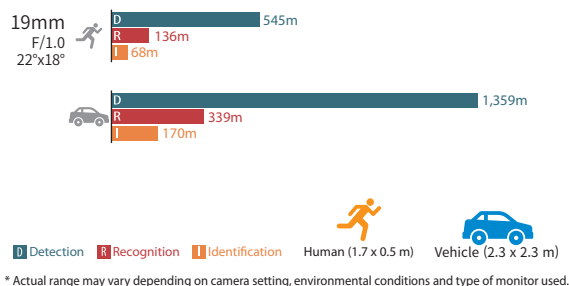
- **Gyro High Performance Stabilization System (3Axis)**

SPECIFICATIONS

* Specifications are subject to change without notice.

Mini Gimbal	
Thermal Camera	
Thermal Sensor	VOx Uncooled Infrared FPA
Array Resolution	640 x 512
Pixel Pitch	12μm
Wave Length	8 ~ 14μm
NETD	≤50mK@25°C, F#1.0
Output Resolution	640 x 512
Video Output	CVBS
D-ZOOM	8x (Step)
Image Processing	AGC, Palette, DDE
Lens (EFL/F#)	19mm F1.0 (FOV H22° x V18°)
Color Camera	
Sensor Type	1/1.8" Sony STARVIS CMOS sensor 9.17M Pixels (Total) , 8.41M Pixels (Active)
Output Resolution	Digital 2160p / Analogue : CVBS
Focal length	Optical x18, Digital x32 Zoom f = 6.8mm ~ 120.0mm , HFOV: 65.3°~4.2°
Function	WDR, BLC, DIS, Defog, Day&Night, Brightness, Sharpness
Minimum Illumination (50%)	Color(1/30s, 72dB) : 0.012lux , BW(1/30s, 72dB) : 0.0019lux Color DSS(1/1s, 72dB) : 0.0012lux , BW DSS(1/1s, 72dB) : 0.00019lux
Gimbal	
Mechenism Angle	Yaw : 150°~150° / Pitch : -90° ~ 90° / Roll : -45° ~ 45°
Manual Control Angle	Yaw : 140°~140° / Pitch : -90° ~ 30°
Max Control Speed	30°/s (Yaw, Pitch)
Power	DC12V or 24V(Optional)
Interface	Video Color Camera : HDMI, CVBS Thermal Camera : CVBS
	Control Network (Option : Serial interface)
Size	L : 145.3 / W : 152.9 / H : 184.3
Weight	Gimbal : <1.2kg (Depends on Lens&Camera) Junction Box : <0.1kg (Option)

RANGE PERFORMANCE



DIMENSION



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