



# BEE-1



## **BEE-1 DUAL CHANNEL OBSERVATION AND SURVEILLANCE SYSTEM**

### **SYSTEM DESCRIPTION**

The BEE-1 Family is a compact and sophisticated day and night, dual-sensor observation system specially designed for HLS and security applications. The system allows the users' excellent short-range detection and observation capabilities using advanced Thermal and CMOS Technology. Ruggedised and designed to operate in the harshest environments and all weather conditions, the BEE-1 Family is the optimal system for a wide range of security applications.

**WEIGHT:** ~ 8 kg.  
**FOCAL LENS:** 60/105 mm  
**RANGE:** up to 3 km.

## APPLICATIONS

The BEE-1 family is the optimal cost effective solution for:



Border Protection



HLS



Coastal Surveillance



Assets Surveillance



Perimeter Security

## BEE-1: MAIN TECHNICAL FEATURES

- Dual Cameras (Day/Night) Observation Capability With Unique Image Processing.
- Easily Integrated With C4I Systems.
- Continuous Zoom Or Discreet FOV.
- Motorized, and Autofocus Lenses.
- Standard ONVIF Profile S

### OPTIONAL

- Stabilised Platform
- Compass
- Video Analytics On Edge

## KEY BENEFITS

- |   |                       |  |
|---|-----------------------|--|
| • Superb 24/7 Night and Day Surveillance Capability | • Modularity          | • Rugged Design Certified to IP66 and Harsh Environment Conditions |
| • Mission Proven                                    | • Cost Effective      | • Simple Installation  |
|   | • Innovative Features | • Customisable   |
|   | • Advanced Optics     |  |

### VIDEO OUTPUT

- Analog or TCP/IP
- Video Compression H.264

### PAN & TILT UNIT

- Rotation Range: Pan 360° Continuously; Tilt 180° Tilt Speed 0.4°~60°/S
- Pan Speed 0.4°~80°/S
- Preset Speed Pan 160°/S, Tilt 120°/S
- Position Accuracy ±0.025°

### COMMUNICATION - LAN/ETH

### POWER - 24V (DC/AC)

## BEE-1: AVAILABLE CONFIGURATIONS

### THERMAL IMAGER

- Spectral Range 8-12μ
- Resolution 640 x 480
- Pitch 17μ / 12μ
- NETD <mk35mK@F1

### OPTIONAL OPTICS

- Focal Length 26-105 mm Continuous Zoom
- Focal Length 60 mm Fixed FOV
- Optional Optics Available Upon Request

### HD DAY CAMERA

- CMOS HD
- Up to x40 Continuous Zoom
- Image Stabilisation
- Infrared Cut Filter
- Sunshield

### THERMAL IMAGER ADDITIONAL OPTIONS

- VMD
- Image Stabilisation