



See what pictures can be taken with CCD cameras and even small astronomical telescopes! Up to 60 frames per second With a frame rate of 60 frames per second, the monochrome camera DMK 21AU04.AS for astronomical observations with a telescope is the fastest in its category. Ideally suited for black and white astrophotography enabling the registration of fast sequences of photos. Using the IC Capture.AS software included with the camera, you can capture image sequences without loss of quality and without compression, as AVI files. Monochrome Sony CCD sensor The DMK 21AU04.AS CCD camera for astronomical applications uses the ICX098BL CCD matrix from Sony. With a 1/4 "format, the matrix has a resolution of 640 x 480 pixels. Noise, even with long exposures, is minimal. Thanks to unsurpassed quality, the ICX098BL matrix is often used in industrial image processing applications. No compression, no filter The CCD DMK 21AU04.AS camera does not use compression, it does not cut the infrared spectrum, it does not use a color or electronic filter. Thanks to this camera very well and realistically reproduces what can be seen in the night sky. Mount to the telescope through C-mount Fixing the camera to the spectacle hood is very easy and fits all lifts in the 1.25-inch standard. Just remove the eyepiece and insert the adapter in its place - the mounting sleeve screwed to the camera (the adapter is part of the set, you do not have to order it additionally). Now all you have to do is tighten the screws that secure the eyepiece in the extractor so that the camera does not fall out when you move / change the position of the telescope. Fast data transfer via USB The Astronomical DMK 21AU04.AS camera generates a fast stream of uncompressed monochrome images. To be able to send it to a computer that supports the camera, a quick connector is necessary. That's why the camera is equipped with a USB 2.0 cable. Software included in the set for Windows This camera is supplied with the WD DCAM TIS camera driver and IC Capture.AS control software. You can find more about the software HERE Technical parameters

- Symbol (manufacturer's mark): DMK 21AU04.AS
- Type: monochrome camera, working on a USB connector, without an infrared cut filter
- Connection method to the computer: USB
- Manufacturer: The Imaging Source
- Matrix / sensor type: CCD
- Type: progressive scan
- Matrix / sensor specification: Sony ICX098BL (PDF)
- Resolution: 640 x 480 pixels
- Exposure time: from 1 / 10000s to 60min
- Reinforcement: 0 - 36 dB
- The number of frames per second at the maximum resolution (FPS): 60

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Mounting the lens: C / CS mount â€¢ Video format at FPS: 640 x 480, Y800 at 60, 30, 15, 7.5, 3.75 fps â€¢ Power supply: from 4.5 to 5.5V through a USB cable â€¢ Power consumption: about 500mA at 5V direct current â€¢ Dimensions: 50.6mm x 50.6mm x 50mm â€¢ Weight: 265g â€¢ Working temperature range: -5 ° C to 45 ° C â€¢ Storage temperature range: -20 ° C to 60 ° C â€¢ Humidity (work): 20% to 80% â€¢ Humidity (storage): 20% to 95%