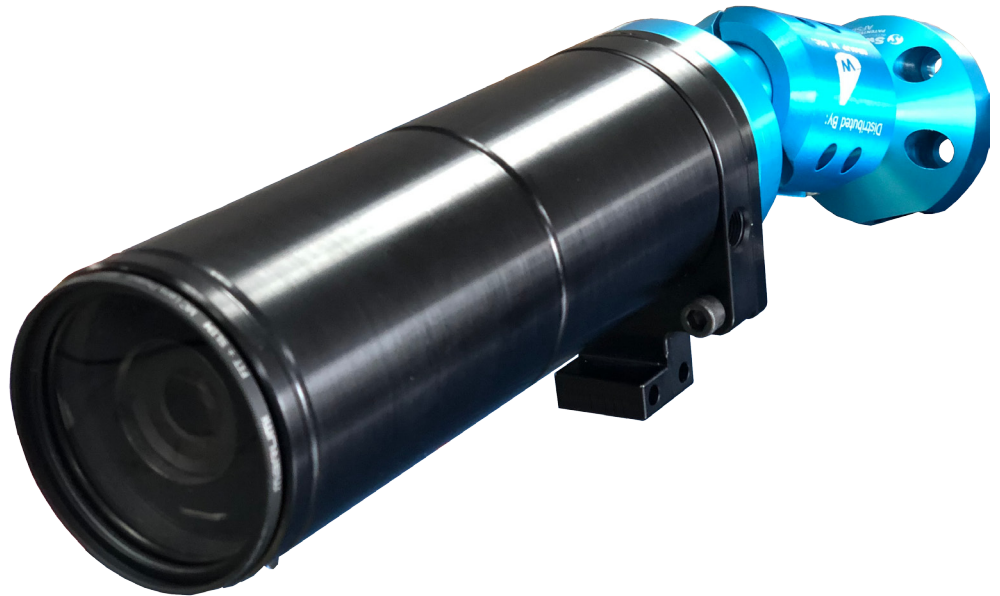


# GigE Vision Camera

## HS-3430-1

- Sony color imager
- 728 × 544 resolution
- 12mm lens
- PoE
- Suitable for harsh environments



### High resolution, high speed video for industrial applications

IVC's HS-3430-1 is a 0.40 megapixel GigE machine vision camera that incorporates the high quality Type 1/2.9 (6.3 mm diagonal) Sony IMX287 CMOS sensor. At full resolution, this camera runs 250 frames per second. With a smaller region of interest, higher frame rates are possible. The HS-3430-1 is an ideal replacement for legacy CCD models.

The camera is housed in a small form factor industrial grade enclosure. It is ideal for use in harsh industrial conditions. The enclosure is rated IP66.

PoE compliant, single cable installation makes the camera easy to install. The HS-3430-1 includes three opto-isolated outputs, and a 64 MB image buffer.

## ► specifications

<b>Imager</b>	1/2.9" Sony IMX287 CMOS
<b>Pixel size</b>	6.90 $\mu\text{m}$ $\times$ 6.90 $\mu\text{m}$
<b>Lens mount</b>	C-Mount
<b>ADC</b>	12 bit
<b>Image buffer (RAM)</b>	64 MByte
<b>Quantum efficiency at 529 nm</b>	64 %
<b>Temporal dark noise</b>	3.2 $e^-$
<b>Saturation capacity</b>	21200 $e^-$
<b>Dynamic range</b>	74.4 dB
<b>Focal Length</b>	12 mm
<b>Absolute sensitivity threshold</b>	4.1 $e^-$
<b>YUV color pixel formats</b>	YUV411Packed, YUV422Packed, YUV444Packed
<b>RGB color pixel formats</b>	RGB8Packed, BGR8Packed
<b>Raw pixel formats</b>	BayerRG8, BayerRG12, Bayer-RG12Packed
<b>Ethernet</b>	IEEE 802.3 1000BASE-T
<b>Resolution</b>	728 (H) $\times$ 544 (V)
<b>I/O</b>	1 input, 3 outputs
<b>Frame Rate</b>	250 fps
<b>Weight</b>	3 lbs.
<b>Voltage Required</b>	12 to 24 VDC or, IEEE 802.3af compliant PoE
<b>Power Consumption</b>	2.43 W at 12 VDC; 2.69 W PoE
<b>Operating Temperature</b>	+5 $^{\circ}\text{C}$ to +45 $^{\circ}\text{C}$
<b>Dimensions</b>	2.5" D $\times$ 7.25" L 13" with mount arm fully extended
<b>Rating</b>	IP66

## ► features



IEEE 802.3af compliant PoE



Rated IP66 for all weather applications

## ► ordering information

HS-3430-1

## ► IVC camera management software

### Point & click camera management & control

Robust, enterprise class software to manage and control your cameras and video from anywhere in the world.



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