

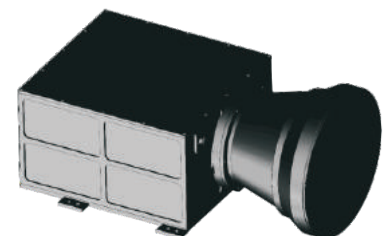
110-1100mm Continuous Zoom Gyro Stabilized Ultra Long Range Security & Surveillance



JH602-1100

Ultra-long Range Electro-Optical Infrared (EO/IR) Tracking Camera System

Equipped with a high resolution 640x512 HgCdTe MWIR cooled thermal camera with 1100~110mm continuous zoom lens which offers super long range security and surveillance application, capable of observation, recognition, aiming and tracking target at day and night. JH602-1100 system can work independently for ship navigation and surveillance at night, or be integrated into a larger surveillance system, capable of receiving slaving instruction from radar.



Thermal Camera Only Available

FUNCTION

- ◎ Search targets in specified area at day and night
- ◎ Detection, recognition and identification on specified target at day and night
- ◎ Isolate carrier (ship) disturbance, stabilized the LOS (line of sight)
- ◎ Manual/auto tracking target
- ◎ Real-time output and display LOS area
- ◎ Real-time report captured target azimuth angle, elevation angle and angular speed information
- ◎ System POST (power-on self-test) and feedback POST result



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FEATURES

- ⊙ High accuracy continuous zoom lens matches complex variable control system, provides crisp image and stabilized optic-axis in 110mm~1100mm focus length
- ⊙ 640x512 HgCdTe cooled FPA detector provide high quality image
- ⊙ Multi-axis stabilization platform, combing with high accuracy gyro and servo control system, ensures system have high accuracy stabilized tracking ability
- ⊙ Portable CDU, easy operation
- ⊙ Military standard components, high reliability, long lifetime enables working under severe environment for a long time
- ⊙ Fully-sealed waterproof, optical-mechanical-electronic integration design meets military standard

TECHNICAL SPECIFICATION

THERMAL CAMERA	
Detector	Cooled HgCdTeFPA
Pixel	640×512
Spectral band	3.7μm~4.8μm
FOV	0.5°×0.4°~5°×4° with 1100~110mm continuous zoom lens
Optical-axis parallelism	≤1pixel
SERVO	
Electronic zoom	2× (optional: 4×)
Stabilization accuracy	≤0.15mrad(1σ)
TURRET DIRECTION RANGE	
Azimuth	0~330° (optional n×360°)
Elevation	-20°~+75°
Turret maximum angle speed	Azimuth>50°/s; Elevation >50°/s
Tracking mode	CTW, CTB, COT
Video signal format	standard CCIR
Data rate	50Hz,100Hz
Communication	RS422
POWER	
Input voltage	DC24V/15A, 220VAC
Consumption	96W (average); 240W (maximum)
ENVIRONMENTAL	
Operating temperature range	-40℃~+50℃
Storage temperature range	-50℃~+70℃
PHYSICAL	
Dimension	700mm x 700mm x 1050mm (Camera)
	400mm x 300mm x 190mm (CDU)
Weight	Approx127kg (Camera); 10kg(CDU)

