



Visus IP67 Series ViC 47GR2020-I67

- AR2020 CMOS Sensor
- 19.7 MP
- GigE Vision compliant
- Trigger and I/Os
- M12x0.5 Mount
- IP67 Ingress Protection



The Visus IP67 series camera ViC 47GR2020-I67 with a OnSemi AR2020 sensor delivers 6 frames per second with a resolution of 5120x3840 (19.7 MP).

The Imaging Source's Visus IP67 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 IP67 series cameras enable high-performance imaging with a reduced hardware footprint.

The series features The Imaging Source's [S-Ultra](#) S-Ultra M12 S-Mount lenses and 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 IP67 series cameras provide a reliable and future-proof platform to support your machine vision applications.

The GigE Vision 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	5120x3840
Dynamic Range	10 bit
Frame Rate at Full Resolution	6

Optical Interface	
IR-Cut filter	No
Sensor Type	OnSemi AR2020
Shutter Type	Rolling
Sensor Format	1/1.8 inch
Pixel Size	1.4 µm
Lens Mount	M12x0.5

Electrical Interface	
Interface	GigE
Supply Voltage	4.75 VDC to 14 VDC or PoE: 48 VDC to 56 VDC
Current Consumption	approx 150 mA @ 12 VDC
Power Consumption	approx 2.3 W PoE

Mechanical Data	
Dimensions	H: 43 mm, W: 43 mm, L: 62 mm
Mass	124 g
Protection Class	IP6K6, IP6K7 (ISO 20653) *

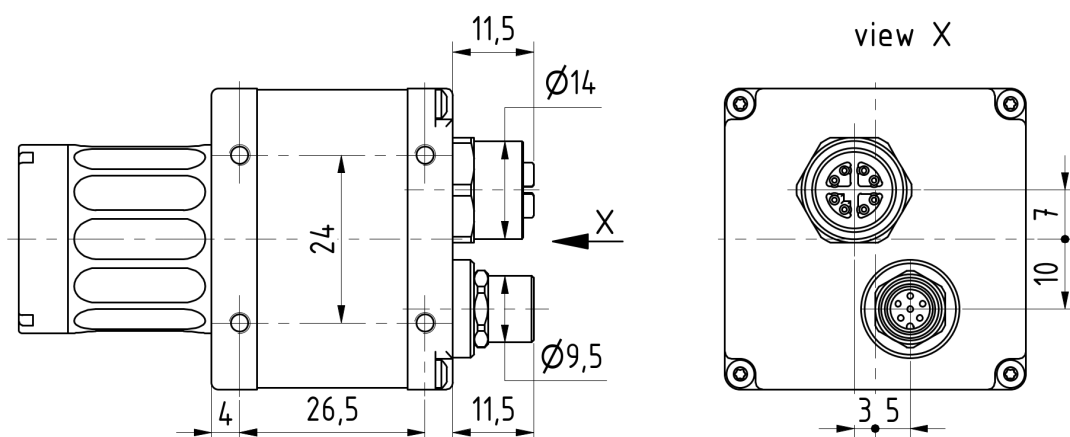
*) Protection only applies while an IP67-rated M12 ethernet cable and either an IP67-rated M8 I/O cable or an IP67-rated M8 port protection cap is attached and the lens tube is fastened.



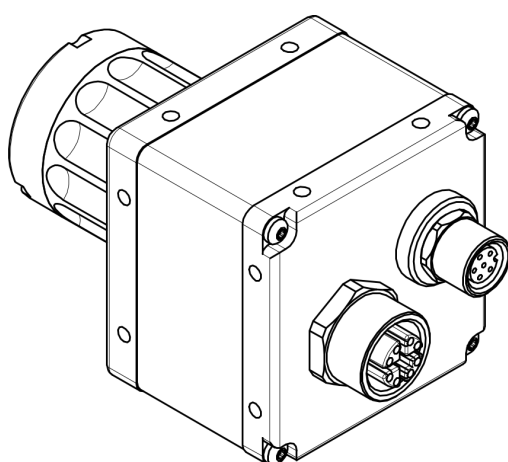
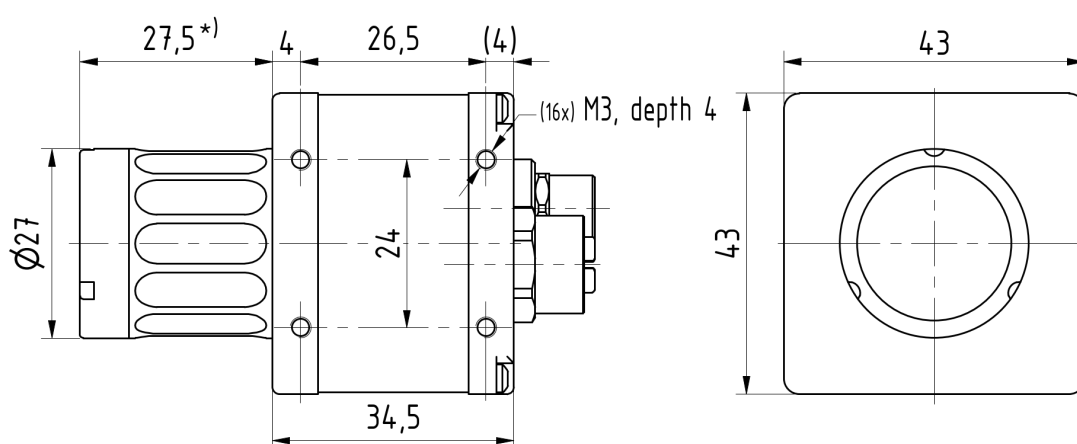
Environmental Conditions	
Housing Temperature (operating)	0 °C to 50 °C
Temperature (storage)	-20 °C to 80 °C
Humidity (operating)	20 % to 80 % (non-condensing)
Humidity (storage)	20 % to 95 % (non-condensing)

2 Dimensional Diagrams

2.1 ViC 47GR2020-I67 without Tripod Adapter



*) available in
different lengths



Scale: 1 : 1
Dimensions: mm
Tolerances: DIN ISO 2768-m
317-25-01-02-00-a



3 Spectral Characteristics

3.1 Spectral Sensitivity - AR2020

Sensor: onsemi AR2020 *courtesy of onsemi*

