



hr387



SVS-VISTEK

PRELIMINARY

A new member of the High Resolution (HR) Series

HR series
16.7
MP

33.4 fps 10 GIGABIT



new

LED

4 INTEGRATED
LED-CONTROLLER

SEQ

INTEGRATED
SEQUENCER

STT

SAFE TRIGGER
TECHNOLOGY

PLC

PROGRAMMABLE
LOGIC CONTROL

16.7 Megapixel for maximum performance. The new HR387.

- > 16.7 MP, 3.45 μm pixel, CMOS sensor (Global Shutter)
- > 33.4 FPS, 10 GigE
- > Advanced I/O and feature concept reduces system complexity
- > Four integrated LED Controller
- > Sequencer, PLC, Safe Trigger



www.svs-vistek.com

SVS-Vistek GmbH / Germany
SVS-Vistek Inc. / USA
SVS-Vistek K.K. / Japan
info@svs-vistek.com
www.svs-vistek.com

Scale your vision.

Interface	10 GigE
Resolution [pix]	5,456 x 3,076
Framerate [fps]	33.4
[MP]	16.7

Specifications Sensor

Sensor	IMX 387
Manufacturer	Sony
Sensor Type	Area CMOS
Shutter Type	global shutter
Chroma	mono or bayer (RGB)
Optical diagonal [mm]	21.7
Sensor Format	4/3
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 55.4
Protection class	IP30
Weight [g]	340

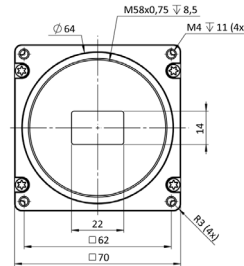
Digital I/O Interfaces

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

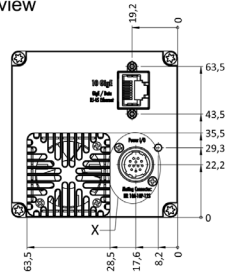
Ordercode

color	hr387CXGE
mono	hr387MXGE

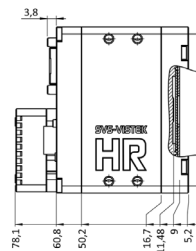
front view



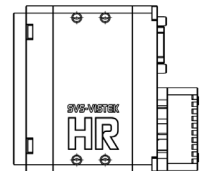
back view



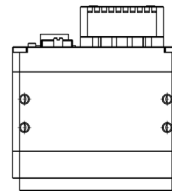
cross section



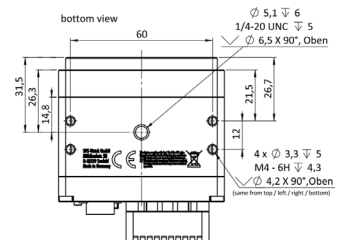
right view



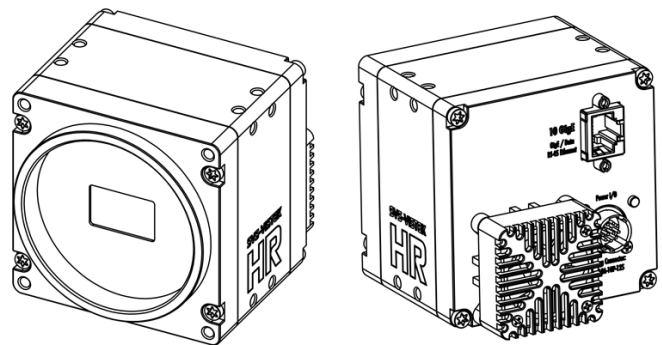
top view



bottom view

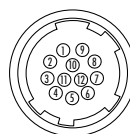


3D view



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)

Germany

SVS-Vistek GmbH
Mühlbachstr. 20
82229 Seefeld
Tel. +49 (0) 81 52 99 85 0
Fax +49 (0) 81 52 99 85 79
info@svs-vistek.com
www.svs-vistek.de

Japan

SVS-Vistek K.K.
Yokohama
Tel. +81 8070 331 689
apac@svs-vistek.com
www.svs-vistek.com

USA

SVS-Vistek Inc.
Carrollton, Texas
Tel. 0800 935-6593
info-usa@svs-vistek.com
www.svs-vistek.com