

## HELION 2 XP50 PRO

### Thermal imaging scope

HELION 2 XP50 PRO thermal imaging monocular from PULSAR for hunting, forestry, personal security, life rescue and recreational outdoor activities. The unit features built-in video recorder, stadiametric rangefinder, long-life quick-change battery and Wi-Fi module for connecting smartphone or tablet. For image acquisition HELION 2 XP50 PRO uses top-quality thermal imaging FPA with 640x480 resolution (17  $\mu$ m pixel pitch, <25 mK NETD) operating at 50 frames per second.



### Features

- Highly sensitive thermal imaging sensor 25 <mK NETD
- Fast Aperture f1.0 Quality Germanium Optics
- Long Detection Range up to 1800 m (2000 yd)
- Image Boost Technology
- HD AMOLED Display
- Built-in Photo and Video Recorder
- 4 Observation Modes
- Variable Digital Zoom
- Picture-in-Picture mode
- 8 Color Palettes
- Wi-Fi. Integration with IOS and Android devices
- Up to 8 hours Operation Time on single charge
- Lightweight Shockproof Metal Housing
- IPX7 Waterproof Rated



### Technical specifications

	Helion 2 XP50 PRO
Detector type	Uncooled ASi
Frame rate, Hz	50
Microbolometer resolution, pix.	640x480
Pixel pitch, $\mu$ m	17
NETD, mK	<25
Display type	AMOLED
Display resolution, pix.	1024x768
Magnification, x	2,5-20
Digital zoom, x	2/4/8

Lens focus, mm	50
Relative aperture, D/f'	1:1
Field of View,°	12.4
Minimum focusing distance, m	3-5
Eye relief, mm	15
Exit pupil, mm	5
Diopter adjustment, dptr.	± 5
Detection range, m (object H/W = 1,7/0,5m)	1800
Built-in video recorder	yes
Built-in memory size, Gb	16
Built-in Wi-Fi module	yes
Stream Vision application support	yes
Micro USB socket	Power/data
Stadiametric rangefinder	yes
Color palettes	8
Power supply, V	3.0-4.2
Battery type	Pulsar IPS7 (Li-ion)
Battery life, hour	8
External power supply	5V MicroUSB
Tripod mount, inch	1/4
Operating Temp, °C	- 25 ... +50
Housing material	Magnesium alloy
Waterproof	IPX7
Calibration (non-uniformity correction)	manual, auto, semi-auto
Length, mm	242
Width, mm	75
Height, mm	60
Weight (without batteries), kg	0.5
SKU	77431

