



BEE-5



DUAL CHANNEL LONG RANGE SURVEILLANCE SYSTEM

SYSTEM DESCRIPTION

The BEE 5 is a long-range, dual-channel sensor surveillance system for borders, critical assets and pipeline protection.

The system combines an advanced cooled continuous zoom thermal camera with a long-range IP Day camera, on a stabilised pan-tilt unit. An optional laser range finder (LRF) and GPS is optional.

WEIGHT: ~ 35 kg.
FOCAL LENS: 660/825 mm
RANGE: up to 23 km.

APPLICATIONS

The BEE-5 family is the optimal cost effective solution for:



Border Protection



Coastal Surveillance



Critical Assets Surveillance



Oil & Gas Pipeline Protection



Drone Detection

SYSTEM PERFORMANCE

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 - 14.4o x 11.5°	0.83° x 0.67 - 18.2o 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	550mm×450mm×600mm 670mm×450mm×350mm	
Total Weight	36.5kg	
Environmental Conditions		
Operation/Storage Temperature	-20° to 60°c , -40° to 60°c	
Storage	Mil. Standard 810f method 501.4 & 502.4, proc. ii – hot	

