

## PRODUCT DATA SHEET

# MARSEYE 110



### OVERVIEW:

The MARSEye110 is an advanced 2-axis gimbal surveillance system engineered for seamless integration with unmanned aerial vehicles (UAVs). Equipped with a high-performance 30x electro-optical (EO) camera, a 3x long-wave infrared (LWIR) camera, and a laser rangefinder, it is the perfect solution for border security, public safety, infrastructure inspection, and environmental monitoring.



**Direct Drive  
Architecture**



**1080P HD  
Digital Video**



**Environmentally  
Sealed**



**Laser  
Rangefinder**



**Visible And  
Thermal Cameras**



**Ethernet  
Interface**



**ITAR FREE**



**METADATA**

# SPECIFICATIONS:

Input Voltage		48V	
Average Power		15W	
Peak Power		75W	
Electro-Optical sensor		Thermal Imager	
resolution	1920×1080p	Type	LWIR 640x512P
HFOV	61.5° (Wide) to 2.3° (Tele).	Thermal Imager FOV	6.2° (H), 4.6°(V)
Max Optical Zoom	30X	Thermal Imager lens	75mm F1.0
Update rate of deviation pixel	30Hz	Update rate of deviation pixel	30Hz
Defog	Yes (low / mid / high)	Detective Distance (Man: 1.8x0.5m)	2610 m
Aperture control	16 steps	Recognize Distance (Man: 1.8x0.5m)	653 m
Minimum object size	16*16 pixel	Verified Distance (Man: 1.8x0.5m)	408 m
Maximum object size	256*256 pixel	Detective Distance (Car: 4.2x1.8m)	6708 m
Tracking speed	±48 pixel/frame	Recognize Distance (Car: 4.2x1.8m)	1677 m
Object memory time	100 frames	Verified Distance (Car: 4.2x1.8m)	1048 m
Laser Rangefinder		3Km	
Encoder resolution		0.02°	
Size		160mm x 250mm	
Weight		1.7 Kg	