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Complete astrophotography solution - Orion Starshoot All-in-One. â€¢ CMOS MT9M034 1/3 "CMOS color camera 3.75 x 3.75 micron â€¢ super fast up to 200 fps for portraying planets and the moon â€¢ A very wide range of exposure times from 0.00002 seconds to 10 minutes for a single frame â€¢ high QE at low noise â€¢ built-in IR-Cut filter and the unique Auto Dark Removal function â€¢ allows astrophotography of galaxies, nebulae and clusters â€¢ the set has an adjustable fixture mounted to the foot of the finder and an 8 mm F / 1.0 lens - ideal for wide-field astrophotography â€¢ has a ST-4 port and can work as a guiding camera â€¢ allows you to run live broadcasts, eg using SKYPE Technical parameters â€¢ range of applications: photography of the Sun, Moon, planets and Messier catalog objects â€¢ matrix: Aptina Color CMOS MT9M034 â€¢ diagonal matrix: 1/3 " â€¢ resolution: 1280 x 960 (1,228,800 px) â€¢ single pixel size: 3.75 x 3.75 ?m â€¢ Possibility to work as an autoguider: yes, it has a ST-4 port â€¢ exposure time range: from 0.00002 sec. To 600 sec â€¢ A / D converter resolution: 8 bit â€¢ thermoelectric cooling: no â€¢ built-in IR filter: yes â€¢ telescope mount: 1.25 "nosepiece â€¢ connection with a computer: USB 2.0 â€¢ compatibility: Windows XP / Vista / 7/8/10 â€¢ binning: 1x1, 2x2 â€¢ weight: 57 g â€¢ elements of the set: camera, USB cable, RJ-12 cable (ST-4), parfocal ring, adapter for the foot of the finder with adjustable rings, nosepiece 1.25 with filter thread, adapter C / CS, lens wide 8 mm F / 1.0, data insert to download the software, metal case