

APOLLO 2 Xi FURUNO SERIES

**Night-Vision Dual-Camera Thermal
& Ultra-Low-Light System That
Integrates With Furuno NAVnet 3D**

Furuno NavNet Control Features

The Apollo 2 Xi was designed to be controlled by the Furuno NAVnet 3D navigation system. It is a Thermal Camera and Low-Light Camera in one unit, two cameras in one. This model is integrated to be controlled by the Furuno NavNet 3D. With its continuous 360 degree pan and tilt, the Apollo 2 enables its user full perimeter viewing in any light condition. Simple Ethernet installation completes the package. The Apollo 2 Xi Furuno is also available in Thermal only (Apollo 2 Xi TH), Low-Light only (Apollo 2 Xi LL) and HD 640x480 (Apollo 2 Xi HD).

All OceanView Apollo 2 Xi models are integrated to be controlled by the Furuno NavNet 3D Black Box controller and the NavNet 3D 8.4" and 12.1" MFD's. The NavNet 3D controls the Pan, Tilt and Zoom.



Optional On-Screen Controller available. This allows additional viewing and camera control from anywhere on your boat.



IDEAL FOR:

- Sport-Fisherman
- Expedition Yachts
- Mega Yachts
- Center Consoles
- Commercial Vessels
- Law Enforcement
- Fire Boats
- Military Vessels



OceanView Technologies, Inc.

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APOLLO 2 Xi FURUNO SERIES

SPECIFICATIONS

Thermal Imager Specifications

Resolution:	320x240 or 640x480 (HD Model)
Detector Type:	Uncooled Microbolometer
Spectral Response:	7 to 14um
Field of View:	36°
Zoom:	2x or 4x (HD Model) Digital
Video Output:	NTSC (PAL Optional)
Frame Rate:	30Hz Standard, 9Hz (Intl)
Human Detection Range:	1,200' (365m) or 2,000' (609m) HD

Ultra Low Light Imager

Resolution:	570 Lines
Picture Element:	379K Pixels
Scanning Rate:	2:1 Interlaced
Minimum Scene Illumination:	0.00015 Lux
Lens (Focal Length):	25mm
Field of View:	15°

Product Specifications

Camera Size:	9.0" w x 8.0" h x 9.0" d (22.9cm w x 20.3cm h x 22.9cm d)
Weight:	7.5lbs (3.4kg)
Material:	Corrosion resistant aluminum alloy
Color:	Marine White
Voltage:	9-32 VDC
Power Draw:	7 watts, 0.4 amps at 24 volts or 0.8 amps at 12 volts
Operation Temp:	10° to 122°F (-12° to 50°C)
Environmental Enclosure:	IP67 Rated
Tilt Angle:	10° up & 17° down
Tilt Speed:	7° per second
Pan:	360° continuous
Pan Speed:	Fast 28°/sec & slow 15°/sec
Swept Volume:	12" diameter x 8.5" tall (30.48cm dia. X 21.59cm tall)
Max Control and Video Cable Length:	100' (33m)
Network Cable to Furuno Controller:	328' (100m)
Operation:	Furuno NavNET 3D
Control Stations:	Maximum of 20

Camera Control Unit Specifications

Dimensions:	6.75" w x 2.75" h x 2.0" d (17.145cm w X 6.985cm h x 5.08cm d)
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Apollo 2 Xi Furuno Series Product Features

- The cameras are controlled by the Furuno NavNET 3D
- Constructed of marine grade aluminum
- On-Screen direction indicator
- IP Control and viewing
- Dual camera configuration - featuring simultaneously viewable independent Infra-Red Thermal & Ultra-Low-Light Imaging Sensors
- The Thermal Imager allows for safe operation in total darkness
- The Low-Light 0.00015 Lux, camera amplifies even barely discernible light to render a crisp detailed picture in any low-light condition
- Pan, Tilt and 2x Digital Zoom (or 4x with HD model)
- Low profile, classic, ergonomic design
- Sealed and heated camera enclosure withstands the harshest environments
- Saltwater & corrosion resistant construction with rugged triple-primed marine grade aluminum housing
- The Apollo 2 Xi Furuno Series is simple to use and requires no training.
- 3 Year Warranty



Apollo 2 Xi Furuno Series High Definition HD

With the same features as the standard Apollo 2 Xi Furuno camera, the HD model upgrades the thermal camera in the unit to 640x480. This provides 4 times the resolution than the standard Apollo 2 Xi allowing the sharpest thermal image available. It increases the human detection range from approximately 1,200' (365m) to approximately 2,000' (609m); depending on conditions.

Apollo 2 Xi Furuno Series Thermal TH

This camera is the thermal model of the Apollo 2 Xi Furuno Series camera. The **OceanView Apollo 2 Xi Furuno Series TH** camera incorporates a thermal imager with a 2x digital zoom, an on-screen camera direction indicator and five choices of color pallets in which to view the image.

Apollo 2 Xi Furuno Series Low-Light LL

The **Apollo 2 Xi Furuno Series LL** is the Low-Light model of the Apollo 2 Xi Furuno Series camera. The **Apollo 2 Xi Furuno Series LL** uses ultra low-light technology discernible down to 0.00015 lux.

By separating our thermal and low-light technology into two different, dedicated products, we can offer each one as a more economical package. Now consumers who do not require both functions can choose the feature they need. The **Apollo 2 Xi Furuno Series** combined low-light, thermal camera is available for consumers who want a camera with both capabilities.

About OceanView

OceanView Technologies, the world leader in night vision technology manufactures marine electronics for many of the world's finest vessels.

OceanView camera systems may be controlled by the U.S. Government for export purposes. They may not be exported or re-exported without first consulting relevant U.S. Export Administration Regulations or International Traffic in Arms Regulations and obtaining the proper USG approvals. They may not be used in the design, development, production or use of nuclear, chemical or biological weapons or missiles. Contact OceanView Technologies Inc. for more information.



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