Rue du Perron 17
1204 Genève
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Sky-Watcher
Be amazed.

Sky-Watcher | Color CMOS camera SynCam 585C

299,00 CHF

VAT included

Availability	**in stock: Geneva / dispatched within 24 h**
Item ref. (SKU)	20141

Color CMOS camera Sky-Watcher SynCam 585C, compact and with passive cooling, 8.3 MP, featuring Sony IMX585 sensor and 2.9 µm pixels.

DESCRIPTION

Designed for advanced astrophotography enthusiasts, the new **Sky-Watcher SynCam 585C** is a compact color CMOS camera with passive cooling, offering a resolution of **8.3 megapixels**. It features the highly regarded **Sony IMX585** sensor, with square pixels of **2.9 µm**.

Its primary use is dedicated to **high-resolution planetary photography**, as well as photography of the Sun and Moon's surface. Thanks to the **very low read noise** and the absence of *glow* phenomenon from its sensor, it is also suitable for deep sky astrophotography, especially for starting to capture **galaxies and nebulae**. Image stacking techniques (*stacking*) or live stacking (*live stacking*) allow for detailed and low-noise images with compatible software.

With its **compact design**, **light weight**, and **small diameter**, the SynCam 585C pairs perfectly with the **Sky-Watcher HAC125DX Honders Minigraph**. Using a larger camera could indeed lead to overloading or partially obstructing the telescope's aperture. Its **black finish** also helps to minimize unwanted reflections.

The **SynCam 585C** is fully compatible with the software ecosystem of **ToupTek Astronomy Inc.** and supported by numerous applications dedicated to acquisition and control in astrophotography.

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Compatible operating systems: Windows, macOS (OS X), Linux, and Android.

Compatible software: ASCOM, SharpCap, Nebulosity, DeepSkyStacker, N.I.N.A., FireCapture, MaximDL, ToupSky, INDI, PHD Guiding, Registax, INDIGO, MetaGuide, and AstroStack.

With its **high performance** and **great versatility**, the SynCam 585C offers a complete and quality astrophotography experience.

The **SynCam 585C** comes with a **dust protection cover**, a **USB 3.0 cable**, and a **M42 to 1.25" adapter**.

- **Backlit color CMOS sensor Sony IMX585**
- **Resolution:** 8.3 megapixels (3840 × 2160 pixels)
- **Pixel size:** 2.9 × 2.9 µm
- **Sensor area:** 11.2 × 6.3 mm
- **Sensor format:** 1/1.2"
- **Telescope connection thread:** T2 × 0.75 mm
- **A/D converter:** 12 bits
- **Memory:** 512 MB
- **G sensitivity:** 5970 mV at 1/30 s
- **Low read noise:** from 6.86 to 1.08 e^-
- **High frame rate:** up to 44 frames/s at 8-bit readout at full resolution
- **Maximum signal-to-noise ratio (SNR):** 43.4 dB
- **Dynamic range:** 75.4 dB
- **Backfocus distance:** 12.5 mm
- **Acquisition modes:** photos and videos
- **Cooling:** passive
- **Dimensions:** Ø 55 mm × 67.5 mm height
- **Weight:** 140.5 g

TECHNICAL SPECIFICATIONS

Total weight	**140.5 g**