

Moravian Instruments



Astronomical Cameras

C0, C1



C1+



C1x



C2



C3



C4



C5



Moravian Instruments Astronomical Cameras



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All deep-sky object images on the opposite page are captured using Moravian Instruments CMOS based C3 and C4 cooled astronomical cameras.

Images of „Eagle“ nebula, „Horse head“ nebula, „Centaurus A“ galaxy, „Running man“ nebula, and „Dumbbell“ nebula by Wolfgang Promper.

Images of „Cone“ nebula, „Helix“ nebula, and NGC3576 nebula by CielAustral group.

C1+

Cameras for astro-photography, research, but also planetary imaging and automatic guiding

- CMOS sensors with 3 to 12 Mpx resolution
- Sensor diagonals up to 17.6 mm
- 12 bit and 14 bit digitization
- Electronic global shutter and rolling shutter variants
- USB3 interface
- Ability to work from USB power only
- Optional 12 V DC power supply
- Active regulated sensor cooling



C0, C1

Cameras for Moon, Sun and planetary imaging, and automatic guiding

- CMOS sensors with 1.5 to 12 Mpx resolution
- Sensor diagonals from 6.3 to 17.6 mm
- 12 bit digitization
- Electronic global shutter
- USB3 interface
- Passive sensor cooling
- USB powered only
- C/CS and T-thread lens and telescope adapters



C1x

Premium cameras for deep-sky astro-photography and research applications

- CMOS sensors with 26 and 61 Mpx resolution
- Sensor diagonals 28.3 mm (APS format) and 43.3 mm (“full-frame” format)
- 16 bit digitization
- Electronic rolling shutter
- USB3 interface
- 12 V DC power supply
- Active regulated sensor cooling
- Optional GPS and trigger input



C2

Cameras for astro-photography, research applications, also capable of planetary imaging

- CMOS sensors with 3 to 12 Mpx resolution
- Sensor diagonals up to 17.6 mm
- Electronic global shutter and rolling shutter variants
- 12 bit and 14 bit digitization
- Mechanical shutter
- USB3 interface
- 12 V DC power supply
- Active regulated cooling



C3

Premium cameras for deep-sky astro-photography and research applications

- CMOS sensors with 26 and 61 Mpx resolution
- Sensor diagonals 28.3 mm and 43.3 mm
- 16 bit digitization
- Electronic rolling shutter
- Mechanical shutter
- USB3 interface
- 12 V DC power supply
- Active regulated cooling



C4

Large pixel cameras for demanding research applications and big telescopes

- 16 Mpx CMOS sensors
- Sensor diagonal 52.1 mm
- 9 µm pixel size
- 12 bit and 16 bit HDR
- Electronic rolling shutter
- Mechanical shutter
- USB3 interface
- 12 V DC power supply
- Active regulated cooling



C5

Ultimate ultra-large sensor cameras for astro-photography and research applications

- CMOS sensors with 100 and 150 Mpx resolution
- Sensor diagonals 54.8 mm and 66.8 mm
- 16 bit digitization
- Electronic rolling shutter
- Mechanical shutter
- USB3 interface
- 12 V DC power supply
- Active regulated cooling

