

## New Infrared Camera Products From Electrophysics

[IEW Products List](#) • [IEW Website: www.IRCores.com](#) • [FREE White Paper!](#) Understanding Image Quality • [How Far Can you See?](#) Click here to get your FREE Range Calculator! • [Contact Us](#)

Electrophysics now offers a wide range of thermal infrared camera solutions for detection range applications from 100 meters to 10 kilometers. Choose the level of integration that best meets your needs — from our low cost infrared imaging Eye-R series cores to complete Mil-Spec systems with environmental enclosures. Our knowledgeable staff of infrared camera experts can assist you in determining the most cost effective solution for your most demanding applications. Note that we also offer custom engineered solutions. **Please contact us today** to discuss your current requirements!

### APPLICATIONS

Application	OEM Products	Integrator Products	IR Camera Systems
 Unmanned Vehicles			
 Surveillance			
 Marine Navigation			
 Military Systems			
 Thermography			
 Public Safety			

[back to top](#)

### PRODUCTS

OEM Products	Integrator Products	IR Camera Systems
<b>EYE-R25/640</b> – Miniature uncooled microbolometer camera engines 	<b>EYE-LITE</b> – 320x240 or 640x512 InSb camera with continuous zoom lens 	<b>CARMEL</b> – 320x240 or 640x512 InSb camera with continuous zoom lens in an IP-65 enclosure. 
<b>EYE-Z640</b> – 640x512 InSb camera engine 	<b>ARBEL</b> – 320x240 microbolometer camera with dual field of view lens 	<b>HURRICANE</b> – Low cost 320x240 microbolometer camera with high performance visible camera. Mil-Spec housing 
	<b>GILBOA</b> – 320x240 or 640x480 microbolometer camera with single FOV lens 	<b>CABIR</b> – Low cost microbolometer camera for short range requirements. Outdoor-ready housing 
	<b>MEROH</b> – Miniature 320x240 microbolometer camera with single FOV lens 	<b>CARCOM</b> – Outdoor-rated 320x240 microbolometer camera with a wide selection of lens choices. 
		<b>TAVOR</b> – Military-qualified Driver Vision Enhancement (DVE) system 

[Request your FREE demo today!](#)

[back to top](#)

### NEW WEBSITE LAUNCHED: WWW.IRCORES.COM

Electrophysics has launched a brand new website featuring the new product line.




The Source for Advanced Infrared Cameras and Cores  
SOLUTIONS FOR EVERY APPLICATION AND BUDGET

[Click here to see www.IRCores.com now!](#)


[back to top](#)

### COMPLIMENTARY DOWNLOADS



**White Paper: Understanding Infrared Camera Thermal Image Quality**

This paper's objective is to help you simplify your understanding of how image quality is determined. Covered are three topics that directly influence thermal image quality: pixel resolution, thermal sensitivity, and non-uniformity correction. A number of related topics are discussed as well.

 [Click here to download!](#)

Camera Selection			
Camera	Model	Orion 83058	
Pixel pitch (µm)	H (µm)	30.00	
	V (µm)	30.00	
Number of Pixels	H-pixels	256.00	
	V-pixels	256.00	
Detector Size (mm)	H-size	7.7	
	V-size	7.7	

Field of View			
Lens focal length	mm	25	
Field of View (FOV) (degrees)*	H-FOV	17.5	
	V-FOV	17.5	
	D-FOV	24.5	
Pixel Field of View (IFOV) (mrad)	H-IFOV	1.20	
	V-IFOV	1.20	

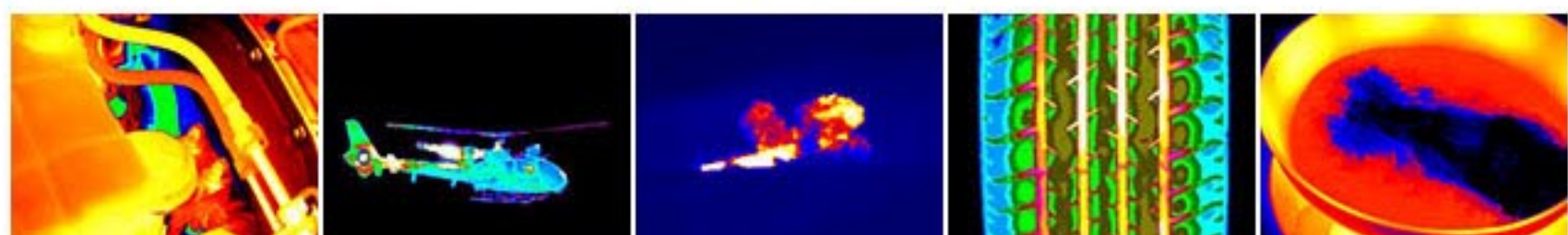
**How Far Can You See? Infrared Imaging Range Calculator**

Determine the optimum camera and lens combination for your application. Select from a range of infrared cameras characterized by pixel pitch (e.g. 15µm), array size (e.g. 640x512) and objective lens focal length.

[Click here to try the Calculator!](#)

#### Other Links

- [Scientific Imaging Products](#)
- [Product Selection Guide](#)
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[back to top](#)