

# teleskopy.pl



The ZWO ASI 294 MM Pro camera is a monochrome version of the ZWO ASI 294 MC Pro model, which constantly collects very good opinions. Thanks to the use of an optical sensor built in the "back-illuminated" technology, an unprecedented sensitivity was obtained, which will allow to register a weak signal coming from even the farthest objects in the far space. A 14-bit ADC system with a wide dynamic range is responsible for processing the signal coming from the matrix. The two-stage cooling system based on Peltier cells, which ensures an absolutely negligible noise of 0.0022 e / s / pix, is responsible for maintaining a low dark current of the matrix, even during long exposures. The most important features of the ZWO ASI 294 MM Pro camera " monochrome version of the incredibly popular ZWO ASI 294 MC Pro camera " huge capacity of the potential well amounting to 66 ke " 14-bit ADC converter ensuring high dynamic range " 256 MB of DDR3 memory acting as a buffer ensuring stable data transmission " very efficient, two-stage cooling system based on the Peltier module " polyamide heater preventing condensation on the matrix window Technical parameters matrix: Sony IMX294 (monochrome) " sensor type: CMOS " matrix size: 19.1 x 13.0 mm (4/3 format),

diagonal 23.2 mm " matrix resolution: 11.7 MPix, 4144 x 2822 px " single pixel size: 4.63  $\mu\text{m}$  " potential well capacity: 66.0 ke " quantum efficiency in the peak: 90% " exposure time: 32  $\mu\text{s}$  - 2000 s " ROI (select area of interest): yes " shutter type: rolling shutter, electronic " back focus: 6.5 / 17.5 mm " ADC: 14 bit " buffer size: 256 MB DDR3 " compatible operating systems: Windows, Mac OS, Linux " ports: 1x USB 3.0 (in), 2x USB 2.0 (out), ST4 " cooling system: 2-stage, Peltier cells, maximum power consumption 12V / 3A " camera power consumption: 5V, 650 mA " minimum permissible operating temperature: -5  $^{\circ}\text{C}$  " maximum permissible operating temperature: 45  $^{\circ}\text{C}$  " connector: M42x0.75 " dimensions: 78 x 73.5 mm " weight: 420 g Kit components " ZWO ASI 294 MM Pro camera " cover for transport and storage " toe 1.25 " " 1.25 "end cap " USB 3.0 cable (2 m) " USB 2.0 cable (0.5 m) " T2 intermediate ring 21 mm " intermediate ring T2-M48, 16.5 mm " M42 - M48 adapter " adapter T2 - 1.25 " " user's manual Warranty 24 months

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