



hr342



SVS-VISTEK

PRELIMINARY

A new member of the High Resolution (HR) Series

HR series
31.4
MP

26.8 fps **10 GiGE**

35.4 fps **CoXP**



LED

4 INTEGRATED
LED-CONTROLLER

SEQ

INTEGRATED
SEQUENCER

STT

SAFE TRIGGER
TECHNOLOGY

PLC

PROGRAMMABLE
LOGIC CONTROL

new

31.4 Megapixel for maximum performance. The new HR342.

- > 31.4 MP, 3.45 μ m pixel, CMOS sensor (Global Shutter)
- > 35.4 FPS, CoaXPress
- > 26.8 FPS, 10 GigE
- > Advanced I/O and feature concept reduces system complexity
- > Four integrated LED Controller
- > Sequencer, PLC, Safe Trigger



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Scale your vision.

Interface	10 GigE	CoaXPress
Resolution [pix]	6,464 x 4,852	
Framerate [fps]	26.8	35.4
[MP]	31.4	

Specifications Sensor

Sensor	IMX 342
Manufacturer	Sony
Sensor Type	Area CMOS
Shutter Type	global shutter
Chroma	mono or bayer (RGB)
Optical diagonal [mm]	27.9
Sensor Format	APS-C
Pixel size (h x v) [μm]	3.45 x 3.45

Specifications Camera

Exposure modes	Manual, Auto, External
Trigger modes	Internal, Software, External
Exposure time min. [μs]	28
Exposure time max. [sec]	1 (external ∞)
Pixel format [bit]	8 / 10 / 12
Internal memory SDRAM / Flash [MB]	512 / 160

Feature Set

Offset	yes
Readout Control	yes
Binning	yes
Image Flip	yes
LUT	yes
White balance (color)	auto/manual

Specifications Housing

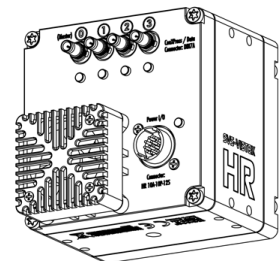
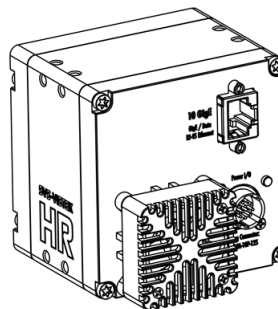
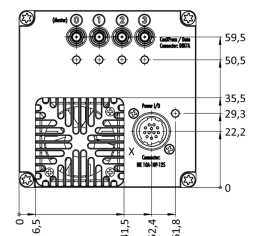
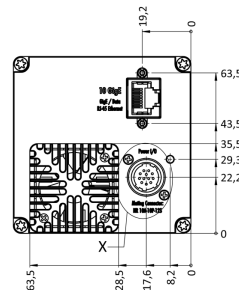
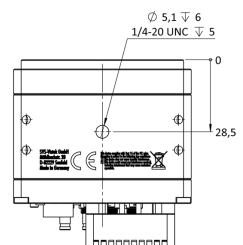
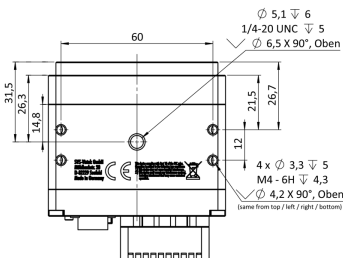
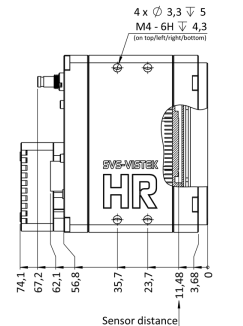
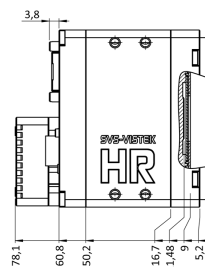
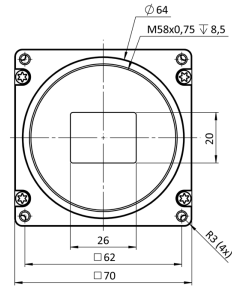
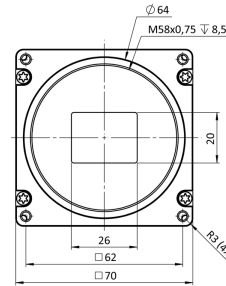
Lens mount	M58 x 0.75
Dimensions (w x h x d) [mm]	70 x 70 x 51
Protection class	IP30
Weight [g]	340

Digital I/O Interfaces

Output open Collector	4x
Output RS-232	1x
Input 24 V	2x
Input RS-232	1x
Opto in	1x

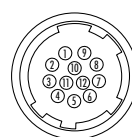
Ordercode

color	hr342CXGE	hr342CCX
mono	hr342MXGE	hr342MCX



Pinout

Power I/O



- | | |
|-----------------------|-----------------------|
| 1 V In- (Gnd) | 7 Out 1 (open drain) |
| 2 V In+ (10 - 25V 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) |

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