



SIONYX

OPSIN DNVM1



ULTRA LOW-LIGHT COLOR MONOCULAR

MODEL MDV-400C
SKU C013400
UPC-A 811251020156

OPSIN brings innovation to the traditional night vision device market with the introduction of the most advanced low-light CMOS sensor available. Leveraging SIONYX's U.S. DOD approved sensor to deliver unmatched color low light capability, OPSIN provides additional detail, unavailable with traditional night vision systems.

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. OPSIN will change the way professional users operate in the dark.

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
DIOPTR 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

ENVIRONMENTAL

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

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.

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

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]

RANGE PERFORMANCE

CLEAR WEATHER AT 1/4 MOON

DETECT MAN-SIZED TARGET	150 M
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INCLUDED

CAMERA	EYECUP
BATTERY PACK (>8 HRS OPERATION TIME)	LENS CAP
SWING ARM	CHARGER
CANVAS POUCH	USER MANUAL
MICRO SD CARD	

EYESIGHT VS OPSIN

