

SIONYX

DIGITAL NIGHT VISION

See obstacles small, large
and unbelievable

NIGHTWAVE®



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Sam Allen Wholesale

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SIONYX NIGHTWAVE®

NEW RELEASE!

About Sionyx Nightwave

The Nightwave is an ultra low-light camera built around SIONYX's patented Black Silicon CMOS sensor. With flexible mounting options and easy setup, Nightwave can seamlessly integrate with major brand MFDs via the analogue video output, displaying clear colour digital night vision.

Designed to give both professional mariners and everyday boaties the ability to spot hazards and debris in moonless starlight without white light or expensive thermal cameras. The Nightwave will help mariners in boats small and large to navigate safely, avoiding collisions, and maximising time on the water. With IP67 rating, you can feel safe knowing that your camera can get wet.

With the SIONYX Nightwave, you will be able to spot a man-sized object from 150m away*. The 44° field of view increases situational awareness so you can spot unexpected markers, vessels, land formations and more. IP67 rated, submersible to 1 metre for 30 minutes, you can safely use Nightwave in inclement weather conditions.

MFD Compatibility

The SIONYX Nightwave is compatible with major brand MFDs. In most cases, your MFD must have an analogue video input to receive and display the video feed from Nightwave. Additionally, HDMI inputs can be used in conjunction with an RCA to HDMI converter.



Scan the QR code to see the MFD Compatibility range - If it's not listed please send the MFD model number to sales@samallen.com.au to confirm the MFD compatibility.

Behind The Lens

The SIONYX XQE-1350 image sensor features unmatched ultra low light imaging technology and breakthrough sensitivity in the 800nm - 1,100nm range. This sensor enables digital fusion capability, high QE detection for instrument-industrial vision, and all use cases of traditional I2 tube-based night vision. You won't miss a thing with the 30Hz frame rate, 1280 x 1024 resolution and a 44° field of view.

Mounting Options

The Nightwave can be permanently mounted to a flat surface either ball up or ball down depending on the install. A mounting template and mounting hardware are included in the box to help make installation as simple as possible.

Once mounted the Nightwave camera features manual vertical tilt adjustment.



Nightwave Spec Video



Power & Video Output Options

Powering the Nightwave with 12V DC and using the analogue video output is the preferred method for integration with onboard electronics (The preferred video output must be selected using the Sionyx App).

If you wish to power the Nightwave via USB through a PC/laptop, the analogue video output option will not be available.

Power Options	Wifi Streaming	USB Video Out	Analogue Video Out
12V DC	Yes	No	Yes
USB	Yes*	Yes**	No

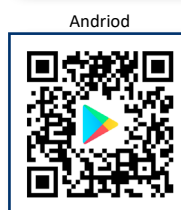
When The Nightwave Is Powered with 12V DC Using Factory-Installed Cable

- WiFi live video streaming is available via the SIONYX App
- USB video output is not available
- Analogue video output is available via the SMA/BNC/RCA connector on the factory-installed cable

When The Nightwave Is Powered with USB (5V DC) Using The Provided USB Cable

- WiFi live video streaming is available when selected in the SIONYX App (*If WiFi video is selected via the App, USB video will NOT be available)
- USB video out can be used when the camera is plugged into a host device (**If USB video is selected via the App, WiFi video streaming will NOT be available)
- Analogue video output is not available in this mode

Download The Sionyx Mobile App



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With Nightwave



Without Nightwave

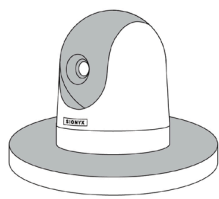


Kits Include:

- SIONYX Nightwave Ultra Low-Light Marine Camera
- Analogue Video Cable [5M]
- SMA to BNC adapter
- BNC to RCA adapter
- Power Fuse & Fuse Holder
- Digital Video Cable USB [3M]
- Base Gasket
- Mounting Hardware
- User Manual
- Install Template



Permanently Mounted with Bulkhead Mount

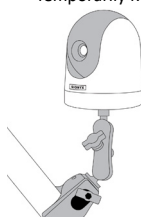


Ball up

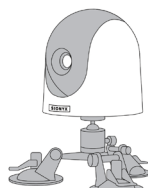


Ball down

Temporarily Mounted with Ram Mount

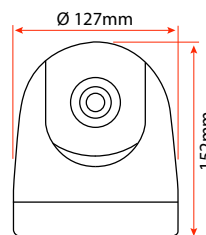


Ram Tough-Claw



Ram Tripod

Ram Mount's not included



Part No.	Description	Colour	Volts (V)		Weight (G)	Dimensions H x Ø (mm)
			DC	USB		
970100	Nightwave Night Vision Camera	White	12	5	870	152 x 127
970102	Nightwave Night Vision Camera	Grey	12	5	870	152 x 127
970104	Nightwave Night Vision Camera	Black	12	5	870	152 x 127

- Can detect (man) sized objects upto 150m with a ¼ moon*.
- 30Hz FPS @ 1280 x 1024 XQE-1350 BSI CMOS sensor.
- 16mm F/1.4 lens
- 30Hz FPS @ 640 x 640 NTSC video out.
- 10m to infinity focus range with a 400-1200NM visible spectrum.
- SMA / BNC / RCA analogue video connections.
- Wireless via WiFi + Bluetooth.
- UV resistant polycarbonate.
- Multiple mounting options.
- Operating temp: -20°C to +50°C.
- 5m Tinned copper wire.
- Shock and vibration: IEC60945 (V15G | H:9G) |IK08.
- Protection Rating: IP67.

NOTE: *Tested under clear weather.



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