

Manta G-419 is a machine vision camera that incorporates the high quality Type 1 (16 mm diagonal) CMOSIS/ams CMV4000 CMOS sensor. At full resolution, this camera runs 28.6 frames per second. With a smaller region of interest, higher frame rates are possible.

常规

型号:	Manta G-419
产品系列:	Manta
状态:	Available

传感器

传感器类型:	Area scan
色度:	Mono or Color
光谱:	Visible
分辨率:	2,048 × 2,048 (4.20 MP)
传感器型号:	CMOSIS/ams CMV4000
传感器架构 (材料) :	CMOS
快门类型:	Global Shutter
传感器尺寸:	16.3 mm \varnothing (Type 1)
像素尺寸:	5.50 μm × 5.50 μm

像素格式

传感器位深度:	8-bit or 12-bit
单色像素格式:	Mono8, Mono12, Mono12Packed
YUV像素格式:	YUV411Packed, YUV422Packed, YUV444Packed
RGB像素格式:	RGB8Packed, BGR8Packed, RGBA8Packed, BGRA8Packed
拜耳像素格式:	BayerGB8, BayerGB12, BayerGB12Packed

成像性能

量子效率 @ 529 nm:	74 %
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时序与增益

最大帧率: 28

I/O与电源

特定非电气隔离IO: 1

光电隔离线路: 2 inputs, 2 outputs

电源供应: 8 to 30 VDC AUX or IEEE 802.3af PoE

功耗: External power: 2.7 W at 12 VDC | Power over Ethernet: 3.1 W

工作条件

工作温度 (外壳): 5 °C to 45 °C ambient (without condensation)

机械特性

机身尺寸 (L x W x H mm) : 86 × 44 × 29

重量: 190 g

板载内存与FPGA

图像缓存 (RAM) : 128 MByte

非易失性存储器 (闪存) : 1024 KByte

接口

数字接口: IEEE 802.3 1000BASE-T, IEEE 802.3af (PoE) optional

Quantum Efficiency



