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The ZWO ASI178MM camera is a 6.4 M pixel CMOS monochrome camera with the Sony STARVIS IMX178 matrix. It is characterized by very low noise and high sensitivity, being a very advanced tool for astronomical photography and in high-resolution microscope photography. In the set with a 2.5 mm lens, the view is almost 170 °, so it is also a very good all-sky camera (all over the sky). 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: 0.001 s-1000 s ∅ ROI (selection of the area of ∅∅interest): yes ∅ ST4 guiding port: yes ∅ depth of the die 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: 62 mm x 36 mm ∅ weight: 120 g (without lens) ∅ operating temperature range: -5 ° - +45 ° C ∅ storage temperature range: -20 ° - +60 ° C ∅ range of relative humidity: 20% - 80% ∅ range of

relative humidity of storage: 20% - 95% Elements of the set â€¢ 1st camera â€¢ 2. ST4 guiding wire, 2 meters long â€¢ 3. cap â€¢ 4. T2 / 1.25 "nosepiece â€¢ 5. USB 3.0 cable length 2 meters â€¢ 6. drivers and additional software (Mac, PC and Linux) Read noise, depth of well, gain and dynamic range ASI178 - graphs QE - graph Warranty 24 months

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Below: test pictures on the Moon; setup: main telescope: GSO Cassegrain 8", camera: ZWO ASI 178 MM, filter: Baader Planetarium Solar Continuum (sic!); mount: EQ6-R

/ pics taken in Jan 2021; click to enlarge /

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