

SIONYX

+MARINE



NW DIGITAL BLACK
SKU C018900
UPC-A 811251020613

NW DIGITAL WHITE
SKU C018800
UPC-A 811251020606

NIGHTWAVE[®]DIGITAL

HIGH RESOLUTION LOW-LIGHT MARINE CAMERA

Meet the next generation of ultra-low-light marine imaging. Nightwave Digital delivers unmatched clarity—even in moonless starlight—thanks to the enhanced IP (PoE) digital connectivity and advanced Black Silicon CMOS sensor, outshining traditional thermal cameras.

Nightwave Digital offers higher resolution, greater reliability, and seamless integration with networked MFD systems. With flexible mounting options and an intuitive setup, it's built for captains who want safety without complexity. Less guesswork, more peace of mind.

Whether cruising, fishing, or docking after dark, Nightwave Digital helps you stay safe—and enjoy every moment on the water.

WHY NIGHTWAVE DIGITAL? THE DIFFERENCE IS CLEAR



THERMAL



NIGHTWAVE DIGITAL

CORE FEATURES

- Seamless integration with all major brand MFDs
- Network (POE) compatibility 
- Engineered for large screens (higher resolution)
- Connectivity with app control via Wi-Fi
- One camera to multiple MFDs or multiple cameras to one MFD

DETECTION RANGE

MAN-SIZED OBJECT	300 M / 984 FT
MARINE VESSEL	4.02 KM / 2.5 MILES



SIONYX

LOW-LIGHT SENSOR

IMAGE SENSOR	COLOR XQE1350 BSI CMOS
RESOLUTION	1280 X 1024
FRAME RATE	UP TO 30HZ
MIN ILLUMINATION	MOONLESS STARLIGHT (<0.001 LUX)
FOCUS RANGE	FIXED 10M TO INFINITY
HORIZONTAL FIELD OF VIEW	44°
DAY & NIGHT	AUTO DAY/NIGHT FILTER
VISIBLE SPECTRUM	400-1200 NM
LENS	16MM F/1.4

PHYSICAL PROPERTIES

WEIGHT	1 KG [2.2 LBS]
DIMENSIONS	127 X 175 MM [5 X 6.9 IN]
MATERIAL	UV RESISTANT POLYCARBONATE
MOUNTING OPTIONS	BALL UPRIGHT OR BALL DOWN 4 BOLT PATTERN INTO FIBERGLASS/WOOD/METAL OR 4 ¼-20 PATTERN INTO BASE

SYSTEM

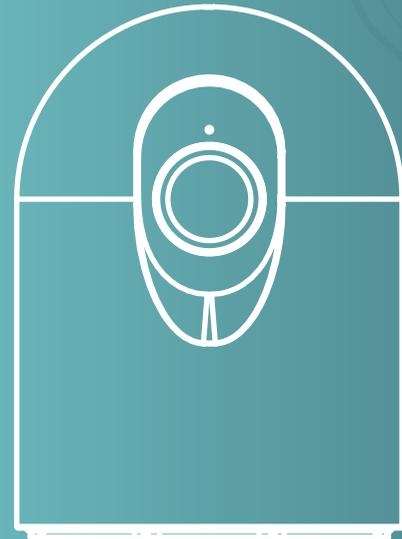
POWER	 POE [37-57 VDC / TYP 48 VDC]
CONSUMPTION	5W NOMINAL
IMAGE SETTINGS	BRIGHTNESS, CONTRAST, SHARPNESS, SATURATION, DAY & NIGHT, HDR, ORIENTATION, NOISE REDUCTION
MOBILE APP	IOS & ANDROID WI-FI + BLUETOOTH SOFTWARE UPDATES IMAGE SETTINGS
IP VIDEO OUT	H264 MAIN PROFILE MAIN: 1280 X 1024 / SUB : 640 X 512 30 FPS, 30 GOP

NETWORK COMPATIBILITY

GARMIN | RAYMARINE | NAVICO (SIMRAD)

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.

127 MM | 5 IN



175 MM | 6.9 IN

ENVIRONMENTAL

OPERATING TEMPERATURE	-20°C TO +50°C
STORAGE TEMPERATURE	-30°C TO +70°C
WATER INGRESS	IP67
SHOCK & VIBRATION	20G VERTICAL 10G HORIZONTAL IEC 60945; MIL-STD-810E
WIND	100 MPH (161 KPH)
SOLAR UV EXPOSURE	MIL-STD-810G



LEARN MORE AT
SIONYX.COM

