



Ulysses HD

High-resolution marine night vision camera

Building upon the proven Ulysses platform, the Ulysses HD marine night vision camera is the ultimate tool for maritime navigation and security. This feature-packed gyro-stabilized camera system offers the sharpest infrared imaging for your vessel. Not only is the visible light camera 4K capable, ultra-sharp thermal image is provided by not one, but DUAL 1280×1024 pixel LWIR FPAs! The dual HD infrared sensor configuration offers incredible long-range details and wide-angle coverage for enhanced situational awareness without the need for inefficient optical zoom optics.



Day/Night



2 Axis
Stabilization



12x
Hyperzoom



Dual HD
Thermal Sensor



4K Color
Camera



Video
Tracker

Triple Payload Day and Night Thermal Camera

Around-the-clock imaging capability to enhance operational safety and situational awareness.

- ▶ High-resolution 1280 x 1024 thermal sensor
- ▶ High-performance 4K capable, day and low-light CMOS camera
- ▶ Smooth images, real-time awareness, and quick response
- ▶ Gyro-stabilized for steady viewing in rolling seas
- ▶ Wide display interfacing options
- ▶ Advanced MFD/mobile app touch-screen control
- ▶ Radar Slave and other advanced network functions
- ▶ Full IP network camera

**2.6 million
Thermal Pixels!**

Full Network Compatibility.

The Ulysses HD is fully network-compatible. The single cable connection to the camera is capable of full Gigabit Ethernet communication and still transmits up to 100W of power for the heater, ensuring the camera continues to work in tough icing conditions.

Seamless Integration

Extensive capabilities for seamless integration of modern video functionalities, encompassing local and remote network video monitoring, recording, and camera control. The Ulysses HD is also designed to be integrated with onboard GPS, AIS, and radar, offering enhanced features that aid navigation and improve safety.

High-speed Video Tracker

The inboard video tracker makes observing the target of interest easy on all video channels. This video tracker is likely the fastest and most advanced tracker available in civilian-used marine products.



The Ulysses HD leads in the class of LWIR marine night vision camera systems. The only choice for demanding vessel owners.

Specifications		
General	Thermal Camera	Color Camera
Sensor Type	Dual 1280 x 1024 12µm uncooled microbolometer	8.5MP CMOS
Field of View	34.2° x 19.6° to 14.6° x 8.2°	Wide 30° x 17° to effective tele 2.6° x 1.5°
Focal Length	25mm to 60mm	Effective focal length 9.8mm to 117.6mm
Zoom	0.9 to 2X, digital 8X	12X HyperZoom / E-zoom 48X
System Specifications		
Pan / Tilt Coverage	Pan: Continuous 360° Tilt: 90°, -20°	
Gyro Stabilisation	Yes	
Video Output	NSTC or PAL, HDMI, IP video	
Power Consumption	24V Without heater : <50W With heater, without AUX power : <100W With heater, with AUX power : <150W	
Environmental		
Operating Temperature Range	-13°F to 131°F	
Storage Temperature Range	-22°F to 158°F	
Encapsulation	IPX6	
EMI / Salt Mist / Vibration	IEC60945	
Wind	115mph / 100kn	
Range Performance		
Detect Man (1.8m x 0.5m / 5.9 ft x 1.6 ft)	Up to 2250m / 1.4mi	
Small Vessel (4m x 1.5m / 13 ft X 4.9 ft)	Up to 5000m / 3.1mi	
Dimensions		
Size	8.3" X 15.1"	
Weight	≤ 21.8 lb	

Note: 1. Due to our policy of continual improvement, specifications may change without prior notice.
2. System must not be used in replacement of human observation.



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