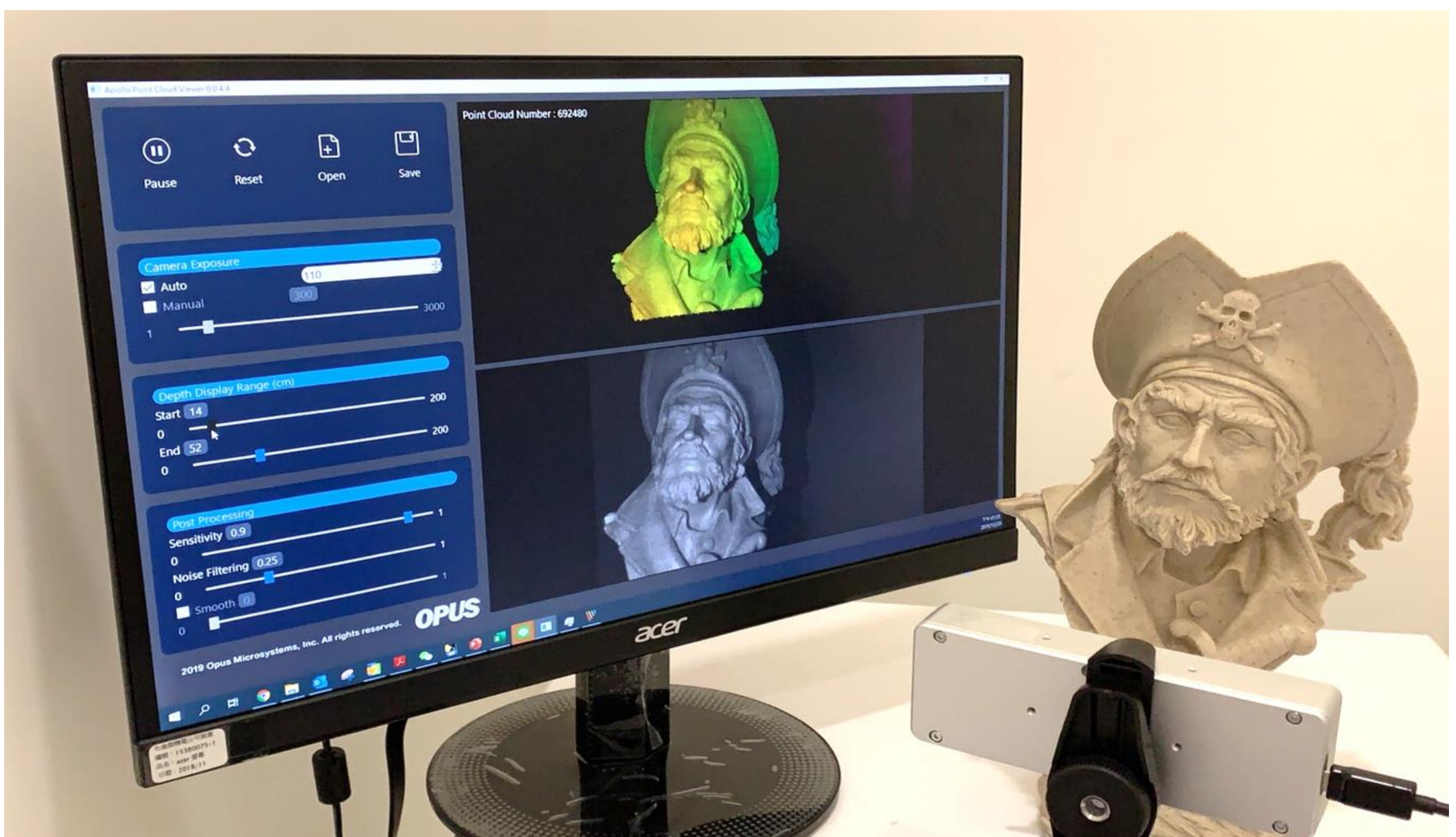


Opus 3DSLIM™ AP 1

Product Brief

Dynamic Structured Light 3D Depth Camera

Opus 3DSLIM™ Apollo 1 is a 3D depth sensing camera providing up to 1280*720 point cloud data with sub-millimeter depth accuracy. The camera is developed based on proprietary dynamic structured light algorithm utilizing our proprietary MEMS mirror with 940nm laser for both outdoor and indoor use. The 3D depth camera is suitable for industrial and commercial applications such as 3D vision guided robot, industrial automation, 3D object reconstruction, 3D facial recognition, and AR/VR, etc.



