



shr411



SVS-VISTEK

PRELIMINARY

Breaking Resolution Limits

SHR series
151
MP

6.5 fps **CXP**



new

LED
4 INTEGRATED
LED-CONTROLLER

SEQ
INTEGRATED
SEQUENCER

STT
SAFE TRIGGER
TECHNOLOGY

PLC
PROGRAMMABLE
LOGIC CONTROL

151 Megapixel for maximum performance. The new SHR411.

- > 151 MP, 3.76 μ m pixel, CMOS sensor (rolling shutter)
- > 6.5 FPS, CoaXPress
- > Advanced I/O and feature concept reduces system complexity
- > Four integrated LED Controller
- > Sequencer, PLC, Safe Trigger



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Scale your vision.

shr411

Interface	CoaXPress
Resolution [pix]	14,192 x 10,656
Framerate [fps]	6.5
[MP]	151

Specifications Sensor

Sensor	IMX 411
Manufacturer	Sony
Sensor Type	Area CMOS
Shutter Type	rolling shutter
Chroma	mono or bayer (RGB)
Optical diagonal [mm]	66.7
Sensor Format	Medium Format
Pixel size (h x v) [μm]	3.76 x 3.76

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 / 12 / 16
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	M72 x 0.75
Dimensions (w x h x d) [mm]	80 x 80 x 63
Protection class	IP30
Weight [g]	380

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	shr411CCX
mono	shr411MCX

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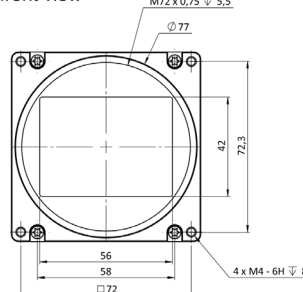
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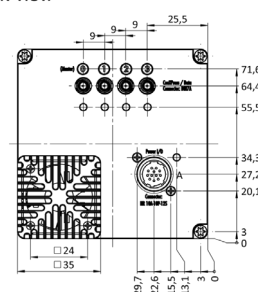
new

Dimensions [mm]

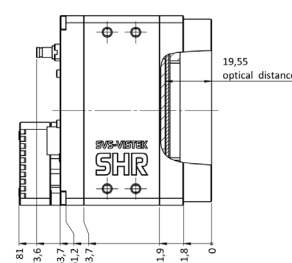
front view



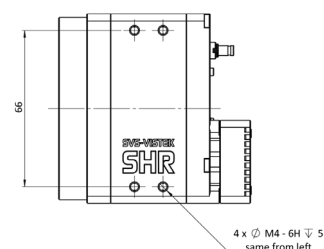
back view



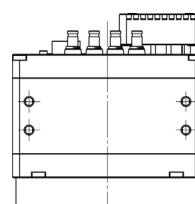
cross section



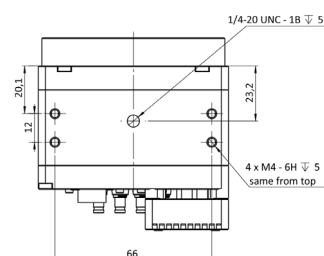
right view



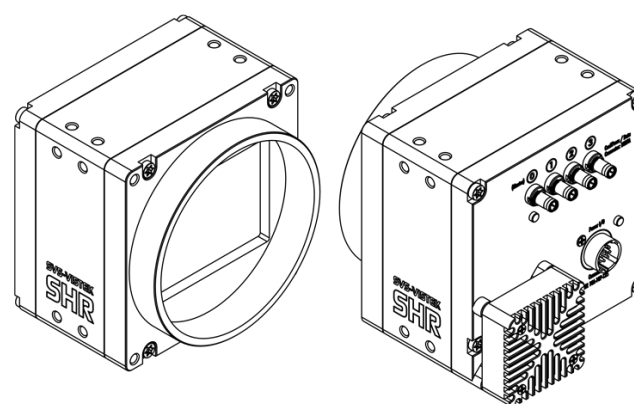
top view



bottom view

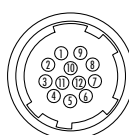


3D view



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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April 2019