



# More Precision

**Industrial Performance Unit** for automated 3D measurements



# Industrial PC for GigE Vision Sensors

## Industrial Performance Unit

Powerful solution for 3D measurement tasks

Full compatibility for inline processes in customer applications

Intuitive 3DInspect software with Valid3D technology from Micro-Epsilon

Fast commissioning of Micro-Epsilon sensors

Integrated interfaces: EtherCAT, PROFINET, EtherNet/IP

Industrial-grade hardware with passive cooling



### The powerful solution for 3D measurement tasks

The Industrial Performance Unit is a powerful computing platform for the efficient commissioning of Micro-Epsilon sensors and systems, which offers full compatibility for inline processes in customer applications.

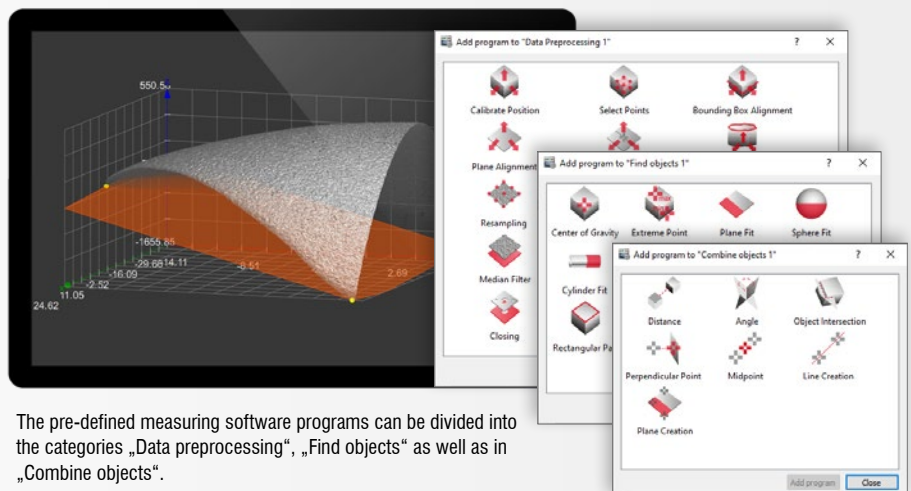
You can connect Micro-Epsilon sensors to the Industrial Performance Unit via the GigE Vision standard. The intuitive 3DInspect software with Valid3D technology from Micro-Epsilon enables simple sensor parameter setting, which allows measurements to start immediately. The Industrial Performance Unit directly processes three-dimensional data, which is subsequently evaluated and assessed via the 3DInspect software. Results can be output via the integrated EtherCAT, PROFINET and EtherNet/IP interfaces.

The flexible, industrial-grade hardware with passive cooling allows easy and space-saving installation. Therefore you can install this unit in a control cabinet or mount it directly in the machine. You can easily connect accessories such as monitor, mouse and keyboard.



