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The key issue in astrophotography is proper guiding. The cameras used for this very often require a computer connection, which in practice means the necessity to take care of powering another element of astronomical equipment. This problem is solved by the Lacerta MGEN-3 guider. This device, thanks to the use of innovative algorithms that allow tracking up to 100 stars at the same time, offers a precision of 1/50 of a pixel - unmatched in its class. This guider can work both in a standalone mode, using a dedicated controller, and be controlled by a laptop with Windows. The most important features " Ability to track up to 100 stars simultaneously for the best possible accuracy " ready for action with the press of a button " high sensitivity thanks to subtracting a dark frame in real time " dithering support to reduce the noise level " built-in Wifi module Back-focus " T2 + 1.25 " : 26 mm " 1.25 " : 3.5 mm " T2 (M42x0.75): 9 mm " without adapter (M28x0.6): 3.5 mm Technical parameters " matrix: ON Semiconductor AR0130CS (monochrome) " sensor type: CMOS " matrix size: 4.8 x 3.6 mm, diagonal 6 mm " matrix resolution: 1.2 MPix, 1280 x 960 px " single pixel size: 3.75 μ " capacity well of the potential: 13 ke " quantum efficiency in the peak: 75% " ADC: 12 bit " exposure time: 0.05 - 4 s "

shutter type: rolling shutter, electronic " active cooling: no " back focus: 3.5 - 26 mm (depending on the adapter) "
telescope mount: 1.25 "or T2 " ASCOM compatibility: yes " connectors: USB 2.0, ST4, AUX " WiFi module: yes " storage
medium: SD card " SLR shutter control: yes " power supply: USB, 5 V, 240 mA " controller display: LCD, color Kit
components " MGEN-3 controller " MGEN-3 camera " T2 adapter " 1.25 "adapter " 2x usb cable " ST4 cable " 4 GB
memory card Warranty 12 months