



N e w s R e l e a s e

For immediate release

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Iris Innovations launches next generation marine night vision CCTV camera

Iris Innovations, a world leader in specialist marine camera technology, has announced the launch of Photon, a compact ultra low-light 4K night vision camera designed to make safe nighttime navigation accessible to every boater.

Whether cruising after dusk, fishing before sunrise or patrolling remote coastlines, Photon delivers exceptional clarity and full-colour imagery in near-total darkness – all without the need for infrared or thermal imaging.

With an incredible minimum illumination of just 0.0003 lux (extremely high sensitivity to low light), the camera captures detailed, full-colour video even under starlight conditions. Combined with best-in-class ultra-high-definition 4K resolution and a highly competitive price tag, Photon sets a new benchmark for performance and value in marine imaging.

“Photon is for anyone who wants to navigate with confidence after dark and can be used on any vessel: from leisure and sports fishing boats to yachts, commercial operators and law enforcement patrol craft,” says Carl Hitchcock, CEO of Iris Innovations.

“It delivers extraordinary low-light performance at a fraction of the cost of thermal and other night vision cameras, and because it’s 4K, the detail and definition are outstanding. We’ve designed it to work seamlessly with leading marine electronics systems, so it’s ready for any boat.”

Built for the demands of the marine environment, Photon is fully EN60945 EMC compliant and rated to IP67, ensuring long-lasting performance in saltwater and harsh weather. Power over Ethernet (PoE) connectivity simplifies installation, while an included rugged, waterproof PoE injector makes setup quick and reliable.

Compatible with major navigation systems including Raymarine, Navico (Simrad, B&G, Lowrance), Furuno and Garmin (via Iris’s CMAC management system and IrisControl App for Garmin OneHelm), Photon integrates effortlessly into modern helm displays.



Unlike thermal cameras, which can struggle in low thermal contrast conditions, Photon excels in real-world environments, maintaining exceptional visibility and situational awareness.

“We’ve always focused on designing rugged, purpose-built cameras for demanding marine and commercial applications,” adds Hitchcock. “With Photon, we’ve taken that expertise and combined it with cutting-edge low-light and 4K processing technology to deliver a camera that performs brilliantly at a price point that puts it within reach for all boat owners and operators.”

Iris Innovations will be launching its Photon camera at Metstrade 2025 in Amsterdam this November. Retailing at just £995 / €1145, the Photon will be available worldwide through Iris Innovations’ global dealer network from the end of November and is available with a standard 12mm lens for viewing at distance, and a 2.8mm super wide-angle lens option for rear view, side view and backup applications.

For more information on Iris Innovations and its range of high-performance cameras, visit www.boat-cameras.com or email sales@boat-cameras.com

ENDS

Notes for editors:

Iris Innovations

- Established in 2003, Iris Innovations manufactures and supplies a range of rugged camera equipment specially designed for harsh applications and environments, such as the marine industry, emergency services USV’s and UAVs.
- The company offers a range of purpose-built cameras, switchers and ancillary equipment.
- Best known for cost-effective Thermal Imaging Night Vision devices.
- Iris Innovations headquarters are based in the UK and sells its products through an established network of marine electronics dealers and distributors.
- From purpose-built digital video recorders to wireless roaming cameras, Iris’ products are used by marine professionals, military and emergency service personnel and boat owners across the globe.
- For more information visit www.boat-cameras.com



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