### 3DInspect: Powerful software for all Micro-Epsilon 3D sensors included in the scope of delivery

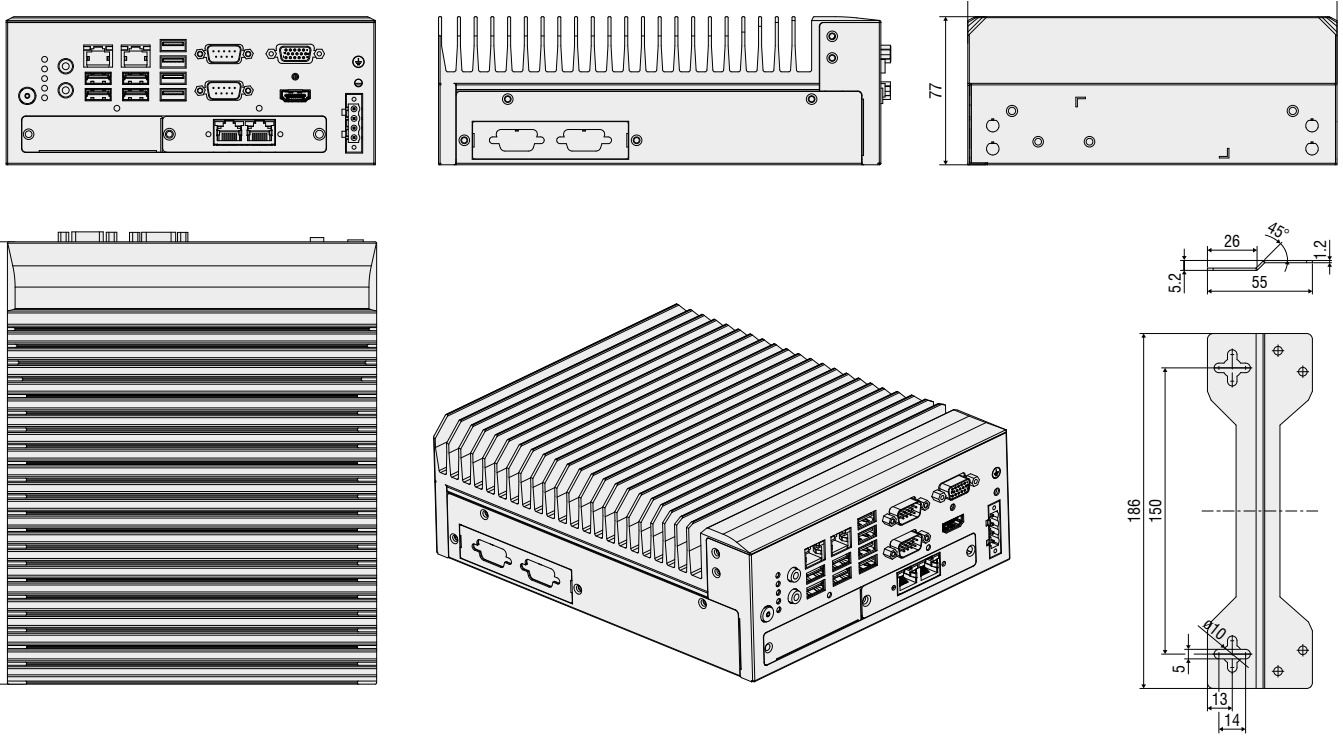
- Very user-friendly and intuitive user concept
- Visual feedback for easy sensor positioning
- Fast evaluation and analysis of the complete test object due to measuring programs which can be set easily
- Real 3D without data loss: Valid3D



The pre-defined measuring software programs can be divided into the categories „Data preprocessing“, „Find objects“ as well as in „Combine objects“.

Model	Industrial Performance Unit	
RAM	16 GB	
Memory	128 GB SSD	
Supply voltage	9 ... 36 V DC	
Power consumption	typ.	50 W
	max.	112 W
Digital interfaces	Gigabit Ethernet (GigE Vision / GenICam) / PROFINET / EtherCAT / EtherNet/IP	
Connection	4-pin supply terminal strip; 2x RJ45 for Gigabit Ethernet; 2x RJ45 for Industrial Ethernet (PROFINET, EtherCAT or EtherNet/IP); 1x HDMI, 1x VGA, 4x USB3.2 (Gen1); 4x USB2.0	
Mounting	Mounting holes; accessories for table or wall mounting and DIN rail mounting	
Temperature range	Storage	-40 ... +85°C
	Operation <sup>1)</sup>	0 ... +50 °C
Shock (DIN EN 60068-2-27)	20 g / 11 ms half-sine	
Vibration (DIN EN 60068-2-6)	3 g / 5 ... 500 Hz	
Protection class (DIN EN 60529)	IP40	
Material	Metal housing	
Weight	2.8 kg	
Control and indicator elements	2 LEDs for storage and power; 4 LEDs for Ethernet status display 1 power on/off switch	
Special features	Windows 10 IoT Enterprise	

<sup>1)</sup> Max. permissible operating temperature with 0.7 m/s air blow



Two mounting rails for table and wall mounting are included in delivery

