## Cambrian vision system datasheet

## Data

$\frac{\text { Precision values* }+/-}{\text { Max. precision } \mathrm{X} / \mathrm{Y}}$
Max. precision Z
Rotation precision $\mathrm{X} / \mathrm{Y}$
Rotation precision Z
Prediction time
Working distance
Minimum size of parts
Part coverage standard cameras

3D technology
Parts coverage

## Hardware

Cameras
Image resolution
Frame rate
Pixel size
Optical area
Exposure time (minimum -
maximum)
Computer unit
Operating system
Network switch
Cables

Power Supply

## Cameras

| Standard camera module |  |
| :--- | :--- |
| 1 mm | 0.2 mm |
| 1.5 mm | 0.8 mm |
| $2,5^{\circ}$ | $1^{\circ}$ |
| $1^{\circ}$ | $0.3^{\circ}$ |

< 200ms
100 mm to 800 mm (standard camera module), custom camera modules can have higher working distances

1 mm * 1 mm * 1 mm
From 5 mm * 5 mm * 5 mm to 200 mm * 200 mm * 200 mm For larger parts, we supply a different camera module.

AI/Neural network. No Structured light needed.
Wide range of parts incl. Black, Shiny and Transparent parts, including some cable configurations.

IDS UI-5880CP-C-HQ Rev. 2
$3088 \times 2076$, 6,41 Mpix
17.0 fps
$2.40 \mu \mathrm{~m}$
$7.410 \mathrm{~mm} \times 4.980 \mathrm{~mm}$
0.032 ms - 999 ms

Linux Ubuntu 18.04
Netgear 8 port GS308P
Ethernet CAT7 Flat cables

Power over Ethernet (PoE) IEEE
802.3af
or $12 \mathrm{~V}-24 \mathrm{~V}$

[^0]Power consumption
Computer
1.8 W-2.9 W (per Camera)

AC Adapter O/P: DC 19.5V/330W
$29.0 \mathrm{~mm} \times 29.0 \mathrm{~mm} \times 29.0 \mathrm{~mm}$
$100 \mathrm{~mm} \times 81 \mathrm{~mm} \times 32 \mathrm{~mm}$
220 g
AL
IP 30 (IP65/67 version can be provided on request)
M3 (provided with the package)
$283 \times 268 \times 139 \mathrm{~mm}$
4.2 kg
$0^{\circ} \mathrm{C}$ to $55^{\circ} \mathrm{C}$, passive cooling
$-20^{\circ} \mathrm{C}$ to $60^{\circ} \mathrm{C}$
20 \% to 80 \%


[^0]:    *These are standard values, can be improved with a custom camera module. Values are given for estimate only and cannot be guaranteed as they depend on the use case.

