



## Z: SPARROWHAWK

Medium range camera for surveillance applications

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

The IP-based Z:Sparrowhawk can be operated as a stand-alone or networked camera by means of our Management Software suite Z:ASSESS. It also allows integration into existing legacy operating systems.

### FEATURES & BENEFITS

- Improvement of surveillance/ intercept missions
- User-friendly system operation
- Easy integration
- Uncooled system
- Highly mobile



The **new** Sensor House

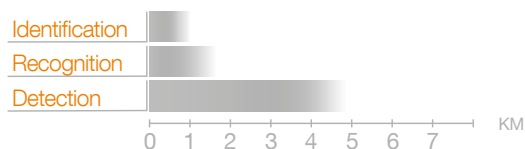
**HENSOLDT**  
Detect and Protect.

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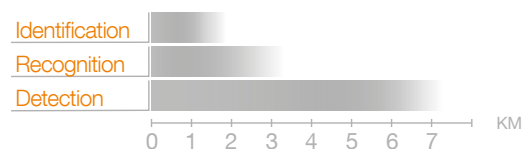
Optical data			
<b>Product variants</b>	<b>Z: SparrowHawk FF (Fix Focus - Entry Level)</b>		<b>Z:SparrowHawk ZF / ZFL (Zoom Focus with optional Laser - High Performance)</b>
Sensors	Uncooled Thermal Imager		Uncooled Thermal Imager and CMOS colour camera
Uncooled Thermal Imager			
Imaging Sensor	Uncooled micro bolometer		
Spectral range	8 $\mu\text{m}$ to 14 $\mu\text{m}$		
Resolution	640 px x 480 px		
Focal length	25 mm	35 mm	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	30x		
Continuous Digital Zoom	12x		
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	$\pm$ 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;  $\Delta T = 5\text{K}$ )



Vehicle (2.3 x 2.3 m;  $\Delta T = 2\text{K}$ )



\*DRI according to Johnson Criteria.