

Specifications

Thanks to ultra-high sensitivity of ISO 409600, Our camera features top levels of minimum illumination of less than 0.004 lx - to capture exceptionally detailed 4k/30 fps colour video, even at night and in similar extreme lighting environments.

Our camera achieves this illumination by using its highly-sensitive 35 mm full-frame Exmor sensor, optimized E mount lenses to maximize the performance of the sensor, and its signal processing engine. This enables the camera to capture crisp, clear 4K/30 fps colour video with much less noise in extreme low-light conditions.

The new camera enables smooth 4K/30 fps colour video in almost pitch-black conditions such as night-time starlight when it is a challenge for the human eye to see the object.

Also, the camera captures blur-less images with high-speed electronic shutter so that it gives users ability to track objects and signals into sea and rivers with poorly-lit conditions

Our Intelligent Cropping gives a wide area situational overview of the whole scene and a closer view of specific areas of interest at the same time, so Boats Captains can see the whole scene with Full HD resolution.

Specifications

Camera

- | | |
|--------------------------------------|-------------------------------------|
| – Image Sensor | 35mm full frame Exmor CMOS sensor |
| – Number of Effective Pixels Approx. | 12.2 Megap ixels |
| – Minimum Illumination (30 IRE) | 0.004 lx (ISO409,600, 1/30 s, F1.4) |
| – Intelligent Cropping | 3 x 1920x1080 |
| – Multi streaming | Yes |

Screen

- | | |
|---------------------|--------------------------|
| – Screen Size | 12.1" |
| – Type of Backlight | TFT-LCD |
| – Screen Resolution | 4240x2832 and 1024 x 768 |
| – Display Ratio | 4:3 |
| – Contrast Ratio | 700:1, 800:1 |
| – Brightness | 500 nit, Optional High |

| | |
|--------------------------------|-----------------------------------|
| – Viewing Angle | 160 H /140 V |
| – Number of | 16.2M |
| – Operating Temperature | 0° to 50° C or 32° to 122° F |
| – Storage Temperature | -20° to 60° C or -4°to 140° F |
| – Humidity Range Condensing | 10% to 90% @ 40° C or 104° F Non- |
| – Bezzel | IP66 |
| – Material | Aluminum |

Housing

- Maximum operating temperature up to 167° F (75° C)
- Virtually indestructible Polycarbonate Thermal Plastic alloy material
- Integrated Dual Layer (Foil/Foam) Internal thermo-blanket protects electronics from solar-heat and UV Rays to reduce solar-loading and protects from cold weather conditions, creating a stable internal camera environment
- Includes heavy-duty “Strong-Arm” mount, for quick and secure installation
- Housing is IP66 rated: airtight and sealed against outside air, dust, insects, water/ salt water and other conditions