



# Stingray

## F-145



- Versatile camera with Sony ICX285
- Advanced feature set
- Many variants
- Excellent image quality

## 基本描述

Sony ICX285 EXview HAD sensor, IEEE 1394b

The Stingray F-145B/F-145C incorporates the popular Sony ICX285 EXview HAD sensor. In combination with the Stingray's image pre-processing functions like low-noise binning mode and High SNR mode, this camera produces clear and brilliant images even with very low light. At full resolution, it runs at 16 fps. Also available: Stingray F-145B-30fps/F-145C-30 fps.

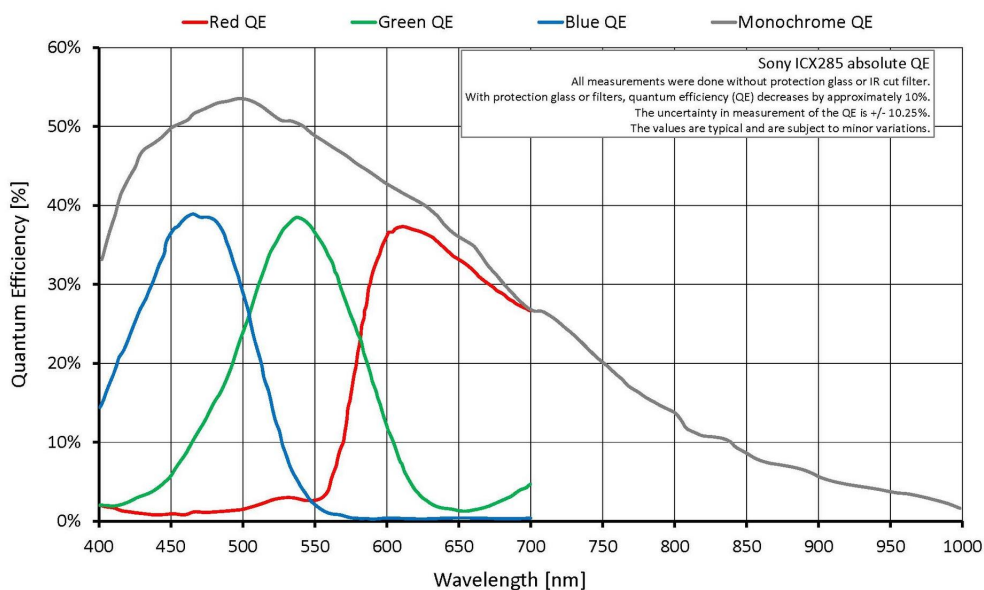
Options:

- IEEE 1394b connectors: 2 x copper (daisy chain), Hirose power: out
- Various IR cut/pass filters, various lens mounts
- Angled head, board level version, white medical housing

## 性能参数

Stingray	F-145
接口	IEEE 1394b - 800 Mb/s, 2 ports, daisy chain
分辨率	1388 (H) × 1038 (V)
传感器	Sony ICX285
传感器类型	CCD Progressive
传感器尺寸	Type 2/3
像元尺寸	6.45 μm × 6.45 μm
标准镜头接口	C-Mount
最大满帧帧率	16 fps
ADC	14 bit
缓存 (RAM)	Up to 128 MByte
非易失性内存 (Flash)	256 KByte (for selected models only)

Stingray	F-145
	输出
Bit位数	8-14 bit
黑白像素格式	Mono8, Mono12, Mono16
RGB彩色像素格式	RGB8
原始像素格式	Raw8, Raw12, Raw16
	通用输入输出(GPIOs)
光耦 I/Os	2 inputs, 4 outputs
RS232	1
	工作条件/尺寸
工作温度	+5 °C to +45 °C
电源要求 (DC)	8 V to 36 V
功耗	<4 W (@ 12 VDC)
重量	92 g
尺寸(L × W × H in mm)	72.9 × 44 × 29 (including connectors)
符合规范	CE: 2014/30/EU (EMC), 2011/65/EU (RoHS); FCC Class B



## 特性

- High SNR mode (up to 24 dB better signal-to-noise ratio)
- Low-noise binning mode
- Shading correction
- Defect pixel correction



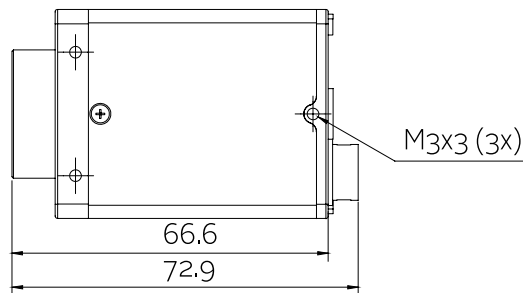
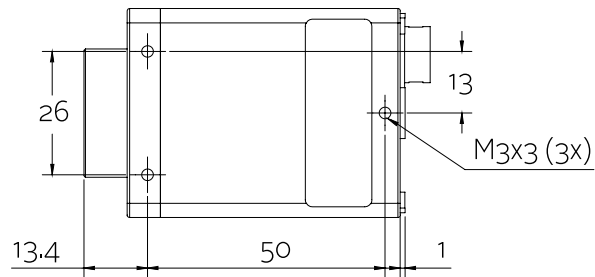
- AOI, separate AOI for auto features
- Binning
- Decimation
- Auto gain (manual gain control: 0 to 24.4 dB)
- Auto exposure (74  $\mu$ s to 67 s)
- Auto white balance
- Look-up table (LUT)
- Hue, saturation
- Color correction
- Local color anti-aliasing
- Reverse X/Y
- Deferred image transport
- Trigger programmable, level, single, bulk, programmable delay
- Sequence mode (changes the camera settings on the fly)
- SIS (secure image signature, time stamp for trigger, frame count etc.)
- Storable user sets
- Non-volatile memory 256 KByte (for selected models only)

## 发货方式

- 相机和1394b数据线一套（特殊要求除外）

## 外形尺寸

2 x 1394b copper





## 应用场景

Thanks to the EXview HAD Sony ICX285 sensor and especially the High SNR mode, defect pixel correction and low-noise binning mode, Stingray F-145B/F-145C cameras are the perfect choice for low-light applications in:

- Industrial inspection and automation
- Logistics
- Science and research
- Healthcare and medical (light grey housing available)
- Solar cell inspection
- LCD panel inspection
- Multimedia and entertainment
- Intelligent traffic solutions (ITS)
- ... and many more

Additionally, it is ideally suited for:

- Demanding OEM camera applications (board level versions with separate sensor board available on request)
- Daisy chaining (two copper connectors)