



常规

型号:	hr342MCX
产品代码:	F004072
产品系列:	HR CoaXPress
状态:	Available

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:	6,464 × 4,852 (31.40 MP)
传感器型号:	Sony IMX342LLA
传感器架构 (材料) :	cmos
快门类型:	global-shutter
传感器尺寸:	22.30 × 16.74 mm (27.88 mm, 27.9mm (APS-C))
像素尺寸:	3.45 μm × 3.45 μm

像素格式

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

成像性能

动态范围: 70.5 dB

信噪比: 39.9 dB

时序与增益

最大帧率: 35.7 fps

曝光时间: 60 μ s (max)

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, 4 x Open drain output,

特定非电气隔离IO: 1 x RS232 input, 1 x RS232 output, 0 x RS422 input, 0 x RS422 output,

光电隔离线路: 1 x Optical isolated input, 0 x Optical isolated input,

电源供应: 10 to 25VDC

功耗: External: 12 W (typical)

工作条件

工作温度 (外壳): -10 °C to 65 °C

机械特性

机身尺寸 (L x W x H mm) : 78 x 70 x 70

滤光片/保护玻璃: N-BK7 - AR coating

IP防护等级: IP30

镜头接口: M58x0.75

重量: 400 g

板载内存与FPGA

非易失性存储器 (闪存) : 160 MByte

接口

数字接口: cxp-6 with 4 connections

接口连接器: (Din1.0/2.3)

固件功能 - 图像控制

曝光模式: Manual, Auto

增益模式: Auto, Manual

固件功能 - 图像控制

图像控制功能:

FW Features - Image Control

固件功能 - 相机控制

触发模式/同步:

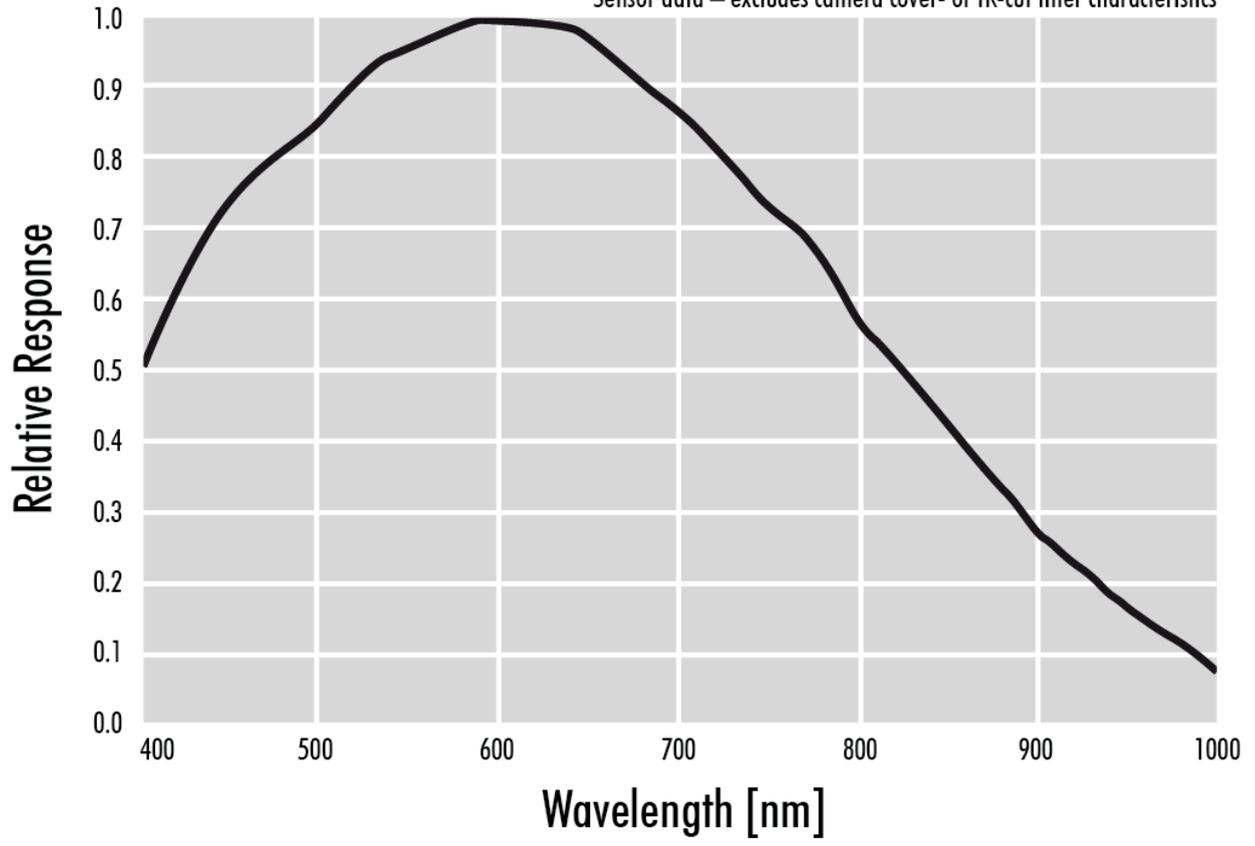
INTERNAL,SOFTWARE,EXTERNAL

相机控制功能:

