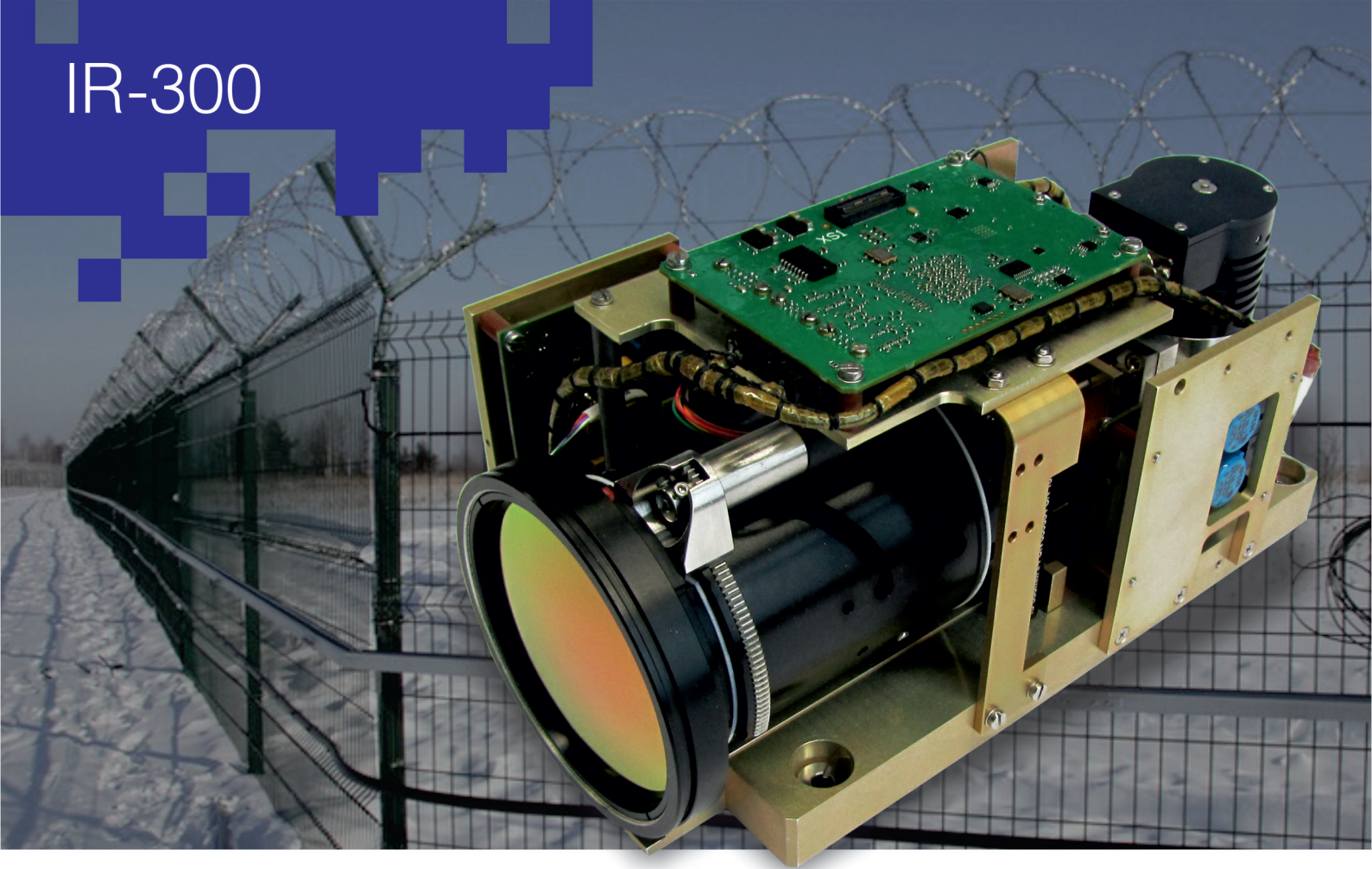# IR-300

MWIR THERMAL CCTV CAMERA IR-300

MWIR CCTV camera is designed for companies – system integrators who manufactures complexes and systems for accident prevention and safety keeping of essential (important) infrastructure objects such as airports, seaports, gas/oil produce plants.
The design and interface solutions of the camera make it easy to integrate it into ready-made security complexes and systems.

Applications

- Security perimeters control systems
- Coastal and border passive surveillance systems
- Surveillance monitoring of airports and seaports systems

Performance characteristics

Parameters	Characteristics
Spectral range	3 ... 5 µm
FPA type	cooled
Resolution	640x512
Pixel size	15 µm
FOV	1,8°x1,44°… 35,1°x28,1°
Frame rate	100 Hz when exposure 1 ms, 60 Hz when exposure 7 ms
NETD	< 25 mK (average on a frame)
Defective pixels	< 0,5 % Maximum def. Pixel size not more than 15
Additional options	■ Auto exposure ■ External synchronization ■ Defective pixel correction ■ Correction of geometric noise (one-point, two-point) ■ Auto contrast ■ Equalization of histogram ■ DDE (Digital Detail Enhancement)
Lens	F/4, zoomed, smooth change of FOV
Focal length	15 - 300 mm
FOV	35,1° x 28,1° (F = 15 mm) 1,8° x 1,44° (F = 300 mm)
Video interface	■ Analog – PAL ■ Digital: FiberChannel, Parallel ■ USB 3.0
Control interface	■ RS-422 ■ FiberChannel ■ USB 3.0
Supply voltage	27 V (19 – 36 V)
Power consumption	< 30 W launching < 20 W at performance
Launching time	< 8 min at room temperature
Environmental temperature	-40 ... +60 °C
Dimensions	105x145x261mm
Weight	2,7 kg

Human: 2,1 km, 3,5 km, 11,3 km
Car: 2,8 km, 4,7 km, 15,3 km

Human dimensions 1,7 m   Car dimensions 2,3 m   Identification   Recognition   Detection

ETG

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