# EOS-ZS20 Multi-Sensor Thermal Camera with Gyroscopic Image and Video Stabilization, Ship-Mounted

The EOS-ZS20GIS lightweight multi-band photoelectric platform is the result of independent research and development by HP. It is a long-range photoelectric detection system specially designed for use on ships and vehicles. It features high wind resistance and outstanding performance. Multispectral detection modules such as high-definition visible light cameras, cooled infrared thermal imaging cameras and laser rangefinder modules can be integrated, and laser illumination modules can be swapped as needed, enabling target detection, positioning, tracking, identification and traceability in all weather conditions, at any time and across all dimensions.

The ZS20 embedded multi-sensor camera combines an HD visible light camera, an uncooled thermal imaging camera, a laser rangefinder, automatic target tracking, gyro stabilization, intelligent analysis and precise electronic control. It is designed for embedded video acquisition, marine surface surveillance, key target alerting, radar networking and other long-range detection applications. The system enables target discovery, positioning, tracking, identification and tracking under all weather conditions, at any time and across all dimensions. The minimum detection range for small vessels can be up to 8 km.

The military-grade housing is manufactured from high-strength aluminum alloy. The spherical, low-wind-resistance design provides high wind resistance with minimal vibration. Thanks to the double-layer internal and external "triple protection" technology and nitrogen-filled vacuum sealing technology, the overall protection rating of the unit reaches IP66. A dedicated salt-fog protection design further achieves a C5-M protection level, effectively ensuring the stable and long-lasting operation of the equipment under the harsh conditions of the marine environment.

## Features ·

Wide detection spectrum

Blind-spot-free detection and full-dimension coverage

High control precision

Excellent tracking performance

High stability through integrated gyroscope

High degree of intelligence

Strong environmental adaptability