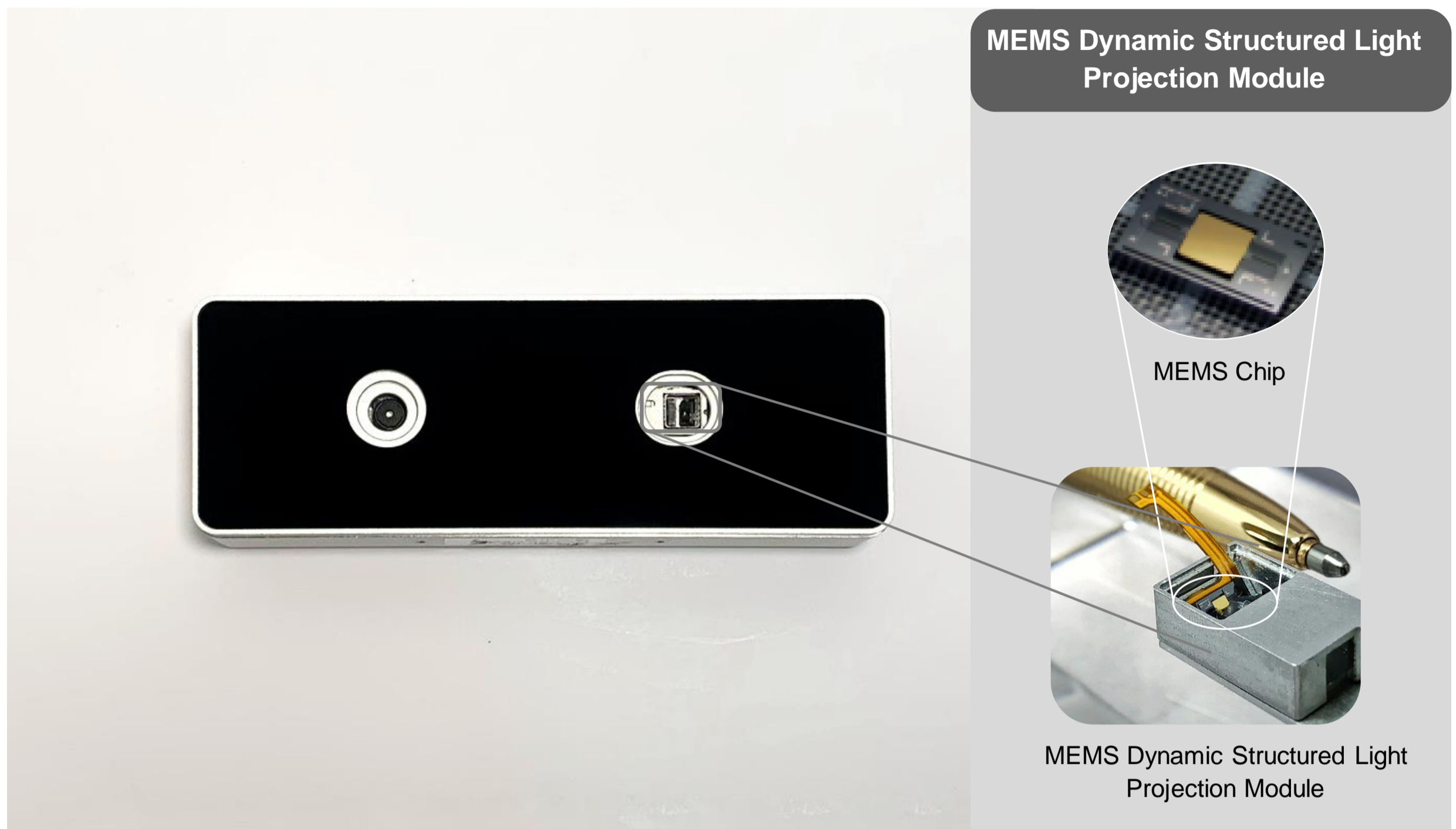
Feature

- 1280*720 X-Y resolution
- Sub-millimeter depth accuracy (0.25% at 200mm)
- 940 nm laser suited for indoor and outdoor usage
- 7 fps streaming of million-level point clouds
- USB2.0 interface for both power and data transmission
- API/SDK available for customization & development

