teleskopy.pl

Pulsar Helion XQ / XP are the most modern observation telescopes for non-military use that have ever been produced. Helion thermowells are designed and made from scratch, taking into account recent changes in ICT and thermovision technologies. The new Pulsar Helion thermal imager is made with the use of a recently available, non-cooled thermo-sensitive matrix in 17 micrometer technology. This translates into â€¢ 50% higher magnification, â€¢ 50% longer range, â€¢ very fast startup in 2 seconds â€¢ significantly increased battery life The Helii series marked XQ19, XQ38, XQ50 has a thermosensitive sensor with a resolution of 384 x 288 pixels, while the models with the designation XP28, XP38, XP50 are offered with an excellent thermosensitive matrix of high resolution 640 x 480 pixels, recently available only in professional cameras and military equipment. The XQ50 and XP50 models have a huge target detection range of 1.7 x 0.5m (eg human) from a distance of up to 1800 meters, which is the best result in the class of thermal imaging devices available to civilian users. However, these are not all the advantages of the most modern Pulsar Helion thermocouple - additional information below: Bayonet system of interchangeable lenses The Pulsar Helion XP28, XP38, XP50 series

has unique, interchangeable lenses. Now, after adding additional lenses, you can combine a large field of view, excellent resolution, the largest range and magnification, so you can now have 3 thermal imaging in one! Passive cooling with a thermal radiator What's more, all 6 models of Helion thermowells are equipped with a special heat sink that dissipates heat from electronic circuits, which significantly reduces the amount of noise and reduces the frequency of calibration - this solution was also taken from professional devices. As a result, the image is clear, clean, contrasting and very fluid (in the Helion thermowells, the frequency of 50 Hz refreshment is used). Built-in video recorder and photos All Heliony have an integrated video and photo recorder that uses internal memory with a very large capacity of up to 8 Gigabytes. Operation of the recorder is simple and intuitive, and thanks to the introduction of digital technology for data transfer in Helion thermowells, the quality of the recorded image is incomparably better than in the case of external MPR and CVR recorders used so far, eliminating uncomfortable and emergency wired connections. Removable battery with Lithium-Ion technology The novelty is the replaceable Li-Ion IPS5 battery in Helion's thermal imager. It is a 5.2Ah battery that allows you to work for 8 hours, much longer than standard AA batteries. The technology of lithium-ion batteries allows you to build the lightest and most efficient batteries in the world. Optional IPS10 batteries are available with up to twice the capacity, allowing up to 20 hours of operating time, as well as special adapters for CR123A or AA batteries. External power supply via a 5V microUSB socket The external power supply is also unique, in which Pulsara engineers lived up to the maximum comfort of working with the device - now, the external power supply can be connected via a 5V microUSB socket, compatible with many peripherals: - chargers for phones and tablets - car chargers - external batteries, so-called powerbank with 5V output voltage - USB outputs of laptops, PCs What's more, the power connection from the above Devices with sufficient capacity give you the option of sustaining or releasing an IPS battery connected to the Imager. The same socket also acts as a wired data transfer from the thermal imager to the computer. Huge magnification, smooth digital zoom Helion thermowells have a smoothly changed digital magnification, which depending on XQ19, XQ38, XQ50 is 1 ... 4x, and on XP28, XP38, XP50 models it can reach even 1 ... 8x, so the maximum magnification can be up to 20x! In addition to the liquid change, a step change is also possible, which is 2x. Wireless cooperation with a smartphone and tablet thanks to the built-in Wi-Fi network. The total revolution introduced into Helion's thermal imaging devices is communication via the Wi-Fi network. Imager can communicate with external mobile devices - smartphones and tablets with the iOS / Android system, which can be used with the following, free Pulsar "Stream Vision" application: - view the live image from the Imager - control all functions of the Imager - record video and take pictures from the Imager - view, delete and download recordings from the Imager - carry out a live broadcast using YouTube In addition, there is an optional remote control on which the rotary manipulator known for other Pulsar products was placed for convenient use of the menu. Full resistance to IPX7 outdoor conditions The Helion thermal imager is fully resistant to environmental conditions. The device has an IPX7 protection rating, which means immersion resistance up to 1m deep for up to 30 minutes. The use of AMOLED displays enabled the adaptation of the thermal imager for proper operation in the temperature range of -25 to +50 degrees and guarantees the highest quality image about the contrast and legibility unattainable for devices with LCD displays. In addition to the above-mentioned innovations, Helion still gives users access to the proven features available in the Quantum range: optional wireless remote control to control basic functions remotely turn on the device 2 seconds to refresh the image up to 50Hz! â€¢ 8 color modes, including the valued red mode for selecting the hottest parts of the picture! â€¢ stadiometric rangefinder with occupying silhouette, wild boar and moose for quick evaluation of the distance of the target. â€¢ "display off" function immediately switching on / off the display without switching the device off â€¢ 3 predefined picture modes - forest mode - target identification mode - city mode The user interface is friendly, operated by means of 4 buttons on the upper body wall. In conclusion, Pulsar has created a revolutionary thermal imager for the most demanding. Warranty 3 years >> FREQUENTLY ASKED QUESTIONS << Question : What is the difference between a night vision device and the thermal imager? Answer: Night vision enhances visible light (380 - 780 nm) and slightly near infrared. The thermal imager is sensitive to electromagnetic waves of greater length, on the order of a few or a dozen microns, that is, several dozen times longer. EM waves, to which the typical thermal imager is sensitive, correspond to thermal (thermal) radiation. Night vision requires light that can strengthen (that's why in the dark 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 in connection with this other perception of details is higher resolution and lower price. The advantage of thermovision is to work in all conditions and to easily detect heat sources, which is of fundamental importance in rescue, and is useful, among others hunting, property protection, sea navigation, and natural observation.