Data Sheet - ViM 43GX900



Visus Series

ViM 43GX900

- IMX900 Pregius S Sensor
- 3.1 MP
- GigE Vision compliant
- Trigger and I/Os
- C Mount

The Visus series camera ViM 43GX900 with a Sony IMX900 sensor delivers 43 frames per second with a resolution of 2048x1536 (3.1 MP).

The Imaging Source's Visus series GigE cameras are built to meet the demands of modern machine vision, delivering performance, efficiency, and integration flexibility. With a compact industrial housing and streamlined internal architecture, Visus series cameras enable high-performance imaging with a reduced hardware footprint.

The series offers seamless integration into existing GigE Vision and GenICam-based workflows, minimizing engineering overhead and accelerating time to market. Lower power draw and efficient thermal design reduce system complexity and help keep integration simple. Whether you're designing high-throughput inspection systems or scaling industrial automation, Visus series cameras provide a reliable and future-proof platform to support your machine vision applications.

The GigEVision standard allows for rapid integration into new and existing applications via The Imaging Source's IC Imaging Control 4 SDK as well as most other third-party image processing libraries.

Note: This Data Sheet is intended to provide a summary overview for an individual camera model.
The Imaging Source's website also offers information on spectral sensitivity, dimensional diagrams, sensor data sheets, STEP files as well as our full product catalog. For comprehensive technical information, please refer to the Technical Reference Manual specific to each camera model.
www.theimagingsource.com

1 Quick Facts

General	
Vision Standard	GigE Vision
Resolution	2048x1536
Dynamic Range	12 bit
Frame Rate at Full Resolution	43

Optical Interface	
IR-Cut filter	No
Sensor Type	Sony IMX900
Shutter Type	Global
Sensor Format	1/3.1 inch
Pixel Size	2.25 µm
Lens Mount	C

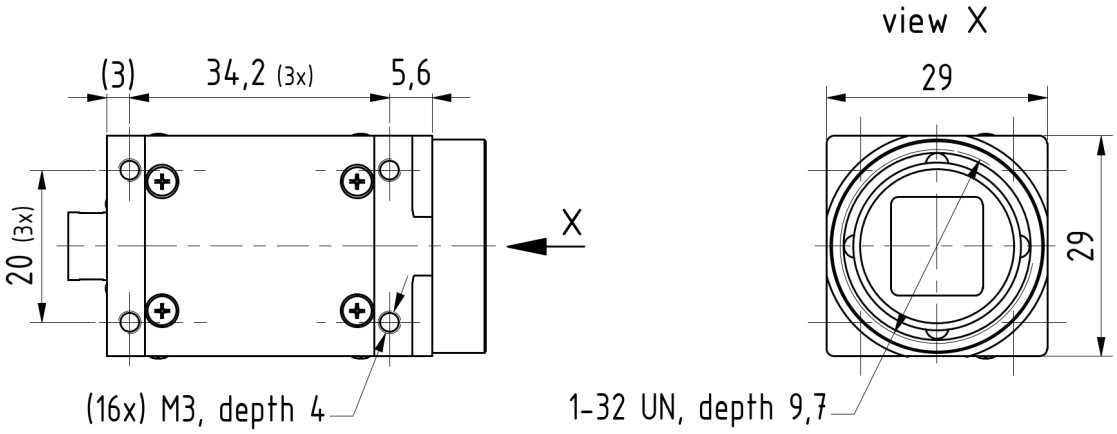
Electrical Interface	
Interface	GigE
Supply Voltage	8 VDC to 25 VDC or PoE: 48 VDC to 56 VDC
Current Consumption	approx 140 mA @ 12 VDC
Power Consumption	approx 2.3 W PoE

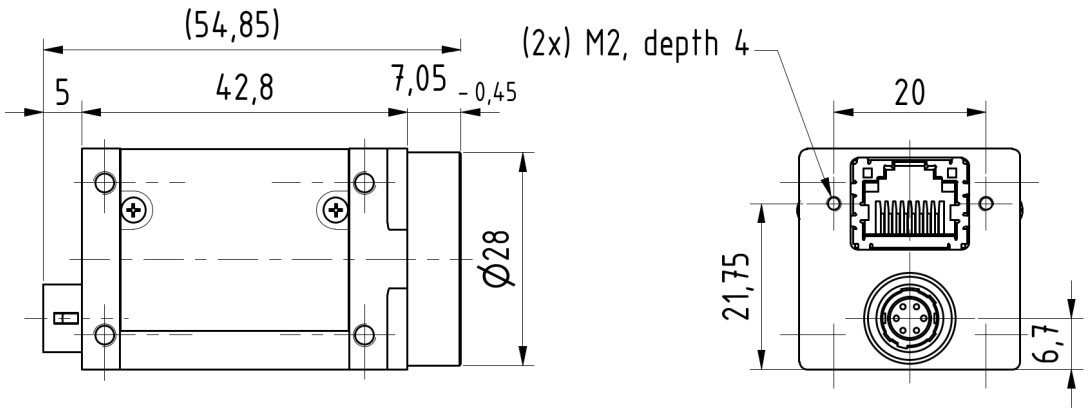
Mechanical Data	
Dimensions	H: 29 mm, W: 29 mm, L: 44 mm
Mass	63 g

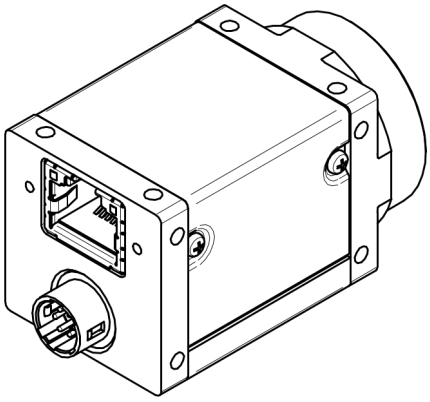
Environmental Conditions	
Housing Temperature (operating)	0 °C to 55 °C
Temperature (storage)	-20 °C to 80 °C
Humidity (operating)	20 % to 80 % (non-condensing)
Humidity (storage)	20 % to 95 % (non-condensing)

2 Dimensional Diagrams

2.1 ViM 43GX900 C-Mount without Tripod Adapter







Scale: 1 : 1
Dimensions: mm
Tolerances: DIN ISO 2768-m
310-24-03-00-00-b

3 Spectral Characteristics

3.1 Spectral Sensitivity - IMX900

