

TowerCam

Long-range 360° 5-D IR + Radar + AI

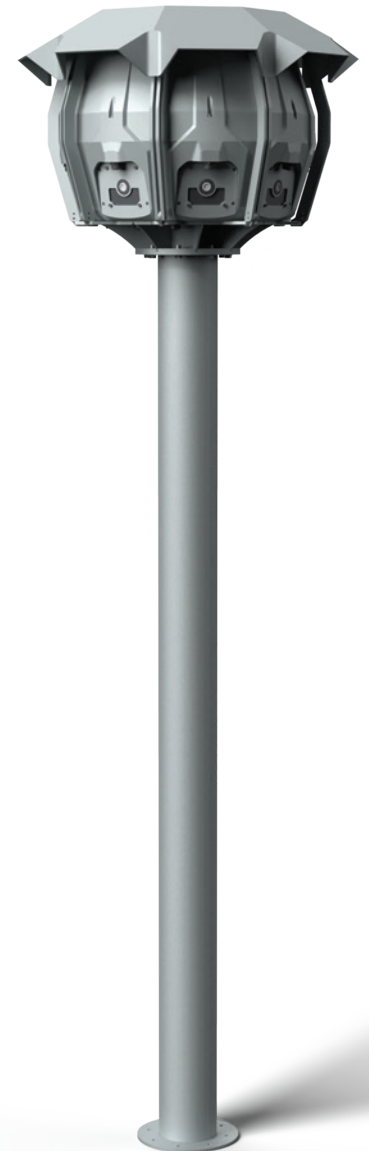
THROUGH THE LOOKING GLASS

Experience the fusion of IR imaging, radar, and AI for long-range, 360°, 5-dimensional coverage.

Designed with ships, workboats, and superyachts in mind—this multi-sensor tower creates a secure communication network of electronic intelligence allowing users to perceive, interpret, and act on hazards before danger gets close.

The TowerCam's wave radar system is continuously seeking hazards to determine their distance and speed of travel. Combined with IR day & night vision plus AI, the TowerCam provides situational analytics, escalating relevant events and alerts through your MFD or onboard displays for streamlined, time-sensitive monitoring.

The resilient TowerCam delivers superhuman surveillance and split-second action in the most challenging environments.



CAMERAS (x8)

- 4K Color Starlight Sensor
- 15 / 30 / 60 FPS
- 10m to 500m visibility during day and night
- AutoFocus, AutoExposure, AutoWhite Balance
- Inbuilt High power IR LED Array for uniform night light

INTEGRATED AI EDGE

- Multicore CPU, GPU and Encoder
- 8 GB RAM / 256 GB SSD for local store
- Inbuilt Gigabit Ethernet Switch
- MCU to control all internal assets
- USB / RJ45 / HDMI and other interfaces

COMMUNICATION

- 4G GPRS Module
- RJ45 to Internet
- Optional LORA
- Wi-Fi for local backups
- Bluetooth for local configuration

INPUT 1500W THROUGH 24V DC

- AC Input of 110-240 V with protection
- Backup Power Options:
 - Inbuilt 0.05 KVA UPS with 1 hour backup for camera
 - Inbuilt 0.1 KVA UPS with 1 hour backup for AI unit
 - Inbuilt 2 KVA UPS with 4 hours backup for cameras and AI unit

FIRMWARE FOR ENHANCED IMAGE

- Integrated video stabilization
- Inbuilt HDR for bright / dark contrast reduction
- Multimode imaging
 - Visible light in day
 - IR light at night
 - IR + Visible at night
- Multi-resolution streaming support in each camera

AI SOFTWARE

- People Analytics
- Vessel Analytics
- Situational Awareness

ALARMS

- Collision Avoidance
- Virtual Security Perimeter

OTHER FEATURES

- GPS Module
- Optional Solar Panel / 48V System

PHYSICAL SPECS

- Fully loaded system weight - 33kg
- Only the case weight - 19.5kg
- Height of the system is 304.5
- Overall diameter of the device - 560mm

Disclaimer: To ensure we're always bringing you the best possible products, we reserve the right to update or modify their features and/or designs as we continue to improve and innovate.

**SIM card and data plan needed for remote connectivity, automatic system updates, and video upload to the cloud*

**Requires professional installation*



IR Night Vision

Pinpoint markers and threats in the dark



Artificial Intelligence

Detect, identify, classify, track and range hazards on the move



Foolproof Recording

Capture and store on-device



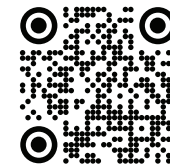
Weather-Safe Cameras

Use in rain, fog, sun, dust, hail, and snow

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Scan for full specs and to learn more about how you can harness the power of AI integrated with advanced day & night vision technology to enhance your vessels with the next generation of smarter navigation and intelligent vision systems.