

Low Lux Night Vision Cameras

Added Safety • Affordable • Portable • Rugged

The new Low Lux Night Vision cameras are safety-devices; an enhancement to a boat's radar that provides a clearer image of the waterway around a boat operating at night or in lower light conditions, particularly in a crowded harbor or marina.



Permanent / Portable Camera

Measuring 6 in. in length and 3.5 in. in diameter, the camera is small enough to be stored after usage to prevent theft.

Make this camera a permanent fixture or convert to a portable mount with the use of the optional vacuum mount.



Pan and Tilt Camera

Fully contained unit has a rugged remote control operating system to withstand the harsh marine environment. Wireless Pan and Tilt remote included.



Pop-Up Deck Mount Camera

Flush mounted stainless steel housing
Specifically designed for "go fast boat" applications
Deck camera can be opened with a flip of a switch.

Comes with a water cup to divert water in to the bilge.

Visit www.livorsi.com/video/popup_deck_cam.MOV
to view the Pop-Up Deck Mount Camera in action.

Portable Mount • Pan and Tilt • Pop-Up Deck Mount
all use the same powerful camera and lense.

BEFORE



AFTER



The days of trying to beat the sunset are over. These cameras can be used as a stand alone device or an enhancement to radar.

- Minimum light requirement is .0003 lux (Lux is a measure of light intensity), this means that ample lighting is almost always available, such as from moonlight or shore light.
- Allows visibility generally to 1 mile
- 25 millimeter lense- approximatley 14° viewing angle
- Other lense options are available
- Functions in daylight- produces excellent black and white picture, with no adverse effects from light bursts
- No software or components to calibrate, truly a plug and play system
- Uses any standard RCA video output such as Garmin, Lowrance or Raymarine
- Record video with optional DVR

| Low Lux Night Vision Cameras Portable, Pan and Tilt and Pop-Up Deck Mount Cameras | |
|--|--|
| Pick-up element | ½" interline transfer CCD image sensor |
| Number of total pixels | 811(H) x 508(V)(EIA) 795(H) x 582(V)(CCIR) |
| Number of effective pixels | 768(H) x 494(V)(EIA) 752(H) x 582(V)(CCIR) |
| Unit cell size | 8.4 um(H) x 9.8um(V)(EIA) 8.6um(H) x 8.3um(V)(CCIR) |
| Shutter speeds (EIA) | EI: 1/60 sec. – 1/100,000 sec. FL: 1/100 sec. OFF: 1/60 sec. |
| Shutter speeds (CCIR) | EI: 1/50 sec. – 1/100,000 sec. FL: 1/120 sec. OFF: 1/50 sec. |
| Minimum illumination | 0.0003 lux F/1.4 (AGC HI) |
| Synchronizing system | Internal sync. |
| Video output | 1Vp-p, 75 ohms, unbalanced |
| Resolution(H) | 570TVL (Center) |
| S/N ratio | 46dB (AGC OFF) |
| AGC | Hi: 5-50dB, LO: 5-32dB |
| Back light compensation | ON (Center + lower) |
| Gamma correction | 0.45 |
| Power supply | DC12V+/-10% |
| Current | 160mA |
| Operating temperature | -10°C to +40°C 14°F to 140°F |
| Storage temperature | -30°C to +70°C -22°F to 158°F |
| Additional Portable Camera SPECIFICATIONS | |
| Dimensions | Approx. 6" x 3" |
| Weight | Approx. 1½ pounds |
| Additional Pan and Tilt Camera SPECIFICATIONS | |
| Pan and Tilt | 370° rotation and 135° tilt |
| Motor | Integrated 12V DC high-torque motors |
| Environment | Weatherproof housing and remote transmitters |
| Additional Pop-Up Deck Mount SPECIFICATIONS | |
| Video | NTSC, RS-170 format |
| Housing | Polished stainless steel |
| Environment | Sealed, backfilled with inert gas to meet IP67 rating |
| Dimensions | 7½"(L) x 3-7/8"(W) x 2-5/8"(D) |

