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ZWO ASI 183 MM Pro - a new proposition from ZWO. The main difference between "Cool" and "Pro" cameras is data buffering in DDR memory. The camera has 256 MB of DDR3 memory to speed up data transfer and reduce amp-glow noise associated with slower transfer, especially when using the USB 2.0 port. ASI183MM-Pro is a monochrome camera with thermoelectric cooling, with a resolution of 20 Mpix (5496x3672 at 19 FPS), which, being dedicated to nebular astrophotography, is - paradoxically - also very good in planetary portraiture. Technical parameters

- matrix: 1 "CMOS IMX183CLK-J / CQJ-J
- resolution: 20 Mpix, 5496 * 3672
- single pixel size: 2.4µm
- transfer speed at maximum resolution: 19 fps
- exposure time: 32µs - 2000 s
- read noise: 1.6e @ 30db gain
- shutter type: rolling shutter
- potential well depth: 15 ke
- QE peak: 84%
- converter resolution (ADC): 12 bit
- transfer interface: USB / USB 2.0
- matrix cooling: $\Delta T = 40 - 45^\circ \text{C}$ relative to ambient temperature
- telescope connector: 2" / 1.25", M42 * 0.75
- window protection: yes, with AR layers
- back focus : 6.5 mm
- dimensions: $\varnothing = 78 \text{ mm}$
- weight: 410 g

operating temperature range: -5 ° - + 45 ° C â€¢ storage temperature range: -20 ° - + 60 ° C â€¢ relative humidity range: 20%
80% â€¢ relative humidity range: 20% - 95% Warranty 24 months