



HENSOLDT Sparrowhawk

Medium Range Camera for Surveillance Applications

The ITAR free Sparrowhawk is specially designed for observation at medium ranges.

Main Applications and Capabilities

- Improved mission surveillance & intercept capability
- Superior integration capability
- High performance at medium ranges

Benefits

- User-friendly operating system
- Easy integration
- Uncooled system
- Highly mobile

Features

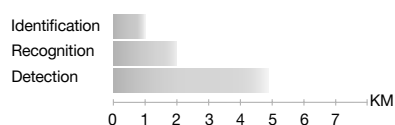
- IP Based
- Standalone or networked
- Easy integration

Sparrowhawk

Optical data			
Product variants	Z: SparrowHawk FF (Fix Focus - Entry Level)		Z:SparrowHawk ZF / ZFL (Zoom Focus with optional Laser - High Performance)
Sensors	Uncooled Thermal Imager		Uncooled Thermal Imager and CMOS colour camera
Uncooled Thermal Imager			
Imaging Sensor	Uncooled micro bolometer		
Spectral range	8 µm to 14 µm		
Resolution	640 px x 480 px		
Focal length	25 mm	35 m	50 mm to 150 mm
NETD	< 50 mK at 30°C, f/1.6		
Field of View (horizontal)	24.8°	17.6°	4.1° to 12.5°
Daylight Camera			
Resolution	1920 x 1080 px (HD)		
Continuous Optical Zoom	30 x		
Continuous Digital Zoom	12 x		
Field of View (horizontal)	2.3° to 60°		
Mechanical data			
Pan and Tilt Platform			
Azimuth Range / Velocity	n x 360° / 160° per sec		
Elevation Range / Velocity	± 90° / 160° per sec		
Weight	appr. 15 kg		appr. 20 kg
Environmental conditions			
Environmental test and EMC			

Thermal Imaging Camera Range Performance*

Human (1.8 x 0.5 m; ΔT = 5K)



DRI according to Johnson Criteria.

Vehicle (2.3 x 2.3 m; ΔT = 2K)

