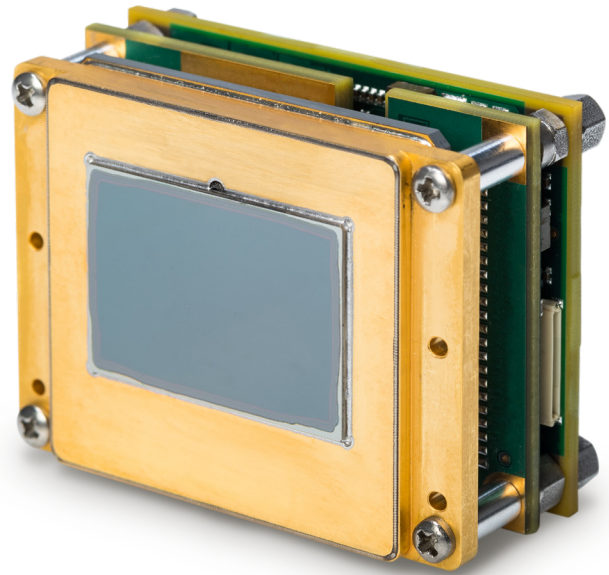


# Athena 1920

Uncompromising performance,  
full high-definition thermal camera core

The Athena 1920 unlocks a new class of 2.3 megapixel, full HD thermal imaging systems.

Designed for demanding applications, the Athena 1920 is an uncompromising engine for high-performance, uncooled thermal imaging, and covers nearly 8X the field-of-view of traditional VGA camera cores. With a 60Hz frame rate, the Athena 1920 core provides phenomenal detail in dynamic scenes leaving motion blur behind.



## Key features and benefits

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HD 1920 x 1200 format delivers unparalleled detail, performance, and full HD field-of-view

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60Hz frame rate delivers exceptional clarity in dynamic scenes

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Proven 12 $\mu$ m pixel technology matured in production over four years

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## Applications

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Security and surveillance

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Force protection

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High-end targeting systems

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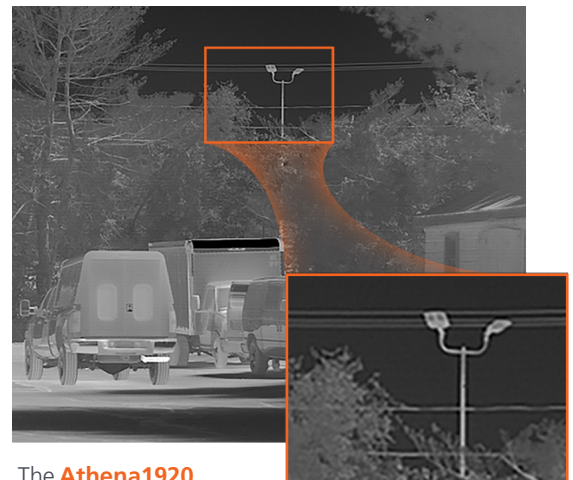
Long-range and/or wide field-of-view solutions

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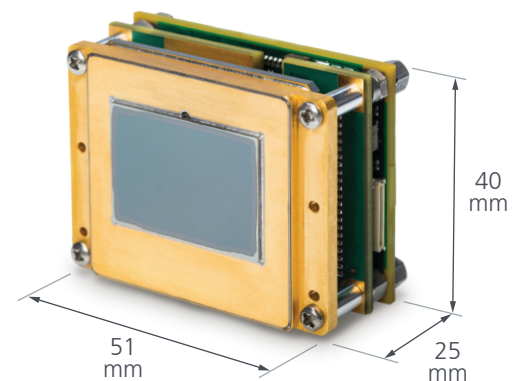
# Unparalleled detail when monitoring complex environments

## Specifications

<b>Detector</b>	
Detector type	Uncooled VOx microbolometer
Noise equivalent temperature difference (NEDT)	50mK at F/1
Spectral response region	7.5 $\mu\text{m}$ – 13.5 $\mu\text{m}$
Array format	1920 x 1200
Pixel pitch	12 $\mu\text{m}$
Frame rate	60 Hz
<b>Video processing</b>	
Output modes	Black hot, white hot
Contrast enhancement	Auto histogram equalization
<b>Video modes</b>	
Digital video	16-bit 12-bit contrast enhanced
<b>Interfaces</b>	
Connector	Hirose DF40 (90-pin)
Video format	16-bit parallel digital, medium cameralink
USB serial communications	Yes
Power	<5 W at 60 Hz
Input voltage	3.3 - 5.0 VDC
<b>Operational</b>	
Operating temperature	-40°C to +65°C
<b>Physical</b>	
Size	40 x 51 x 25 mm
Weight	70 g



The **Athena1920** magnifies a light post with clear detail



### For more information contact:

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