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ASI071MC-P is one of the most desirable cameras on the market, the object of sighs of many astroamators. Cooled, colorful, with 256 MB buffering and a built-in tilt (adjustable tilt) - this is an excellent photon collector for Deep Universe photography. \bullet matrix: the famous Sony IMX071 APS-C sensor (1.8 μm) \bullet cooling: two-phase Peltier cooling, allows the matrix temperature to be reduced from 35-40 degrees relative to the environment \bullet very low read noise: 2.3e at 24db gain, 3.3e at the lowest gain \bullet 14Bit ADC converter: truly 14-bit dynamic range \bullet electronic shutter: no problems with vibration caused by mechanical shutter \bullet USB 3.0 port 10fps @ 4944X3284 134fps @ 320X240 \bullet window with filter, transmits from IR to UV \bullet external dryer tube (silica gel) - no need to open the camera housing \bullet compatible with Windows / MacOS / Linux \bullet integrated tilter - allows to set the matrix exactly perpendicular to the optical axis \bullet 256 MB DDR3 memory for faster data transfer and reduced amp-glow noise associated with slower transfer, especially when using the USB 2.0 port

Technical parameters \bullet matrix: SONY IMX071 CMOS \bullet diagonal: 28.4 mm \bullet resolution: 16 Mega pixels 4944X3284 \bullet single pixel size: 4.78 μm \bullet transfer speed at maximum resolution: 10 fps \bullet exposure time: 64 μs - 2000 s \bullet read noise: 2.3e @ 24db gain \bullet shutter type: rolling shutter \bullet potential well depth: 46 ke \bullet convert resolution (ADC): 14 bit \bullet transfer interface: USB 3.0 / USB 2.0 \bullet telescope connector: 2" / 1.25", M42 * 0.75 \bullet window protection: yes, with AR layers \bullet back focus : 17.5 mm \bullet matrix cooling: $T = 35 - 40^\circ\text{C}$ relative to ambient temperature \bullet dimensions: $\varnothing = 86\text{ mm}$ \bullet weight: 640 g \bullet operating temperature range: $-5^\circ - +45^\circ\text{C}$ \bullet storage temperature range: $-20^\circ - +60^\circ\text{C}$ \bullet relative humidity range: 20% - 80% \bullet relative humidity range: 20% - 95%

Warranty 24 months

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