OK_AM9010 900 megapixel CCD camera cooling

Product Information

Omo high pixel full-frame sensor array KODAK Company, black and white full frame transfer type of large area array sensor, built-in SDRAM to meet the needs of image storage and camera, USB2.0 interface transfer camera images and control the parameters of up to 15m transmission . Intelligent camera control can be the lowest temperature can reach -20 degrees Celsius. Used in celestial observations, aerial images and medical impact of low-light shooting and scientific research applications.

Specifications

- 16 million;
- 16bit quantization;
- 550nm quantum efficiency greater than 60%;
- 128MByte memory, hardware sensor calibration;
- USB2.0/GigE interface board;
- The middle of the cable differential transmission, at least 20 meters;
- Temperature-controlled cooling to 40 degrees below ambient temperature, control accuracy 0.1 degrees;
- Cooling fan status monitoring and troubleshooting;
- Machine sounds an alarm;
- Mechanical shutter interface, reserved;
- With defrost control;
- Reserve flicker measurement module interface screen brightness;
- Provide software interfaces and sample program source code;
- Image acquisition rate of less than 5 seconds;
- Set the exposure time control, 1ms to 1 hour;
- Support the 2 × 2, 4 × 4 binning functions;
- 12V 5A power supply controlled way, 12V 2A fixed power all the way;

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Detailed parameters

Model	AM9010	Pixel clock	2M
Pixel size	9000000	AD conversion accuracy	16bit
Effective Resolution	3056X3056	Gray-scale image	65535
Pixel size	12umX12um	Maximum exposure time	10s
Sensor	CCD	Output	USB2.0/GigE
Sensor Size	36.7mmX36.7mm	Operating Temperature	-40 ℃ ~ 40 ℃
Diagonal	51.9mm	anti-blooming	> 100X
Dynamic Range	84dB	Shot	Linos \ Nikon

Application Fields

OK_AM9010 is used for:

- celestial observations
- aerial images and medical impact of low-light shooting
- scientific research applications