**At a glance**
- Top-of-the-line scanner range for industrial use
- Stand-alone “Plug & Work” products calibrated in the factory (integrated computer)
- High resolution images
- Ultra rapid scan: 0.2 second for 1 million 3D points
- Comparison of a point cloud to a CAD file (option)
- 3D vision system for either robotic or non-robotic applications (bin picking, localization, identification and measurement, etc.)
- Lighting with structured light (Blue LED)

**Your benefits**
- Quick profitability
- High immunity to ambient light
- Limited safety problematic (the laser is replaced by a LED proven technology)
- Easy integration in a robotized or unrobotized industrial process
- Simplified implementation of communication protocols
- Easy parameter setting on the Eyesberg3D vision application (option)
- Connectable, parameterizable, and programmable via a WebServer or a screen/mouse direct interface

**Cirrus 3D model**

<table>
<thead>
<tr>
<th>Cirrus 3D model</th>
<th>Cirrus 3D</th>
<th>Cirrus 800</th>
<th>Cirrus 1200</th>
<th>Cirrus 2000</th>
<th>Cirrus 3000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vision volume in mm (LxWxH)</td>
<td>150x150 x50</td>
<td>300x300 x120</td>
<td>600x600 x300</td>
<td>800x800 x500</td>
<td>1200x1200 x1000</td>
</tr>
<tr>
<td>Minimum work distance in mm</td>
<td>300</td>
<td>450</td>
<td>850</td>
<td>1150</td>
<td>1750</td>
</tr>
<tr>
<td>3D image resolution in mm (Z)</td>
<td>0.1</td>
<td>0.2</td>
<td>0.4</td>
<td>0.8</td>
<td>1.5</td>
</tr>
<tr>
<td>Cmos sensor resolution</td>
<td>4 Mp</td>
<td>4 Mp</td>
<td>4 Mp</td>
<td>4 Mp</td>
<td>4 Mp</td>
</tr>
<tr>
<td>Sensor dimensions in mm (LxWxH)</td>
<td>207x95 x203</td>
<td>207x95 x203</td>
<td>400x95 x203</td>
<td>400x95 x203</td>
<td>600x95 x203</td>
</tr>
<tr>
<td>Sensor weight (Kg)</td>
<td>6</td>
<td>6</td>
<td>8</td>
<td>8</td>
<td>11</td>
</tr>
</tbody>
</table>

**Common features of all models**
- Scanning speed: 0.2s to 1s
- Number of 3D points: up to 6 million per scan
- Information processing software (option): Eyesberg3D
- Calibration: Precalibrated in the factory
- Communication interface: Ethernet
- Digital Inputs/Outputs: 24 VDC, 4 inputs, 3 outputs
- Box material: Anodised aluminium
- Connectors: Power and Inputs/Outputs, VGA, Ethernet RJ45, USB
- Power Supply: 24 VDC / 6A max
- Light source: LED
- Operating temperature: 0°C to 50°C
- IP: 65

**Software (option)**
Visio NERF Eyesberg3D software solution, enabling the implementation of the following types of applications:
- localization of unit parts,
- localization by a robot of parts in bulk (Bin Picking),
- correction of a robot trajectory for deburring, polishing, etc.
- 3D inspection of parts of any size.
- Identification of parts (one out of several hundred different references) in a heterogeneous flow.

More detailed information on these various modules is accessible in the Eyesberg3D documentation.

The Eyesberg3D software solution is installed in the factory directly on the CIRRUS3D integrated computer and works as soon as the sensor is plugged in.
With the new VISIO NERF 3D sensor, integration in your industrial process is easy. CIRRUS 3D is specially designed to be integrated in your installation without requiring any specific development.

Whether CIRRUS 3D is used as a fixed or mobile component equipped or not with the EYESBERG software* (patented technology), it enables implementing very high-quality vision/robotic applications with an unequalled effectiveness.

These scanners especially dedicated to industry use are practically insensitive to the environment, dust, dirt, or luminosity variations, and so guarantee an unprecedented reliability and robustness to your installations.

Assembling, measuring, identifying and localizing operations performed on unit parts or in bulk quantities (Bin Picking) are industrial applications in which the CIRRUS 3D range will bring you an excellent return on investment.

Stand-alone “Plug & Work” sensor
Ultra rapid scan: 0.2 second for 1 million 3D points
Blue LED
High-performance integrated processor for 3D point calculations
Sealed industrial connectors (Power and Inputs/Outputs, VGA, Ethernet RJ45, USB)
Outstanding cooling
High level of protection

6 sensors
6 working ranges
6 volumes of view

Cirrus 150
300
150 x 150 x 50

Cirrus 300
450
300 x 300 x 120

Cirrus 600
850
600 x 400 x 300

Cirrus 800
1150
800 x 600 x 500

Cirrus 1200
1750
1200 x 1000 x 1000

Cirrus 1200s
2800
1200 x 1000 x 1000

*EYESBERG3D: smart localization thanks to CAD models

Information is subject to change without notice