



The ZWO ASI224MC equipped with the IMX224 matrix from Sony is an uncooled color camera with extremely low reading noise (1.5 e) and high sensitivity, especially in the infrared area. It works exceptionally well in planetary astrophotography (giant planets in the IR band) and small deep sky cycles, such as planetary nebulae. Basic features

- 1944x1224 resolution
- very low reading noise with very high sensitivity
- very sensitive in the infrared
- exposure time from 32 μ s to 1000 seconds
- free software from the manufacturer allows automatic stacking and camera operation (FireCapture software) - ideal for photographing nebular objects

Technical parameters

- matrix: 1/3" CMOS IMX224 / IMX225
- resolution: 1.2 MPix, 1304x976
- single pixel size: 3.75 μ m
- die dimensions: 4.8 mm x 3.6 mm
- diagonal matrix: 6.09 mm
- range of exposure times: 32 μ s-1000 s
- ROI (selection of the area of interest): yes
- shutter: rolling shutter
- binning: yes, 2x2
- distance between the die and the bonfire: 12.5 mm
- 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 • Diameter: = ? 62 m • weigh 100 g • 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 • 1st camera (body + wide angle lens) • 2. ST4 guiding wire, 2 meters long • 3. cap • 4. T2 / 1.25 "nosepiece • 5. USB 3.0 cable length meters • 6. 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