

ComNav®

New

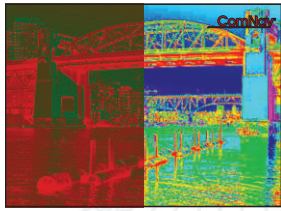


V7 Gyro Stabilized Night Vision Camera

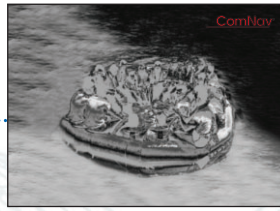
Ultra low Light Clear Image

- Ultra-High-Performance Gyro Stabilized Thermal Camera
- 40X Zoom (20X Optical Zoom: 20X Ultra Digital Zoom)
- DSP (Video grapping, recording, multi-view real time, PIP, Computer optimized for long range; enhanced contrast
- Search & Rescue, law enforcement and ice detection applications
- Objects seen through thick fog and smoke
- Ultra-low lowlight color camera with optical zoom
- Broadcast quality video output
- Radar slaving option
- Parallel view function
- Crystal clear thermal images in many different color schemes
- Continuous Pan 360° and Tilt 360° provides seamless view coverage
- 30Hz frame rate and 1000-line resolution gives unmatched clarity
- DVI, VGA, HDMI, Composite analog video output
- Marineized housing withstands the harshest conditions, ultra-strength lightweight aluminum alloy body, deep anodized surface treatment
- IP network control interface capability (optional)
- 3-Axis Joystick control plus proportional touch joystick
- NMEA 0183 Serial Communications for radar tracking and heading, etc.
- CE certified and RoHs compliant
- 2-year warranty, 3-year registration option





Easy Navigation – Various Colors
Assists by enhanced visual capability in darkest environments, allows for increased manoeuvring when twilight docking; long range distance awareness in low light conditions;



Man Overboard Rescue
Can assist with faster response times in man overboard search and rescue applications;



Security
Helps to identify and track vessels or objects on perimeter security; collision avoidance; vessel and crew protection;



Situational Awareness
Anti-piracy security tool; allows for comprehensive multi-zone monitoring, long range viewing and greater night vision; iceberg detection; fire detection;

Thermal Imaging Performance:

Sensor Type: Silicon CMOS Advanced Technology Chip
307200 pixels
17 um pitch technology NETD = 40 mK @
Broadband > 7 um w light amplification

Field of View: 20" x 18" to 5" x 3 5" Ultra Digital e-zoom

Focal Length: 35 mm ATHERMALIZED ILDC-Ultra Diamont
Surface Treatment

E-Zoom: Continuous e-zoom 1x to 4x

Image Processing: DSP /video grabbing, recording, multi-view
real time, PIP, computer graph)

Daylight Imaging Specifications

Detector Type: Ultra low light Long range color camera
- Superchip II SSNR

Resolution: 1000 line resolution

Minimum Illumination: >0.01 LUX fixed colour mode

Zoom: 40 x (20 x optical zoom: 20 x ultra digital
e-zoom)

Focal Length: From 12 mm

Field of View: 40" to 1.5"

System Specifications:

Video Tracking: Optional Features

Pan/Tilt Coverage: Ultra High Response Gyro - 360 degree
Continuous Pan, 360 deg Tilt - Ultra High
Performance Complete Stabilization System

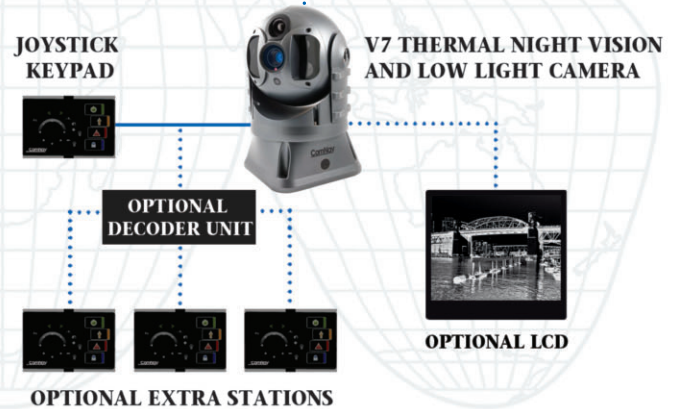
Integration Options: IP control by APP remote controller (option)
Integration with industry standard multi-
navigation displays optional converter interfaces
NMEA 0183 serial communications for radar
tracking, gyrocompass communication, etc.
ComNav GNSS Rate Compass option

Environmental:

Operating Temp Range: -20° to 55° Celsius

Storage Temp Range: -50° to 80° Celsius

Auto Window Defrost: Self cleaning windows, w electron beam
surface treatment

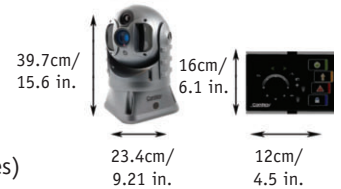


Dimensions:

Camera: 180 x 180 x 310 mm

Weight: 4.9 kg

Joystick Keypad:
16cm (6.1 inches) x 12cm (4.5 inches)



Additional Features:

- Multiple Thermal Display Modes
- Multi-protocol decoder: PELCO-P/D, RS422
- Power-off memory function and programmable home position
- On Screen Display password protection
- Auto internal heater for cold temperatures
- Extra remote station capability
- Accurate on screen heading information via NMEA0183/NMEA2000 interface to vessels compass
- Radar tracking and target tracking (optional)

Other:

Camera head, joystick, cables, & manual
2-year / 3-year registration option



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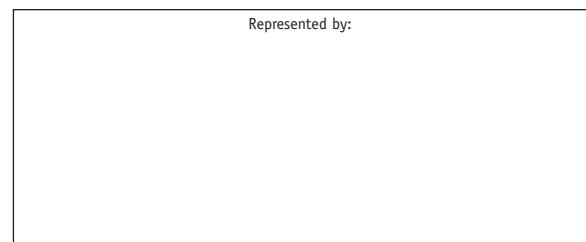
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Specifications subject to change without notice

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