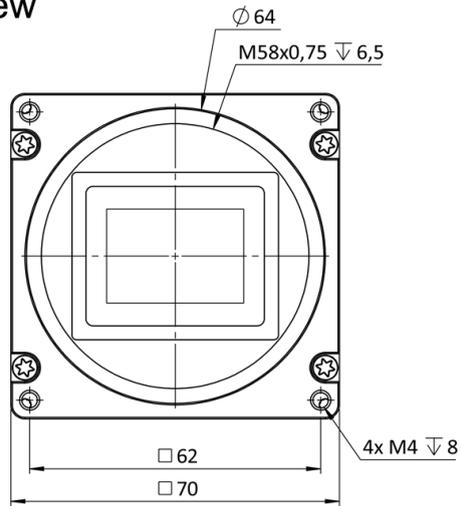
PoCxP, User Sets, PWM(4), Sequencer,

Monochrome

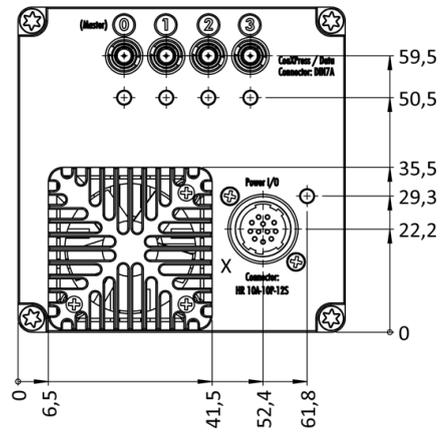
Sensor data – excludes camera cover- or IR-cut filter characteristics



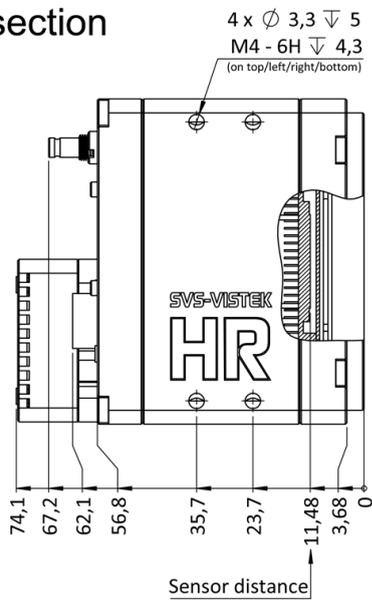
front view



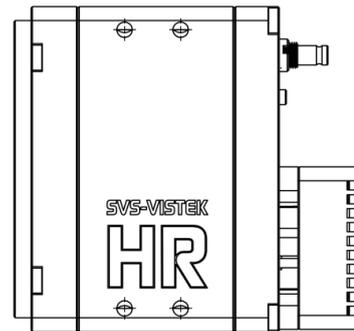
back view



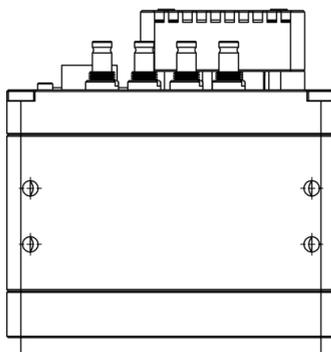
cross section



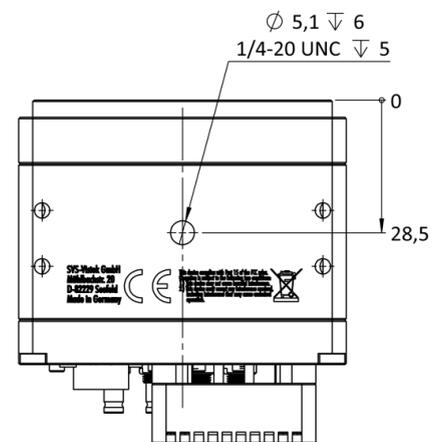
right view



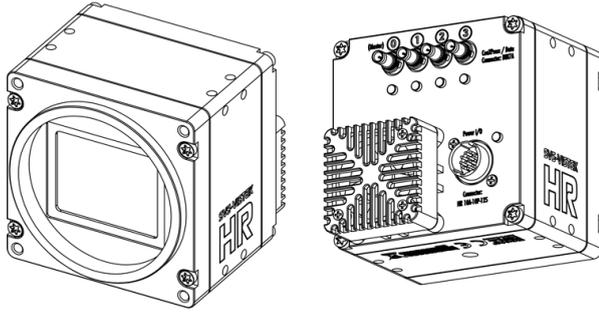
top view



bottom view



3D view



I/O pin assignment



Hirose 12 Pin

1	VIN -	(GND)	7	OUT 1	(open drain)
2	VIN +	(10 V to 25 V DC)	8	OUT 2	(open drain)
3	IN 4	(RXD RS232)	9	IN 3 +	(opto In +)
4	OUT 4	(TXD RS232)	10	IN 3 -	(opto In -)
5	IN 1	(0-24V)	11	OUT 3	(open drain)
6	IN 2	(0-24V)	12	OUT 0	(open drain)