← Point Cloud Image Examples

Opus 3DSLIM™ AP 1

Product Brief

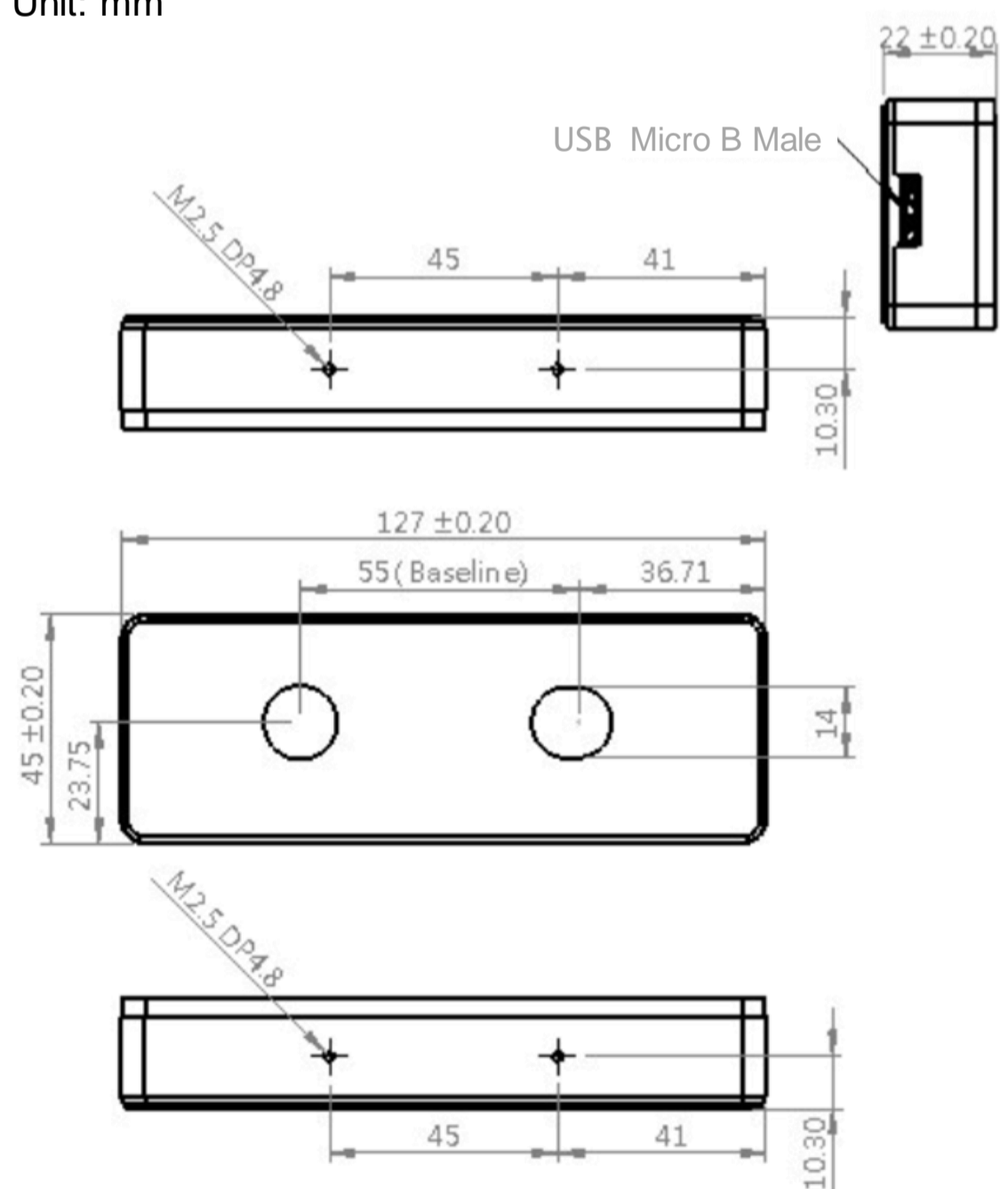


Specifications

Laser Wavelength	940nm
Receiver FOV	V: 44°, H: 66°
Projector FOV	H: 60°
Resolution (XY)	1280 x 720
Precision (Z)	0.25% @ 200mm
Sensing Range	0.05 - 1.5 M
Output Format	PLY
SDK	Win10 64-bit
Interface	USB 3.0

