

COMPACTSEC™

Commercial Thermal Security Cameras



Description

The CompactSec™ is a series of thermal imaging commercial cameras. The CompacSec™ cameras provide superb performances. Traditionally used in the past primarily for military security forces, CompacSec™ is now affordable for the civilian security community.

Image Quality and Performances

CompactSec™ cameras are based on Opgal's state of the art uncooled microbolometer image processing technology. With it's new innovative extra sensitive CompactEye™ engine core that is combined with lenses selected for performances, CompactSec™ features incomparable clear and contrasted images.



CompactEye™

Perfect for Commercial Industrial and Residential Applications

- Monitoring dimly lit or unlit entries and exits
- Indoor and outdoor commercial or industrial structures
- Large open areas, Refineries, Canyons
- Residential properties and gated communities
- Banks, Schools, Hospitals

Rigid and Robust

Designed and certified for outdoor applications in all types of weather, IP66 Standard – sealed for humidity, water and dust. The system is protected against electrical disorders currents and spikes.

CompactSec™ Integration Kit

- Integration harness cable
- Operational CD
- Printed User Manual
- Input power adaptor (indoor use)

Different Field of View

CompactSec™ different models offer a variety of FOV to comply with your specific application needs, using different optional athermalized lenses which do not require zoom and focus adjustment.

- CS-8 - 8.5mm – for 65° FOV
- CS-19 - 19mm – for 28° FOV
- CS-35 - 35mm – for 15° FOV

Easy to Install With Different Brackets

CompactSec™ series are industry-standard environmental enclosures, designed especially for easy and simple installation. CompactSec™ offer a Variety of optional brackets that enable common mounts and pedestals.

- Wall Pedestal Mount (Default)
- Ceiling Mount
- Corner / Pole Mount
- PTZ pedestal adapter

Optional Brackets



COMPACTSEC™

Technical data

Features	Description / Performance
Focal Plane Array	Uncooled Microbolometer
Spectral Band	8-14 μm
Number of Pixels	384x288
Analog Video Format	PAL or NTSC (user configurable)
Frame Rate	CCIR (PAL) 25 Hz, RS-170 (NTSC) 30 Hz
Pixel Size	25 μm
Input Power	12 or 24 VDC [± 1] or 24 VAC (user configurable)
Communication	PelcoD over RS 232/ RS 422 (user configurable)
Control Operation	Polarity, NUC, Digital Zoom, Freeze
Power Consumption	2.5 W Regular, 10 W Heaters
Operating Temperature Range	-20°C to +55°C
Dimensions	$\varnothing 112 \times 387\text{mm}$ (L)
Weight	2.1 kg
Certifications	Outdoor IP66 , Shock & Vibration MIL-STD-810E, CE



Image Quality

Light Weight



Bracket

Sun Shiled

IP66

CompactSec™ Models and Performances

CS-8

CompactEye **8.5mm** Athermal
384X288, 25 μ



Human Target
■ Detection: 160m
■ Recognition: 55m



NATO Target
■ Detection: 390m
■ Recognition: 130m

CS-19

CompactEye **19mm** Athermal
384X288, 25 μ



Human Target
■ Detection: 370m
■ Recognition: 120m



NATO Target
■ Detection: 920m
■ Recognition: 310m

CS-35

CompactEye **35mm** Athermal
384X288, 25 μ



Human Target
■ Detection: 650m
■ Recognition: 220m



NATO Target
■ Detection: 1600m
■ Recognition: 540m



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