

AXION

Thermal imaging scope

AXION compact thermal imaging scope from PULSAR for wildlife, search & rescue, security, law enforcement and outdoor tourism. Thermal imager possesses built-in video and photo recorder with 16 GB of internal memory, stadiametric rangefinder, Wi-Fi module and quick-change battery. Based on a high grade thermal imaging sensors with resolution 320x240 with 12 μm pixel pitch AXION is able to produce a highly detailed image at 50 frames per second on an HD AMOLED microdisplay in complete darkness.

Features

- Long Detection Range
- Small Pocket-sized Format
- High Optic Magnification
- 12 μm Thermal Imaging Sensor
- Rugged Magnesium Alloy Housing
- Instant Start-up
- Video and Still-Photo Recording
- Stream Vision App Supported
- HD AMOLED Microdisplay
- IPX7 Waterproof Rated
- Lightweight
- B-Pack Mini Power System
- Color Palettes
- Picture in Picture Function



Technical specifications

	Axion Key XM30	Axion XM30	Axion XM38
SKU №	77425	77421	77422
Type of microbolometer	Uncooled	Uncooled	Uncooled
Frame rate, Hz	50	50	50
Microbolometer resolution, pixels	320x240	320x240	320x240
Pixel pitch, μm	12	12	12
Display type	LCOS	AMOLED	AMOLED
Display resolution, pix.	960x720	1024x768	1024x768
Magnification, x	2.4-9.6	4.1-16.4	5.5-22
Digital zoom, x	2/4	2/4	2/4
Lens focus, mm	30	30	38
Relative aperture, D/f'	1:1,2	1:1,2	1:1,2
Field of View,° horizontal	7.8	7.8	5.8
Minimum focusing distance, m	3	3	3
Eye relief, mm	14	15	15
Exit pupil, mm	3	3,5	3,5
Diopter adjustment, dptr.	+/-5	+/-5	+/-5

Detection range, m (object H/W = 1,7/0,5m)	1200	1200	1700
Built-in video recorder	no	yes	yes
Built-in memory size, Gb	no	16	16
Format of video files	no	MP4	MP4
Resolution of video files, pix	no	1024x768	1024x768
Format of photos	no	JPEG	JPEG
Resolution of image files, pix	no	1024x768	1024x768
Built-in Wi-Fi module	no	yes	yes
Stream Vision application support	no	yes	yes
Micro USB socket	Power	Power/data	Power/data
Stadiametric rangefinder	yes	yes	yes
Multiple color palettes	yes	yes	yes
Power supply, V	3,0-4,3	3,0-4,3	3,0-4,3
Battery type	Battery APS 3 (Li-ion)	Battery APS 3 (Li-ion)	Battery APS 3 (Li-ion)
Battery life, hour	4	4	4
External power supply	5V MicroUSB	5V MicroUSB	5V MicroUSB
Tripod mount, inch	1/4	1/4	1/4
Operating Temp, °C	- 25 ... +40	- 25 ... +40	- 25 ... +40
Waterproof	IPX7	IPX7	IPX7
Calibration (non-uniformity correction)	manual, auto, semi-auto	manual, auto, semi-auto	manual, auto, semi-auto
Length, mm	143	143	149
Width, mm	41	41	49
Height, mm	69	69	70
Weight (without batteries), kg	0,25	0,25	0,27

