

OK_GAM1610 1600 pixel 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;

Detailed parameters

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|----------------------|-------------------|------------------------|----------------|
| Model | GAM1610 | Pixel clock | 2M |
| Pixel size | 16 million | AD conversion accuracy | 16bit |
| Effective Resolution | 4096X4096 | Gray-scale image | 65535 |
| Pixel size | 9umX9um | Maximum exposure time | 10s |
| Sensor | CCD | Output | USB2.0/GigE |
| Sensor Size | 38.86mm x 38.86mm | Operating Temperature | -40 °C ~ 40 °C |
| Diagonal | 52.13mm | anti-blooming | > 300X |
| Dynamic Range | 76dB | Shot | Linios \ Nikon |

Application Fields

OK_GAM1610 is used for:

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

