



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 (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 x 170 mm
Complies with:	EN 61000, MIL-STD-810 MIL-STD-461