

HR 100GigE

hr927M100GE



Preliminary product information. Features and technical specifications are subject to change without notice.

常规

型号:	hr927M100GE
产品代码:	F004274
产品系列:	HR 100GigE
状态:	Coming soon

传感器

传感器类型:	Area scan
色度:	Mono
光谱:	Visible
光谱范围:	400 nm to 1000 nm
分辨率:	10,248 × 10,248 (105.00 MP)
传感器型号:	Sony IMX927-AMB-C
传感器架构 (材料) :	cmos
快门类型:	global-shutter
传感器尺寸:	28.08 × 28.08 mm (39.71 mm, 39.7mm (Type 2.5))
像素尺寸:	2.74 μm × 2.74 μm

像素格式

传感器位深度:	8-Bit, 10-Bit, 12-Bit
单色像素格式:	mono8, mono10, mono12

时序与增益

最大帧率:	112
曝光时间:	4 μ s to 60 s
增益:	0.0 dB to 48.0 dB

I/O与电源

非电气隔离IO:	0 x LVDS input, 0 x LVDS output, 0 x TTL input, 0 x TTL output, 2 x 24V input, 2 x Open drain output,
特定非电气隔离IO:	0 x RS232 input, 0 x RS232 output, 1 x RS422 input, 1 x RS422 output,
光电隔离线路:	0 x Optical isolated input, 0 x Optical isolated input,
电源供应:	24 to 25VDC
功耗:	External: 28 W (typical)

工作条件

工作温度 (外壳):	-10 °C to 60 °C
------------	-----------------

机械特性

机身尺寸 (L x W x H mm) :	101 x 70 x 70
IP防护等级:	IP30
镜头接口:	M58x0.75
重量:	550 g

板载内存与FPGA

图像缓存 (RAM) :	4032 MByte
非易失性存储器 (闪存) :	32768 MByte

接口

数字接口:	100gige
接口连接器:	(QSFP28)

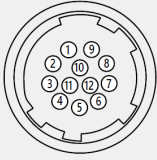
固件功能 - 图像控制

曝光模式:	Manual, Auto, External
增益模式:	Auto, Manual
图像控制功能:	FW Features - Image Control

固件功能 - 相机控制

相机控制功能:	PTP, RDMA support, User Sets, PWM(4), Sequencer,
---------	--

I/O pin assignment



Hirose 12 Pin

1	V In- (GND)
2	V In+ (24 V DC)
3	In 4 (RxD RS232)
4	Out 4 (TxD RS232)
5	In 1 (0 ... 24 V)
6	In 2 (0 ... 24 V)
7	Out 1 (open drain)
8	Out 2 (open drain)
9	In 3+ (opto In+)
10	In 3- (opto In-)
11	Out 3 (open drain)
12	Out 0 (open drain)

preliminary