

# Gyro-stabilized EO / IR Camera Systems

a dual camera system used for drones, aircraft, boats, ground vehicle and stationary mounting points. Its camera will follow selected object and allow operator to focus on in harsh environments, delivering uninterrupted video imagery in visual awareness solutions.

suitable for surveillance, reconnaissance, search & rescue, intelligence & observation and many various military missions.

## Features

Light weight (2.4kg)

Gyro-stabilized design, EO/IR camera system

Built-in video track module, GPS and compass module; Easy click and track/lock

Camera pointing GEO location available

Šæ^!ÁÜæ \*^ÁÜ æ^!ÁÜÈ \{|

## Applications

Ü^ { [ c^Á } d [ |Á |æ } i { • UAVs, UGVs and USVs

**Local operations** helicopters, fixed wing aircraft, etc.

Air vehicles, ground vehicles & maritime vehicles

## Accessories



Ö [ ] d [ |Á |æ } i { Á á^Á••Á æ^Áüæ } { ä•ä }



## Technical Specifications

<b>Item</b>	<b>TC900PTZ IRF</b>			
<b>Thermal Imaging Camera</b>				
Detector type	Uncooled FPA microbolometer			
IR resolution	640 x 480 pixels			
Pixel pitch	17µm			
Spectral range	8~14µm			
Thermal sensitivity (NETD)	<60mK			
Lens	F No.	FOV	Human (m)	Vehicle (m)
50mm Athermal lens				
	TC 690(17µm 640x480)	F=1	12.5° x 9.1°	930(Detection) 230(Recognition) 2800 (Detection) 710(Recognition)
Frame rate	50/60Hz			
Electronic zoom	2x, 4x			
Image polarity	Black hot/White hot			
Image processing	Advanced image improvement			
Brightness/Contrast	Auto/Manual			
Correction	Auto correction			
<b>Visual Camera</b>				
Resolution	1280x960H Resolution image			
FOV	57.8°x.7°			
Focus	Auto			
Aperture	Auto			
Zoom	10X optical,12X digital			
Min. illumination	Color:0.1 Lux:B/W Color:0.01Lux			
<b>Gimbal</b>				
Stabilization accuracy	Combination accuracy with post digital stabilization <0.02 degrees			
Pan range	360° Degree Continuous			
Tilt speed	+20°~-160°			
Dimension	W190mm X H255mm			
Weight	2400g + Optional Equipment			
<b>Video Downlink    Optional</b>				
Frequency	1.2GHZ.2.4GHZ or 5.8GHZ			
Bandwidth	Range up to 5km(optional >10km with special directed antennas)			
Transmitted power	Select from 10w to > 5w			
Size	10.4"			
Dimension	40x30x20cm			
Weight	2KG			
<b>Environmental Data</b>				
Operating temperature range	-20 to +70			
Storage temperature range	-40 to +70			
<b>Power System</b>				
Operating voltage	12V or 3Slipo			
Power consumption	Appx 200mA			
<b>Optional</b>				
1) <b>Video Track</b>				
2) <b>GEO Locked</b>				