Dimensions

Unit: mm

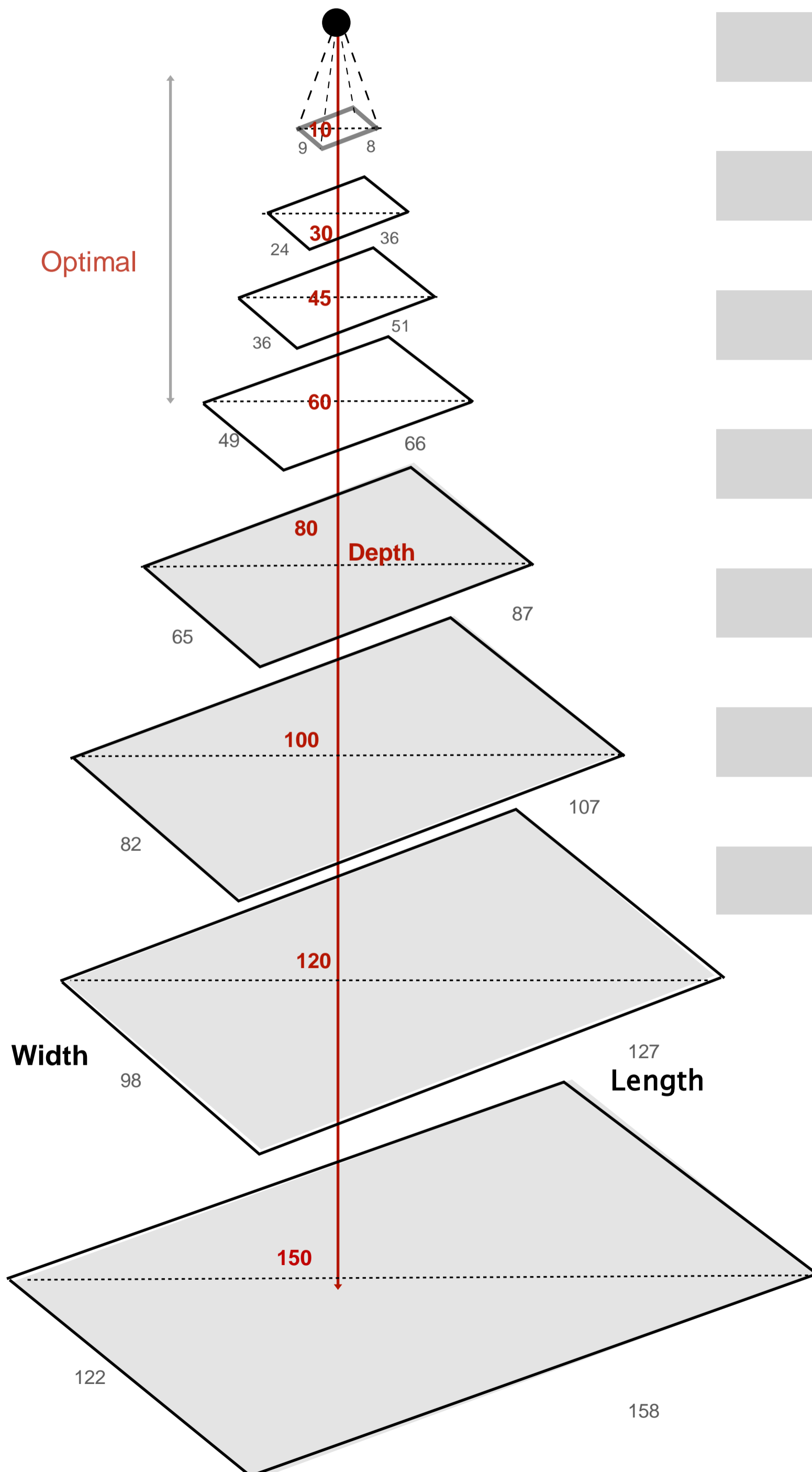


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Product Brief

Predicted Sensing Range

Unit: cm



Depth (cm)

Sensing Range (cm)

10

9 x 8

20

24 x 16

30

36 x 24

45

51 x 36

60

66 x 49

70

76 x 57

80

87 x 65

90

97 x 73

100

107 x 82

120

127 x 98

130

137 x 106

140

148 x 114

150

158 x 122