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ASI174MC CMOS from ZWO is an uncooled color camera with versatile use in astrophotography. Usage â€¢ Moon photography - thanks to the large matrix allows you to portray large areas â€¢ astrophotography of the Sun (after applying the appropriate filtration) â€¢ Deep Sky objects - the CMOS sensor offers a low noise level â€¢ can be used for guiding (has a ST4 port) Basic features â€¢ very low reading noise with very high sensitivity â€¢ equipped with IR-Cut filter - no additional IR blocking filter required â€¢ exposure time from 32?m to 300 seconds â€¢ global shutter - this type of shutter allows simultaneous scanning of all camera pixels; this eliminates the problem of reading too slowly, which is particularly important for sunny and lunar photographs, with poor vision, wind or vibrations â€¢ free software from the manufacturer allows automatic stacking and camera operation (FireCapture software) - ideal for photographing nebular objects Technical parameters â€¢ matrix: 1 / 1.2 "CMOS IMX174LLJ / IMX174LQJ â€¢ resolution: 2.3 MPix, 1936 × 1216 â€¢ single pixel size: 5.86 ?m â€¢ range of exposure times: 32 ?s-300 s â€¢ ROI (selection of the area of â€¢â€¢interest): yes â€¢ snap

global shutter • ST4 guiding port: yes • tripod thread on the body: yes, 1/4 inch (standard photo) • matrix protection: yes, with anti-reflective layers • compatibility with operating systems: Mac, Windows, Linux • transmission connection: USB 2.0, USB 3.0 • bit rate: 12 bit • connection to the telescope: 2 ", 1.25" (toe), T2 • dimensions: ? 62 mm x 41 mm • weight: 140 g • operating temperature range: -5 ° - + 45 ° C • storage temperature range: -20 ° - + 60 ° C • range relative humidity: 20% - 80% • range of relative humidity of storage: 20% - 95% • supported resolutions: 12bit ADC Binning 1 × 1: 1936X1216 @ 128FPS, 640 × 480 @ 309FPS, 320 × 240 @ 577FPS Binning 2 × 2: 968 × 608 @ 128 FPS 10bit ADC Binning 1 × 1: 1936X1216 @ 164FPS, 640 × 480 @ 397FPS, 320 × 240 @ 740FPS Binning 2 × 2: 968 × 608 @ 164 FPS Elements of the set • camera (body, without lens) • ST4 guiding cable, 2 meters long • cap • T2 / 1.25 "nose • USB 3.0 cable length 2 meters • drivers and additional software (Mac, PC and Linux) External links Control software, drivers and software for photo material processing can be downloaded for free from the manufacturer's website. Original manufacturer's instructions are also available. INSTRUCTIONS [ENG, LINK] CONTROLLERS [LINK] Warranty 24 months