



TBX-05S *Ultra Light Stabilized Gimbal Camera*

SPECIFICATIONS * Specifications are subject to change without notice.

MODEL	TBX-05S EO/IR/LRF	TBX-05S EO/IR
THERMAL CAMERA		
Sensor Type	Uncooled 640x480	
Pixel Pitch	12um	
Wave Length	8 ~ 14um	
NETD	≤50mK	
Output Resolution	640x480	
Video Output	Analog(NTSC or PAL)	
Lens Focal Length	LWIR 25mm (H:18°) 1x to 8x Digital Zoom	
Image Processing	AGC, NUC, Mirror, Flip, Inverse, Noise Reduction, Edge Enhancement	

DAYLIGHT CAMERA

Sensor	1/2.8" CMOS	
Output Resolution	1280 x 720 or 1920 x 1080	
Lens Focal length	Optical 3x & Digital 2x	Optical 12.5x & Digital 2x
HFOV	32°(Wide) ~ 8°(Tele), 4°(D-Zoom)	60°(Wide) ~ 4°(Tele), 2°(D-Zoom)

GIMBAL

Dimensions	72D x 105Hmm	
Weight	<400g	<350g
Pan/Tilt Range	Pan : +178°~ -178°, Tilt : -30°~ +90°	
Max Speed	Pan : 60°/s, Tilt : 60°/s	
Attitude Indicator	MEMS	
Gyro	2Axis (Pitch/Yaw)	

ENVIRONMENT

Voltage	12 VDC
Consumption	10W or less
Operating Temperature	-30°C to +43°C

SOFTWARE (Option)

Operation SW	GUI(excutable files)
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LRF (Option)

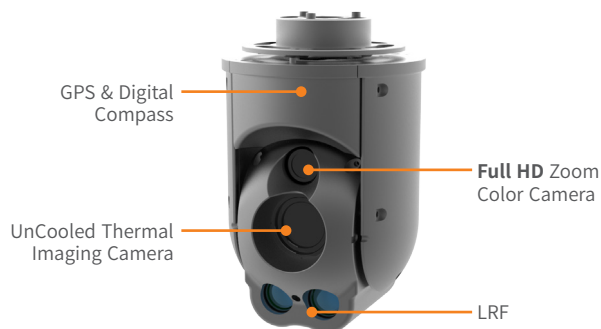
Wavelength	1.5um, eyesafe	N/A
Detection Range, NATO Target	1.7km	N/A
Measurement Rate	0.2, 1, 4, 10 Selectable	N/A
Ranging Accuracy	<1m	N/A

CONTROLLER (Option)

Controller Type	Panel Mount Controller
Display	10.2" Touch LCD
Interface	RADAR, GPS, Ethernet, RS232/RS422
Features	Built-In-Test, Stabilization Select, Real-Time Monitoring, Network Control

AUTO TRACKER (Option)

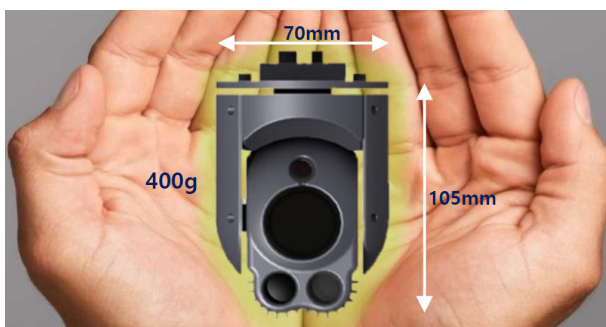
Auto Video Tracking	Yes
Target Coordinate Estimation	Yes
Video Storage	Yes
PIP	Yes
Network Streaming	Adjustable Compression Rate



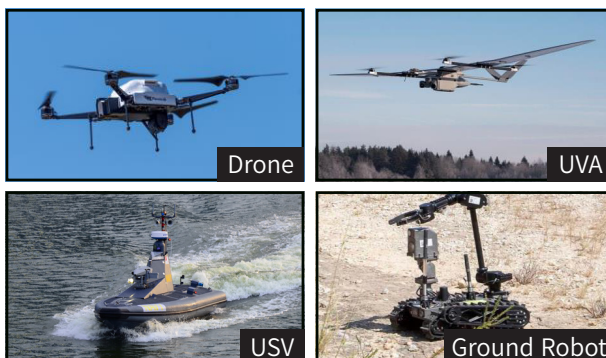
Main Feature

- Ultra Light for UAV Application
- Full HD / HD Color Camera
- Thermal Imaging Camera
- MEMS Gyro Stabilization
- BIT (Built In Test)
- Image Stabilization Software
- Laser Range Finde / Auto Tracker (Option)

Ultra Light Size



Application



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