

HELION 2 XQ Thermal imaging scope

HELION 2 XQ 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 XQ uses quality thermal imaging FPA with 384x288 resolution (17 μm pixel pitch, <40 mK NETD) operating at 50 frames per second.



Features

- Highly sensitive thermal imaging sensor 40 <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 9 hours Operation Time on single charge
- Lightweight Shockproof Metal Housing
- IPX7 Waterproof Rated



Technical specifications

	Helion 2 XQ38F	Helion 2 XQ50F
Detector type	Uncooled ASi	Uncooled ASi
Frame rate, Hz	50	50
Microbolometer resolution, pix.	384x288	384x288
Pixel pitch, μm	17	17
NETD, mK	<40	<40
Display type	AMOLED	AMOLED
Display resolution, pix.	1024x768	1024x768
Magnification, x	3-12	4,5-18
Digital zoom, x	2/4	2/4

Lens focus, mm	35	50
Relative aperture, D/f'	1:1	1:1
Field of View,°	10.7	7.5
Minimum focusing distance, m	3-5	3-5
Eye relief, mm	15	15
Exit pupil, mm	5	5
Dioptr adjustment, dptr.	± 5	± 5
Detection range, m (object H/W = 1,7/0,5m)	1350	1800
Built-in video recorder	yes	yes
Built-in memory size, Gb	16	16
Built-in Wi-Fi module	yes	yes
Stream Vision application support	yes	yes
Micro USB socket	Power/data	Power/data
Stadiametric rangefidner	yes	yes
Color palettes	8	8
Power supply, V	3.0-4.2	3.0-4.2
Battery type	Pulsar IPS7 (Li-ion)	Pulsar IPS7 (Li-ion)
Battery life, hour	9	9
External power supply	5V MicroUSB	5V MicroUSB
Tripod mount, inch	1/4	1/4
Operating Temp, °C	- 25 ... +50	- 25 ... +50
Housing material	Magnesium alloy	Magnesium alloy
Waterproof	IPX7	IPX7
Calibration (non-uniformity correction)	manual, auto, semi-auto	manual, auto, semi-auto
Length, mm	226	234
Width, mm	55	55
Height, mm	58	58
Weight (without batteries), kg	0.45	0.5
SKU	77396	77397

