



GM463-U2 Specifications



Version: Draft

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Technical Specifications

Parameters	Value
Technical principle	Active stereo
Illumination	1 × infrared laser ($\lambda = 850 \text{ nm}$)
Frame rate ¹ @ resolution (Depth)	12 fps @ 1280 × 800 30 fps @ 640 × 400 30 fps @ 320 × 200
Frame rate ² @ resolution @ image format (RGB)	33 fps @ 1280 × 960 @ JPEG 33 fps @ 640 × 480 @ JPEG 33 fps @ 320 × 240 @ JPEG
RGB-D alignment	✓
Output data	Depth, RGB, IR, point cloud images

[1] **Frame rate of depth images:** The number of depth images received by the host computer per second from the camera. This is when the camera is working in continuous capture mode.

[2] **Frame rate of RGB images:** The number of RGB images received by the host computer per second from the camera. This is when the camera is working in continuous capture mode.

Measurement Performance

Parameters	Value
Working distance	Recommended: 300 mm ~ 3000 mm Max: 150 mm ~ 5000 mm
Near field of view	521 mm x 375 mm @ 300 mm (H/V $\approx 82^\circ/64^\circ$)
Far field of view	5498 mm x 3749 mm @ 3000 mm (H/V $\approx 85^\circ/64^\circ$)

Software Specifications

Parameters	Value
OS	Linux/Windows/ROS
SDK	Vcamera SDK: C++, C#, Python Camport4 SDK: C++ See PercipioDC documentation for more SDK tutorials.

Hardware Specifications

Parameters	Value
Dimension	90 mm × 25 mm × 25 mm
Weight	78 g
Power & Data connector	USB2.0 Type-C
Power supply	5V DC, ≥1.5A
Power consumption	<3.5 W
Housing material	Aluminum alloy
Ingress protection	IP5X
Thermal dissipation	Passive
Temperature	Operating: -10 °C ~ 50 °C Storage: -20 °C ~ 55 °C

Mechanical Dimensions

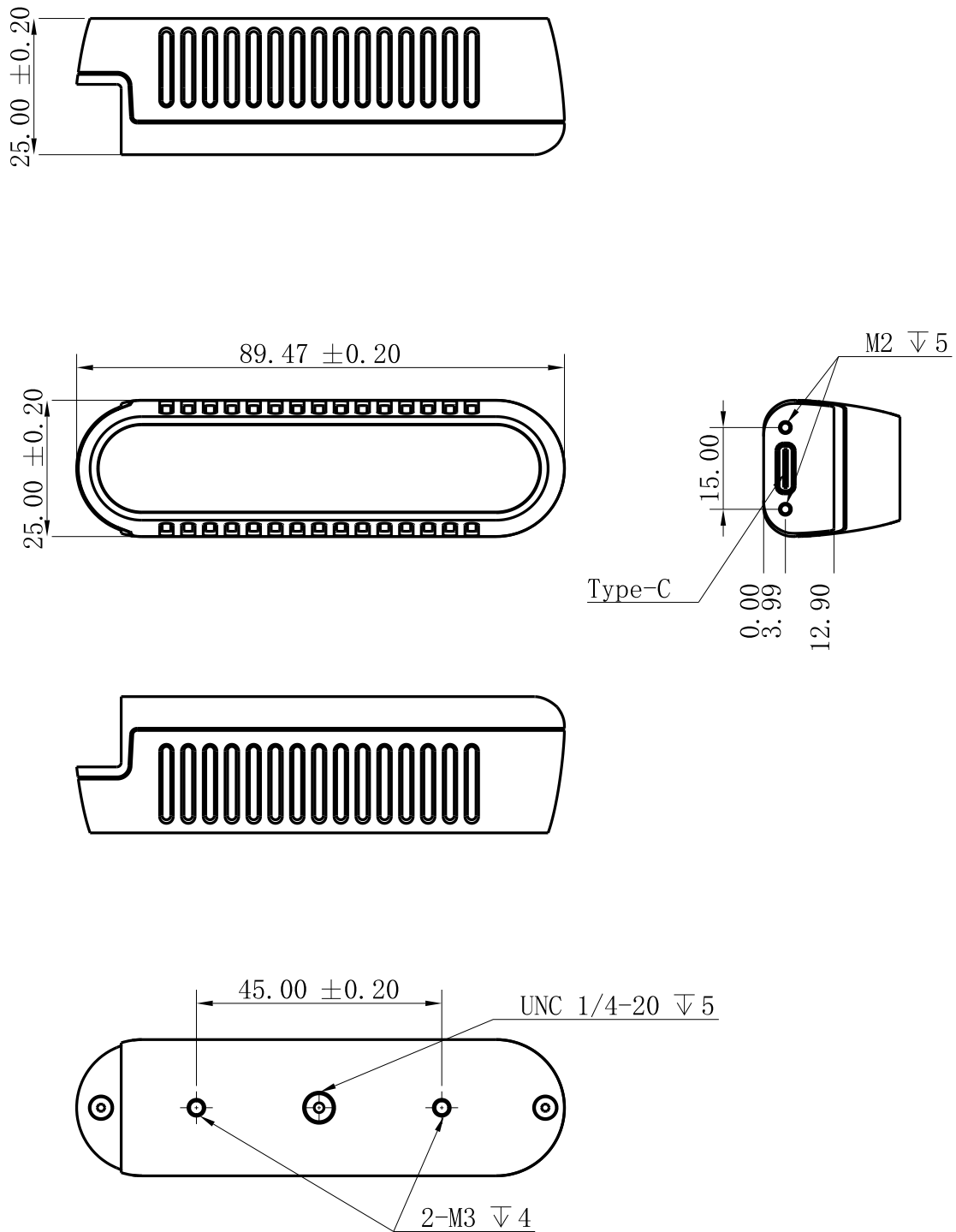


Figure 1 GM463-U2 Mechanical dimensions (unit: mm)

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Percipio is an independent vendor of 3D machine vision solutions. We provide products and services to system integration customers rather than end users. This marketing strategy allows us to serve multiple sectors and segments, and also means that our success will be based on our customer's success. Together with our customer's industry specific expertise, we can support end users with implementing machine intelligence, which will improve productivity and/or reduce cost.

Affordable 3D Machine Vision

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Documentation : doc.percipio.xyz/cam/latest/en/index.html

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