

teleskopy.pl



Axion observation thermal imagers are a group of completely new devices created from the development of the Pulsar Lite thermal imaging devices. Miniaturized, light and economical, with surprisingly good performance. Axion thermal imagers are pocket constructions that easily fit in the hand, with dimensions comparable to a typical laser rangefinder. Equipped with XM converters with a resolution of 320x240 pixels which due to their special properties obtain a good range and magnification even with relatively modest lenses. Axion XM38 has the most impressive performance of the series. Using the XM transducer with a resolution of 320x240 pixels with a 12 μ m pixel, with a 38 mm f / 1.2 lens we have a detection range of 1700 meters. 5.5x optical magnification will be sufficient for effective recognition of animals over a distance of about 200-300 meters. Axion XM38 has all the features found in advanced equipment - it is equipped with an image recorder and video recorder with built-in 16 GB memory as well as a WiFi module that allows remote control and image preview on a mobile device. The free Stream Vision application is available for Android and IOs. The image is displayed on a frost-resistant AMOLED display with a resolution of 1024x768 pixels, thanks to the use of such

a display the device can work in the temperature range from -25 to +40 degrees. The whole is closed in a lightweight magnesium housing, completely waterproof (IPX7 protection), the imager weighs 270g. Axion is powered by an APS3 battery with a capacity of 3200 mAh and can work non-stop for more than 4 hours. Technical parameters

â€¢ name: Pulsar AXION XM38, catalog number 77422

â€¢ minimum magnification: 5.5x

â€¢ maximum magnification: 22x

â€¢ digital zoom: 4x

â€¢ observation range: 1700 m

â€¢ lens: 38 mm f / 1.2

â€¢ optical construction: monocular

â€¢ field of view: 5.8 - °, depending on the magnification

â€¢ distribute matrix: uncooled 320 x 240 pixels, 12 µm

â€¢ matrix refresh rate: 50 Hz

â€¢ display: 1024 x 768 pixels, AMOLED, 8 color palettes

â€¢ waterproof class: IPX7

â€¢ wifi module: YES

â€¢ photo / video recorder: YES, built-in

â€¢ power supply: microUSB 5 V, battery pack APS3 (included, working time > 4 h)

â€¢ dimensions: 149 x 48 x 70 mm

â€¢ weight: 270 g

Warranty 3 years

>> FREQUENTLY ASKED QUESTIONS

Question : What's the difference between a night vision device and a thermal imager?

Answer: The night vision device intensifies visible light (380 - 780 nm) and slightly near infrared. The Imager is sensitive to electromagnetic waves of greater length, on the order of a few to several µm, or several dozen times longer. EM waves, to which a typical thermal imager is sensitive, correspond to thermal (thermal) radiation. The night vision requires light that can strengthen (therefore in full darkness we need IR radiators), the thermal imager also works in total darkness, in fog, smoke, etc. The advantage of night vision, apart from simply other imaging and therefore a different perception of details, is higher resolution and lower price. The advantage of thermovision is work in all conditions and easy detection of heat sources, which is of fundamental importance in rescue, and is useful, among others hunting, property protection, maritime navigation, nature observation.