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ASI071MC-Cool is one of the most desirable cameras on the market, the object of many astroamers' sighs. Chilled, colorful, perfect for photographs of the Deep Universe.
• matrix: the famous Sony IMX071 APS-C (1.8 ") sensor
• cooling: two-phase cooling Peltier, allows you to reduce the temperature of the matrix from 35-40 degrees relative to the environment
• very low reading noise: 2.3e at 24db gain, 3.3e at the lowest gain
• 14Bit ADC transmitter: true 14-bit dynamic range
• electronic shutter: no problems with vibrations caused by a mechanical shutter
• USB 3.0 port 10fps @ 4944X3284 134fps @ 320X240
• window with a filter, passed from IR to UV
• external dehumidifier tube (silica gel) - there is no need to open the camera housing
• compatible with Windows / MacOS / Linux Technical parameters
• matrix: SONY IMX071 CMOS
• diagonal: 28.4 mm
• resolution: 16 Mega pixels 4944X3284
• single pixel size: 4.78µm
• transmission speed at maximum resolution: 10 fps
• exposure time: 64µs - 2000s
• reading noise: 2.3e @ 24db gain
• shutter type: rolling shutter
• depth of the potential well: 46 ke
• transducer resolution (ADC): 14 bit
• transmission interface: USB 3.0 / USB 2.0
• telescope connector: 2 "/ 1.25", M42 * 0.75
• window protection: yes, with AR layers
• back focus: 17.5 mm
• matrix cooling: $T = 35 - 40$ ° C relative to the ambient temperature
• dimensions:

? = 78 mm â€¢ weight: 500 g â€¢ operating temperature range: -5 ° - + 45 ° C â€¢ storage temperature range: -20 ° - + 60 ° C
range of relative humidity: 20% - 80% â€¢ range of relative humidity of storage: 20% - 95% Warranty 24 months