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The SA-35 LRF V2 thermal imaging sight is one of the flagship models of the Pard company, which specializes in the production of professional thermal imaging equipment. For years Pard products have been widely appreciated by both hunters, security guards and officers of uniformed services, who must always be sure that their equipment is reliable and ready for action at all times. The optical system of the SA-35 LRF V2 sight is made of germanium. Thanks to the excellent transmission of infrared radiation, this material has become the gold standard and benchmark of top-shelf thermal imaging products many years ago. The uncooled microbolometer with a resolution of 384 x 288 px is responsible for recording the image. This element was manufactured by the Ullis company, which is a supplier of thermal imaging electronics, among others, for the French armed forces. This device has a housing made of an aluminum alloy with the addition of magnesium and silicon, which has found its application, among others, in the automotive industry, as a material for the construction of suspension elements. The housing has been additionally sealed, thanks to which it meets the requirements of the IP67 standard. It is also resistant to recoil with an energy not exceeding 6,000 J. The

most important features of the Pard SA-35 LRF V2 " a matrix with a resolution of 384 x 288 px from the French company Ulis, made in the shutterless technology " Germanium optical system with 35 mm focal length " the ability to detect a person from a distance of 1500 meters " Built-in laser rangefinder with a range of 600 meters and measurement accuracy of ± 0.5 m " aluminum alloy casing with a recoil resistance of 6000 J Technical parameters " sensor: ULIS, 384 x 288 px " pixel size: 17 μm " refresh rate: 50 Hz " focal length of the lens: 35 mm " front lens material: germanium " aperture: f / 1.0 " optical zoom: 3.2x " digital zoom: 2x, 4x " field of view: 10.7 x 8.0 ° / 189 m @ 1000 m " exit diameter: 8 mm " offset of the exit pupil: 45 mm " diopter adjustment range: -5 - +5 " minimum observation distance: 5 m " focusing range: 5 m - " sharpening method: manual " display: OLED, 1024 x 768 px " accessory display: LCD, 1024 x 768 px, 5 'diagonal " reticle: 9 types to be selected by the user " PIP: yes " built-in laser rangefinder: yes " laser wavelength: 905 nm " rangefinder range: 600 m " accuracy of the distance measurement: ± 0.5 m " built-in compass: yes " built-in gyro: yes " power supply: Li-ion 18650 battery, 3.7 V " battery life: up to 2 hours on 3350 mAh batteries " connectors: composite video output " body material: aluminum alloy 6061 " resistance to recoil: 6000 J " finish: black mat " water resistance: yes, IP67 " dimensions: 162 x 75 x 66 mm " weight: 440 g Maximum detection range " car: 3000 m " human: 1500 m Kit components " Pard SA-35 LRF V2 thermal vision sight " protective bag " case " a lens cover " USB charger " USB cable " Picatinny assembly with key and screws " 18650 battery (3 pieces) Warranty 24 months