

- Built-in precision laser rangefinder
- Highly sensitive thermal imaging sensor
- NETD <40 mK
- Light-weight and rugged magnesium alloy housing
- Detection range up to 1300m
- Image boost technology
- IPX7 waterproof rated
- Full-colour, HD AMOLED display
- Various colour palettes
- Convenient user interface
- Variable digital ZOOM
- Functional and ergonomic design
- Picture-in-picture function



AXION 2 LRF XQ35 thermal imaging monoculars are designed for use both at night-time and during the day and provide exceptional image quality even in adverse weather conditions (fog, smog, rain) and beyond obstacles like branches, tall grass, dense foliage, etc. known to hinder target detection. It fits perfectly in one hand and ensures comfortable grip and easy carrying. Powerful objective lens in combination with a 384x288 pixels (pixel size 17 μ m) professional grade thermal imaging sensor with NETD 40 mK provides exceptional detection capabilities even in the hardest weather conditions. A standard 1,8 m tall object can be detected up to 1300 m distance in complete

darkness. Housing made from light weight magnesium alloy ensures high structural rigidity and ruggedness while retaining small weight and ergonomics. Image Boost results in a sharper, more detailed field of view and enhanced object identification capabilities. Integrated, precision laser rangefinder provides accurate rangefinding in two modes – Single time Measurement and Scanning mode with ± 1 m accuracy up to 1 km distance. Accurate distance readings help to quickly assess the size of territory, distance, and relief. Upon activation Picture in Picture function displays second small image with magnification in the top part of the screen.

Standard Accessories: APS 5 rechargeable batteries; 2 battery-locking covers; APS charger, Power adaptor; USB cable; Hand strap; Carrying case; Lens-cleaning tissue

Optional Accessories: Hard storage case, OTIS lens swabs; lens cleaning kit

SPECIFICATIONS

AXION 2 LRF XQ35

AXION 2 LRF XG35

SENSOR

Sensor Type	uncooled	uncooled
Resolution, pixels	384 X 288	640 X 480
NETD, mK	<40	<40
Frame Refresh Rate, Hz	50	50
Pixel Size, μm	17	12

OPTICS

Magnification (x)	2 - 8 (x4 zoom)	2.5 20 (x8 zoom)
Lens System	F35/1.0	F35/1.0
Eye Relief, mm	14	14
Field of view (H x V)	10.7° × 8°	12.5° × 9.4°
Focusing Range	-4 / +5	-4 / +5
Detection Range, m	1300	1750

DISPLAY

Type	AMOLED	AMOLED
Resolution, pixels	640x400	1024x768

LASER RANGEFINDER

Wavelength, nm	905	905
Measurement Range, m	1000	1000
Measurement Accuracy, m	±1	±1

VIDEO RECORDER

Video / photo resolution, pixel	528x400	1024x768
Video / photo format	.mp4 / .jpg	.mp4 / .jpg
Built-in memory, GB	16	16

CONNECTIONS/COMPATIBILITIES/Wi-Fi

Mount, type	1/4"	1/4"
Supported Application	Stream Vision 2	Stream Vision 2
Wireless Standard	IEEE 802.11 b/g/n/ac	IEEE 802.11 b/g/n/ac
Frequency, GHz	2.4 / 5	2.4 / 5

OPERATIONAL SPECIFICATIONS

External Power Voltage	3 - 4.2 V	3 - 4.2 V
Battery Type	Li-Ion Battery pack APS5	Li-Ion Battery pack APS5
Capacity	4900 mAh	4900 mAh
External Power Supply	5V, 9 V (USB Type-C)	5V, 9 V (USB Type-C)
Battery Life at 22°C	11 hours	7 hours
Environmental Rating	IPX7	IPX7
Operating Temperature	-25°C to +40°C	-25°C to +40°C
Body Material	Magnesium Alloy	Magnesium Alloy
Dimensions, mm	152 x 74 x 75	152 x 74 x 75
Weight, kg	0.35	0.35