

# NIR Area Camera ARTCAM-SWIR series INSTRUCTION BOOKLET

## ARTCAM-2350SWIR ARTCAM-2500SWIR



### Specifications

**Specification of ARTCAM-2350SWIR / ARTCAM-2500SWIR**

Item	Specs
探测器	InGaAs / GaAsSb type-II quantum well
探测波段	1000nm to 2350nm (ARTCAM-2350SWIR) 1000nm to 2500nm (ARTCAM-2500SWIR)
像素数目	320 (Horizontal) x 256 (Vertical)
帧率, 曝光时间	(100fps, 9ms), (100fps, 1ms), (150fps, 6ms), (200fps, 4.5ms), (200fps, 1ms), (250fps, 3.5ms), (300fps, 3ms), (320fps, 2.5ms), (320fps, 1ms)
缺陷率 *1,2	< 1 %
制冷	热电制冷
位长	16-bit (0 to 65535)
接口	CameraLink, Base configuration 16-bit x 1-tap (clock frequency: 48MHz)
工作温度	0 to +35 degC
存储温度	-20 to +40 degC
湿度	30 to 80%RH (non-condensing)
供给电压	DC 24 V ±10 %
能量功耗	≤ 10 A
电源接头	Hirose, LF10WBR-4P
触发/时钟连接器	Weidmuller, S2L-SMT 3.50/04/90G 3.2SN BK BX
外形尺寸	90 x 110 x 170 mm (except lens and projection)
重量	Approx. 2.5 kg
镜头接口	C-mount

\*1: 有缺陷的像素包括在生产过程中被纠正的像素和输出为零的像素。

\*2: 有缺陷的像素原则上随时间的推移而增加。

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### Requirement of power supply for ARTCAM-SWIR series

Item	Specs
Output voltage <sup>*1</sup>	DC 24V
Maximum current	≥ 10 A
Voltage accuracy <sup>*1</sup>	± 10 %
Voltage ripple <sup>*1</sup>	≤ 480mVpp
Operation voltage & temperature	Comparable to ARTCAM-SWIR series
Storage voltage & temperature	Comparable to ARTCAM-SWIR series
Protective function	Overload and overvoltage protection

\*1: Specification at the output end of DC cable for power supply (5m length).

### Spectral Sensitivity

