

MotionCam-3D M



Datasheet

| Parameter | Value | |
|---|--|---------------------------------------|
| 3D Sensing Technology | Parallel Structured Light | |
| Output data | 3D points (x y z) Normals (x y z) Depth Map (z) Texture (grayscale intensity) Confidence (float) | |
| Scanning range | 497 - 939 mm | |
| Optimal scanning distance (sweet spot) | 653 mm | |
| Scanning area (at sweet spot) | 588 x 444 mm | |
| Operation Mode / Scene | Scanner / Static | Camera / Dynamic |
| Resolution | 2 Million 3D points (1680 x 1200) | 0.9 Million 3D points (1120 x 800) |
| Point-to-point distance (at sweet spot) | 0.370 mm | 0.550 mm |
| Calibration accuracy (1 σ) | 0.250 mm | 0.500 mm |
| Temporal noise (1 σ) | 0.050 mm | 0.100 mm |
| Maximum FPS | 2 fps | 20 fps |
| Dimensions | 428 x 68 x 85 mm | |
| Baseline | 350.0 mm | |
| Weight | 1000 g | |
| Temperature working range | Full: 0 - 40 degrees Optimal: 22 - 25 degrees | |
| Power | PoE or 24V | |
| Data connection | 1 Gbit Ethernet | |
| Processing unit | NVIDIA Pascal™ Architecture GPU with 256 CUDA cores | |

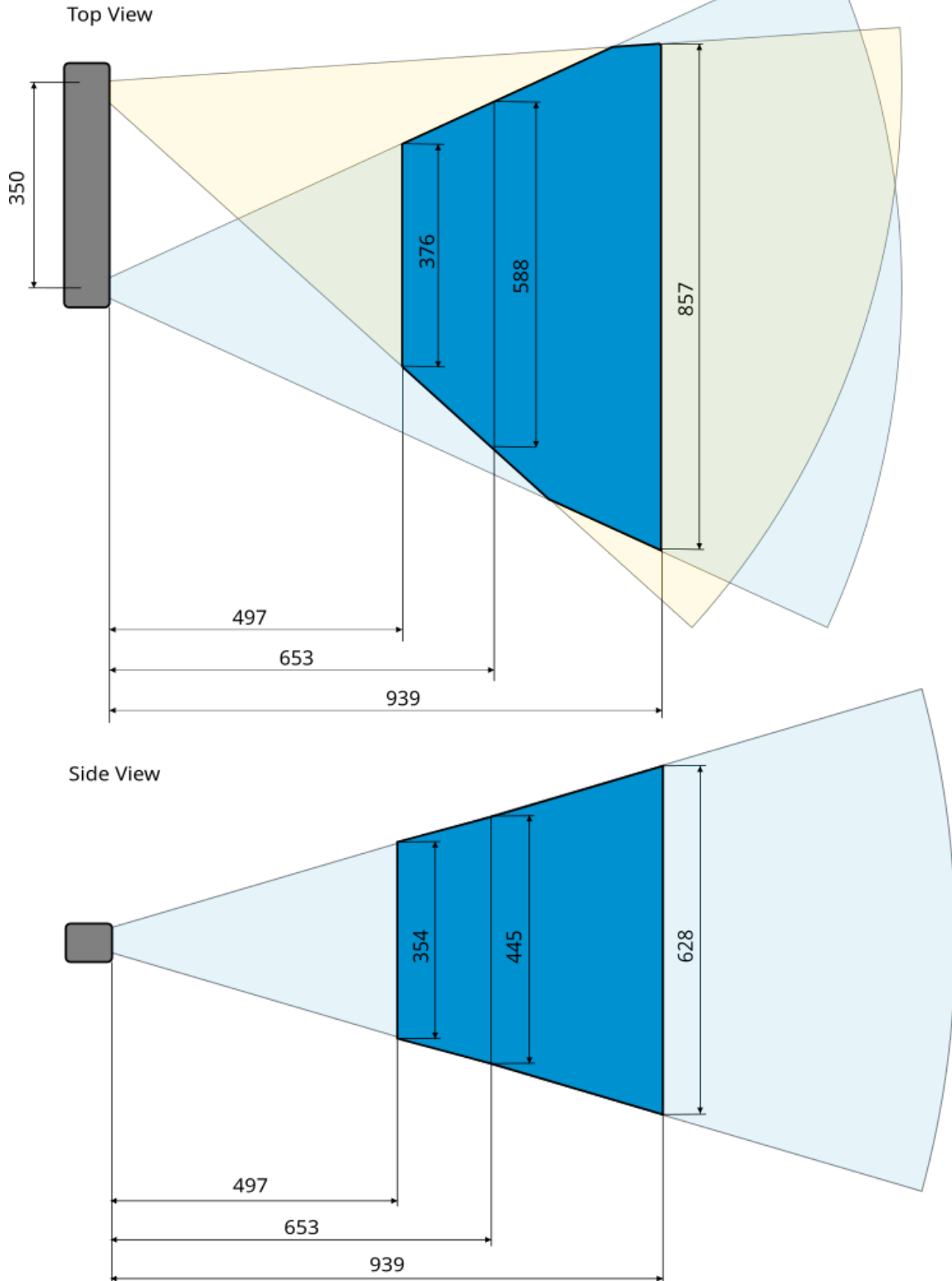
These parameters are valid at 22 °C - 25 °C at focus distance for white objects with 80% albedo.

For operation and installation instructions, please refer to the User Manual and CAD models available at: <https://photoneo.com/kb/device-resources>



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Scanning volume



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