



# BEE 5

## Dual Channel Long Range Surveillance system

### SYSTEM DESCRIPTION

BEE 5 is a long-range, dual channel sensor surveillance system for Borders, Critical Assets and Pipelines protection. The system combines an advanced cooled continuous zoom Thermal camera with a long-range IP Day camera, on a stabilized pan-tilt unit. BEE 5 can be provided also with a laser range finder (LRF) and GPS.

### BENEFITS

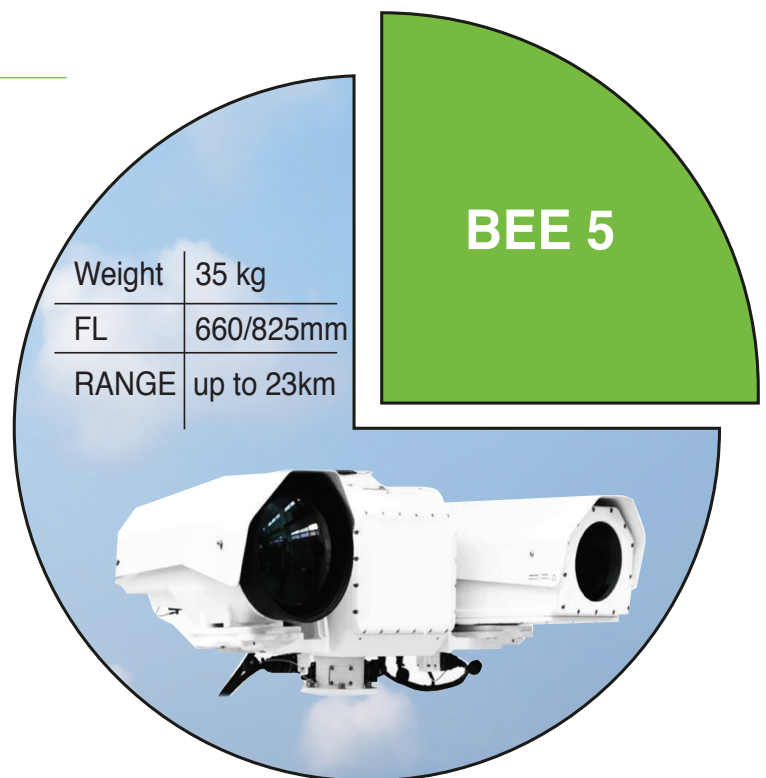
- Day/Night Long Range Surveillance
- Easy integration with C4I and VMS
- Multiple Configurations
- Ruggedized for harsh conditions fully IP

#### Optional

- Stabilized Platform
- LRF, Compass, GPS
- Tracking Capabilities

### APPLICATIONS

- Borders protection
- Coastal surveillance
- Critical Assets surveillance
- Oil&Gas Pipelines protection
- Drone Detection





Weight	35 kg
FL	660/825mm
RANGE	up to 23km



# Technical Data

## System Performance

Feature	Specifications	
Thermal Camera	Lens 40-825mm F#4	Lens 30-660mm F#4
DRI	Human = 19/ 9 /5 Km NATO = 23/ 14 /9.5 Km	Human = 16/ 7.2/ 3.6 Km NATO = 19.6/ 11/ 7.5 Km
FOV	0.67° x 0.53 - 14.4° x 11.5°	0.83° x 0.67 - 18.2° x 14.6°
Detector Type	MWIR, 3 - 5µm	
Resolution	640x512 15 µm Option for 1024x720	
NEDT	25mK (F4)	
Day Camera		
Sensor	1/1.9" Sony Exmor CMOS	
Resolution	1920(H) x 1080(V)	
Focal Length	10mm-860mm, 15mm-1200mm (Optional)	
Pan & Tilt		
Pan/Tilt Range	n x 360, -90° ÷90°	
Positioning Accuracy	0.02° (<0.5mrad)	
PTZ Velocity	0.001 to 45°/s	
Communication	Eth 10/100 Base-T, RS-232, RS-485/422	
Mechanical		
Total Size	550mmx450mmx600mm 670mmx450mmx350mm	
Total Weight	36.5kg	
Environmental Conditions		
Operation /Storage Temp.	-20 to 60°C , -40 to 60°C	
Storage	MIL-STD-810F Method 501.4 & 502.4, Proc. II – Hot	

