



SIONYX

NIGHTWAVE™ D1

ULTRA LOW-LIGHT MARINE CAMERA

MODEL CRV-500C
SKU C012800
UPC-A 811251020149

Nightwave is an ultra low-light camera built around SIONYX's patented Black Silicon CMOS sensor. It allows mariners of all levels to easily spot obstacles and debris in moonless starlight without white light or expensive thermal cameras – navigating safely, avoiding collisions, and maximizing time on the water. With easy mounting and setup, Nightwave can stream video to a mobile device via WiFi or directly connect to other hardware via analog output, displaying clear color digital night vision.

CONNECTED

Seamless integration with major brand MFDs via the analog video output. Convenient installation flexibility with built in WiFi video streaming and communication.

RUGGED

IP67 rated, submersible to 3 ft for 30 minutes. You can safely use Nightwave in inclement weather conditions.

CAPABLE

<1 MLX MOONLESS STARLIGHT sensitivity allows you to see well beyond human eyesight & detect a man-sized object at 150 meters.

AWARE

44° field of view increases situational awareness to spot unexpected obstacles, debris, markers, vessels, and more.

CAMERA

SENSOR TYPE	XQE1350 BSI CMOS
RESOLUTION	1280 X 1024
FRAME RATE	60 HZ
HORIZONTAL FOV	44°
VISIBLE SPECTRUM	400-1200NM
FOCUS RANGE	10M TO INFINITY
LENS	16MM F/1.4

SYSTEM

VIDEO OUT	NTSC/PAL
VIDEO CONNECTION	BNC
WIRELESS COMMUNICATIONS	WIFI + BLUETOOTH
POWER IN	12V DC
POWER CONNECTION	TINNED COPPER WIRE

ENVIRONMENTAL

INGRESS PROTECTION	IP67 WATER/DUST RESISTANT
SHOCK & VIBRATION	IEC60945 [V15G H:9G] IK08
OPERATING TEMPERATURE	-20°C TO +50°C
STORAGE TEMPERATURE	-20°C TO +80°C

RANGE PERFORMANCE

	CLEAR WEATHER AT 1/4 MOON
DETECT MAN-SIZED OBJECT	150 M

All product, product specification, and data are subject to change without notice to improve reliability, function, design, or otherwise. Visit SIONYX.COM for up-to-date documentation.

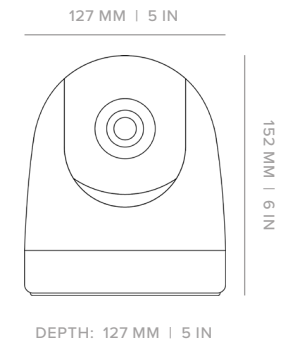
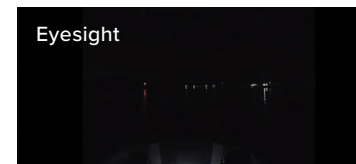
PHYSICAL

WEIGHT	870 G [1.9 LBS]
DIMENSIONS	127 X 127 X 152 MM [5 X 5 X 6 IN]
MOUNTING OPTIONS	TRIPOD OR RAMMOUNT SINGLE 1/4" 20 CENTER MOUNT BULKHEAD MOUNT: 4 X M6 BLIND HOLES TOP-DOWN MOUNTING HOLES
MATERIAL	UV RESISTANT POLYCARBONATE

INCLUDED

CAMERA	BASE GASKET
CABLE [5M]	MOUNTING HARDWARE
BNC TO RCA CONVERTER	INSTALL TEMPLATE
POWER FUSE & FUSE HOLDER	USER MANUAL
DIGITAL VIDEO CABLE USB	

EYESIGHT VS NIGHTWAVE



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Get connected with the SIONYX Nightwave Mobile App

