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Imagin Source DMK 21AU618.AS is: ~~â€¢~~ monochrome USB camera without infrared filter ~~â€¢~~ CCD 1/4 "matrix, progressive scan ~~â€¢~~ 640x480 pixels resolution ~~â€¢~~ up to 60 frames per second ~~â€¢~~ exposures up to 60 minutes ~~â€¢~~ standard C-mount and 1,25 "mounts Up to 60 frames per second The DMK 21AU618.AS astronomical camera allows you to take up to 60 monochrome photos per second. It is an excellent choice for astrophotography techniques that require fast shots. It is used for black and white astrophotography, which is best appreciated by advanced astronomy lovers. IC Capture.AS software included in the set allows for lossless sequence recording in AVI files. Monochrome Sony CCD sensor The CCD DMK 21AU618.AS camera uses the extremely sensitive ICX618ALA matrix from Sony. With a 1/4 "format, the matrix has a resolution of 640 x 480. Noise, even with long exposures, is minimal. Thanks to unrivaled quality, the ICX618ALA matrix is ~~â€¢~~~~â€¢~~ often used in industrial image processing applications. No compression, no filter The CCD DMK 21AU618.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 21AU618.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 camera drivers and IC Capture.AS control software. You can find more about the software [HERE](#) Technical parameters ~~â€¢~~ Symbol (manufacturer's mark): DMK 21AU618.AS ~~â€¢~~ Type: monochrome camera, working on a USB connector, without an infrared cut filter ~~â€¢~~ Connection method to the computer: USB ~~â€¢~~ Manufacturer: The Imaging Source ~~â€¢~~ Matrix / sensor type: CCD ~~â€¢~~ Type: progressive scan ~~â€¢~~ Matrix / sensor specification: Sony ICX618ALA ~~â€¢~~ Resolution: 640 x 480 pixels ~~â€¢~~ Exposure time: from 1 / 10000s to 60min ~~â€¢~~

Reinforcement: 0 - 36 dB Dynamic range: 8bit The number of frames per second at the maximum resolution (FPS) 60 Mounting the lens: C / CS mount Video format at FPS: 640 x 480, Y800 at 60, 30, 15, 7.5, 3.75 fps Power supply: from 4.5 to 5.5V through a USB cable Power consumption: about 500mA at 5V direct current Dimensions: 50.6mm x 50.6mm x 50mm Weight: 265g Working temperature range: -5 ° C to 45 ° C Storage temperature range: -20 ° C to 60 ° C Humidity (work): 20% to 80% Humidity (storage): 20% to 95% See what pictures can be taken with CCD cameras and even small astronomical telescopes!