



# MotionCam-3D S

## Datasheet

| General parameters                     |   |
|--|---|
| Depth map resolution (static mode)     | 1600 x 1200   |
| Depth map resolution (dynamic mode)    | 1120 x 800  |
| Maximum FPS                            | 20 fps  |
| Maximum object / camera speed          | 40 m/s  |
| 3D points throughput                   | 15 million points per second                        |
| GPU                                    | NVIDIA Pascal™ Architecture GPU with 256 CUDA cores |
| Dimensions                             | 80 x 68 x 307 mm                                    |
| Weight                                 | 1300 g  |
| Scanning range and performance         |   |
| Baseline                               | 230 mm  |
| Scanning range                         | 366 - 558 mm  |
| Depth range                            | 192 mm  |
| Optimal scanning distance (sweet spot) | 442 mm  |
| Scanning area (at sweet spot)          | 376 x 278 mm  |
| Data acquisition time                  | 10 ms   |
| Point size (dynamic, at sweet spot)    | 0.37 mm   |
| Accuracy (dynamic)                     | 0.30 mm   |
| Temporal noise (dynamic)               | 0.10 mm   |
| Point size (static, at sweet spot)     | 0.25 mm   |
| Accuracy (static)                      | 0.15 mm   |
| Temporal noise (static)                | 0.05 mm   |

## CAD Model

Download the CAD model of the MotionCam-3D S and its scanning volume:

[www.photoneo.com/dl/cad/cam-S](http://www.photoneo.com/dl/cad/cam-S)

# Scanning Volume

