



The ZWO ASI178MM-Cool is a CMOS monochrome CMOS camera with 6.4 M pixel resolution with Sony STARVIS IMX178 sensor and TEC two-stage cooling that allows you to reduce the matrix temperature by $\Delta T = 35-40^\circ \text{C}$. The camera is characterized by very low noise and high sensitivity, being a very advanced tool for astronomical photography and in high-resolution microscope photography. Technical parameters: matrix: 1 / 1.8" CMOS IMX178 resolution: 6.4 Mpix 3096 x 2080 single pixel size: 2.4 μm die size: 7.4 mm x 5 mm diagonal matrix: 8.92 mm range of exposure times: 32 μs -1000 s ROI (selection of the area of interest): yes ST4 guiding port: yes depth of seating: 12.5 mm shutter type: rolling shutter matrix protection: yes, with IR-cut compatibility with operating systems: Mac, Windows, Linux transmission connection: USB 2.0, USB 3.0 ADC (bit rate) resolution: 14 bit connection to the telescope: 2", 1.25" (toe), T2 dimensions: 78 mm weight: 410 g matrix cooling: adjustable TEC cooling, $\Delta T = 35 - 40^\circ \text{C}$ relative to ambient temperature operating temperature range: $-5^\circ - +45^\circ \text{C}$ storage temperature range: $-20^\circ - +60^\circ \text{C}$ range of relative humidity: 20% - 80% range of relative humidity of storage: 20% -

95% Elements of the set â€¢ 1 - ASC178MM-C ZWO camera in the housing â€¢ 2 - M42-1,25 "adapter (T-mount) â€¢ 3 - 1.25 "cap â€¢ 4 - USB 3.0 cable, 2 meters long â€¢ 5 - two short USB 2.0 cables (they are used to connect an EFW wheel or a guiding camera via a USB2.0 hub) â€¢ 6 - spare tablets with a dehumidifier (they are replaced when there is visible misting inside the camera chamber) â€¢ 7 - drivers and additional software on a CD (compatibility: Mac, PC and Linux)
Note: cameras with cooling require a 12V power supply. If you do not have it - you can buy a dedicated power supply for the ZWO camera in our store. The heating band dedicated to the ZWO camera solves the problem of dew on the camera's front glass - you should consider purchasing this item. Read noise, depth of well, gain and dynamic range ASI178 - graphs QE - graph Warranty 24 months