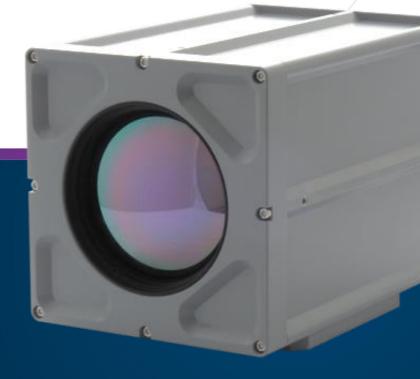


Monitoring and surveillance systems

## CAMERA SUMO-U135



Concept of the camera SUMO-U135 offers a cost effective solution for night surveillance applications. This camera is used mainly in short-range monitoring systems.

SUMO-U135 is a very sensitive, highly reliable uncooled thermal camera with dual field of view. That means there are only two positions of the lens: minimal and maximal zoom. The magnification at maximal zoom is 3x. There are three possible levels of digital zoom: 2x, 4x and 8x.

The camera with its accessories is placed in a sealed ruggedized environmental housing to protect optical and electronical parts. The housing includes a protective sun roof. The camera is remote-controlled via a serial line.

**Functions:** autofocus, color pallets, video enhancement, freeze image, OSD etc.

| TECHNICAL SPECIFICATION  |                                      |
|--------------------------|--------------------------------------|
| Camera module            |                                      |
| Sensor                   | VOx Microbolometer                   |
| Resolution               | 640 × 512 PAL<br>(640 × 480 NTSC)    |
| Pixels pitch             | 17 μm                                |
| Spectral sensitivity     | 8 - 12 μm                            |
| Sensitivity              | <50 mK at f/1,0                      |
| Video enhancement        | YES                                  |
| Video output             | 1 V p-p / 75 Ω                       |
| Lens                     |                                      |
| Zoom                     | 3x optical, 8x digital               |
| Focal length             | 45/135 mm                            |
| Horizontal Field of view | 14°18′ / 4°36′                       |
| Others                   |                                      |
| Control interface        | RS232                                |
| Power supply             | 24 V DC (18 V – 32 V)                |
| Consumption              | 8 W (typical)                        |
| Operating temp.          | -32 °C to +60 °C                     |
| Storage temp.            | -40 °C to +60 °C                     |
| Envir. Protection        | IP66                                 |
| Weight                   | 6 kg                                 |
| Dimensions (L x W x H)   | 270 x 170 × 170 mm                   |
| Complies with:           | EN 61000, MIL-STD-810<br>MIL-STD-461 |