



**SIONYX**

# NIGHTWAVE™ D1

## ULTRA LOW-LIGHT MARINE CAMERA

**MODEL** CRV-500C  
**SKU** C012800  
**UPC-A** 811251020149

Nightwave is an ultra low-light camera system built around SIONYX's patented Black Silicon CMOS sensor. It allows all levels of mariners 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 & pick up a man-sized object at 150 meters.

### AWARE

40° field of view increases situational awareness to spot unexpected obstacles, debris, markers, vessels, and more.

## CAMERA

SENSOR TYPE	CMOS
RESOLUTION	1920 X 1080
FRAME RATE	60 HZ
HORIZONTAL FOV	720P .MOV VIDEO
VISIBLE SPECTRUM	400-1100NM
FOCUS RANGE	10M TO INFINITY
LENS	16MM F/1.4

## SYSTEM

DIGITAL MAGNIFICATION	1X - 3X
VIDEO OUT	NTSC/PAL
WIRELESS COMMUNICATIONS	WIFI + BLUETOOTH
POWER IN	12V DC

## ENVIRONMENTAL

INGRESS PROTECTION	IP67 WATER/DUST RESISTANT
SHOCK & VIBRATION	IEC61945 [V:15G   H:9G]
OPERATING TEMPERATURE	-20°C TO +50°C
STORAGE TEMPERATURE	-20°C TO +80°C

## RANGE PERFORMANCE

DETECT MAN-SIZED TARGET	CLEAR WEATHER AT 1/4 MOON 150 M
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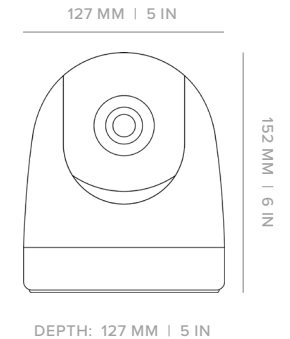
## PHYSICAL

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 1/4" 20 TOP-DOWN MOUNTING HOLES
MATERIAL	UV RESISTANT POLYCARBONATE

## INCLUDED

CAMERA	INSTALL TEMPLATE
CABLE [5M]	USER MANUAL
MOUNTING HARDWARE	

## EYESIGHT VS NIGHTWAVE



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Get connected with the SIONYX Nightwave Mobile App

