



SIONYX OPSIN™ DNVM1

COLOR DIGITAL NIGHT VISION MONOCULAR

Your tactical toolbox just stepped into the future. Inspired by the U.S. DoD's desire to integrate digital night vision into surveillance and support low-light operations OPSIN brings next-level innovation to the traditional night vision market with our proprietary XQE-1350 Black Silicon CMOS sensor. OPSIN's technology provides unmatched color low-light capability plus immersive edge-to-edge digital display, recording, and navigation features that make operations more precise, efficient, and informative.

Observe targets of interest in moonless-starlight environments while remaining undetected. Record the situation as it unfolds on the onboard SD card and document geo-location with the onboard GPS module. The external battery pack extends OPSIN's operation time to a full eight hours while providing helmet counterweight for comfort during long deployment. Plus, with a jurisdiction and classification of EAR99, OPSIN is available globally with minimal export restrictions. OPSIN will change the way professional users operate in the dark.

MODEL MDV-400C
SKU C013400
UPC-A 811251020156

RUGGED

IP67 rated and drop-resistant.
Ready to perform any mission in any
environment or weather condition.

CAPABLE

<1 MLX MOONLESS STARLIGHT
sensitivity allows you to see and
navigate in darkness, well beyond
human eyesight.

AWARE

45° field of view increases your
situational awareness in your
peripheral vision.

CAMERA

SENSOR TYPE	XQE1350 BSI CMOS
RESOLUTION	1280 X 1024
FRAME RATE	30 60 90 HZ
HORIZONTAL FOV	45°
VISIBLE SPECTRUM	400-1200NM
FOCUS RANGE	0.2M TO INFINITY
LENS	15MM F/1.3

SYSTEM

SYSTEM LATENCY	< 1 FRAME
DISPLAY	AMOLED 1920 X 1080
DIOPTER ADJUSTMENT	-4 TO +4
EYE RELIEF	25MM
EXIT PUPIL	7.5MM
LOCATION SYSTEM	BUILT-IN GPS
ORIENTATION SYSTEM	DIGITAL MAGNETIC COMPASS
WIRELESS COMMUNICATIONS	WIFI + BLUETOOTH
AUDIO	BUILT-IN MICROPHONE
POWER IN	7.2VDC
STORAGE MEDIA	MICRO SD CARD
STORAGE CAPACITY	UP TO 256GB

BATTERY PACK

BATTERY CELLS	4 X 18650 LI-ION
VOLTAGE	7.2VDC
CAPACITY	5960MAH 42.9WH
DIMENSIONS	97 X 92 X 49 MM [3.8 X 3.6 X 1.9 IN]
WEIGHT	298G [10.5OZ]
OPERATION TIME	> 8 HRS

All product, product specification, and data are subject to change without notice to improve reliability, function, design, or otherwise. Visit [SIONYX.COM](https://sionyx.com) for up-to-date documentation.

ENVIRONMENTAL

INGRESS PROTECTION	IP67
SHOCK & VIBRATION	2M
OPERATING TEMPERATURE	-20°C TO +55°C
STORAGE TEMPERATURE	-40°C TO +70°C

CAMERA - PHYSICAL

WEIGHT	301 G [10.6 OZ]
DIMENSIONS	120 X 80 X 58 MM [4.7 X 3.1 X 2.3 IN]
MOUNTING OPTIONS	MINI RAIL
MATERIAL	GLASS REINFORCED POLYCARBONATE

RANGE PERFORMANCE

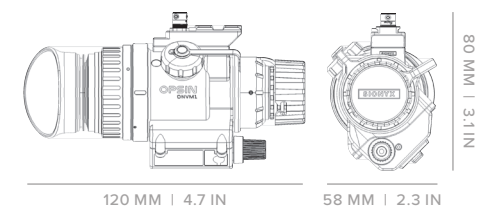
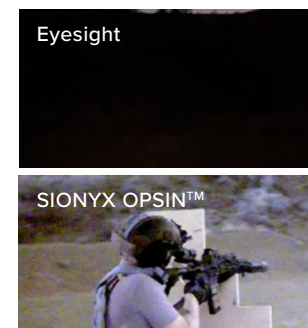
CLEAR WEATHER AT 1/4 MOON

DETECT MAN-SIZED TARGET	150 M
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INCLUDED

CAMERA	EYECUP
BATTERY PACK	LENS CAP
SWING ARM (DOVETAIL INTERFACE)	SAFETY BUNGEE
MOLLE CANVAS POUCH	CHARGER
MICRO SD CARD	USER MANUAL

EYESIGHT VS OPSIN



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