

MotionCam-3D Color M+



Datasheet

| Parameter | Value | |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| 3D Sensing Technology | Parallel Structured Light | |
| Output data | 3D points (x y z) Normals (x y z) Depth Map (z) Color Image (RGB) Texture (grayscale intensity) Confidence (float) | |
| Scanning range | 630 - 1574 mm | |
| Optimal scanning distance (sweet spot) | 907 mm | |
| Scanning area (at sweet spot) | 841 x 610 mm | |
| Operation Mode / Scene | Scanner / Static | Camera / Dynamic |
| Resolution | 2 Million 3D points (1680 x 1200) | 0.9 Million 3D points (1120 x 800) |
| Color picture resolution | 2 Mpix - mapped on 3D data (2D data up to 8 Mpix) | 0.9 Mpix - mapped on 3D data (2D data up to 8 Mpix) |
| Point-to-point distance (at sweet spot) | 0.520 mm | 0.760 mm |
| Calibration accuracy (1 σ) | 0.300 mm | 0.600 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 | 3500 mm | |
| Weight | 1050 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 | |

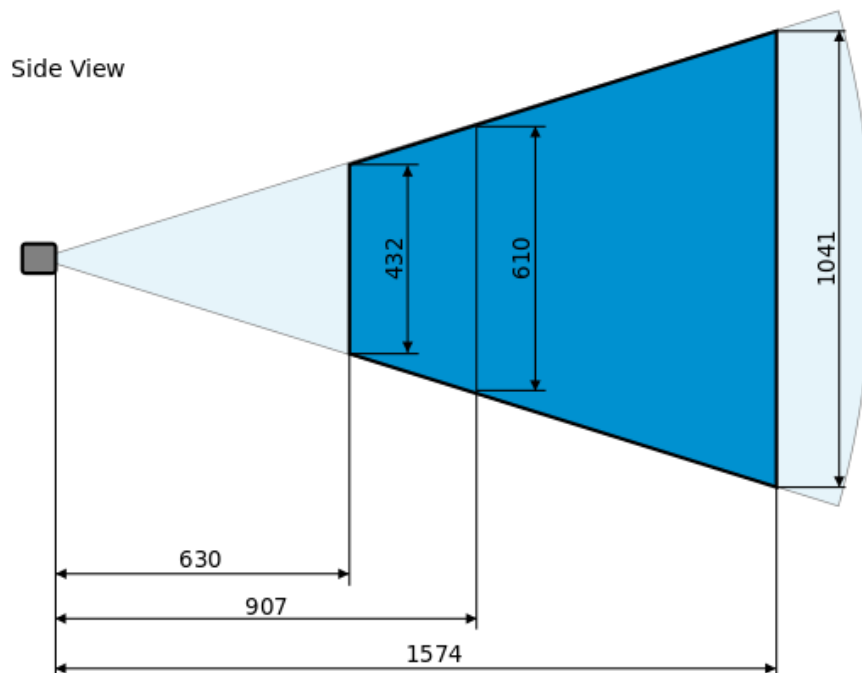
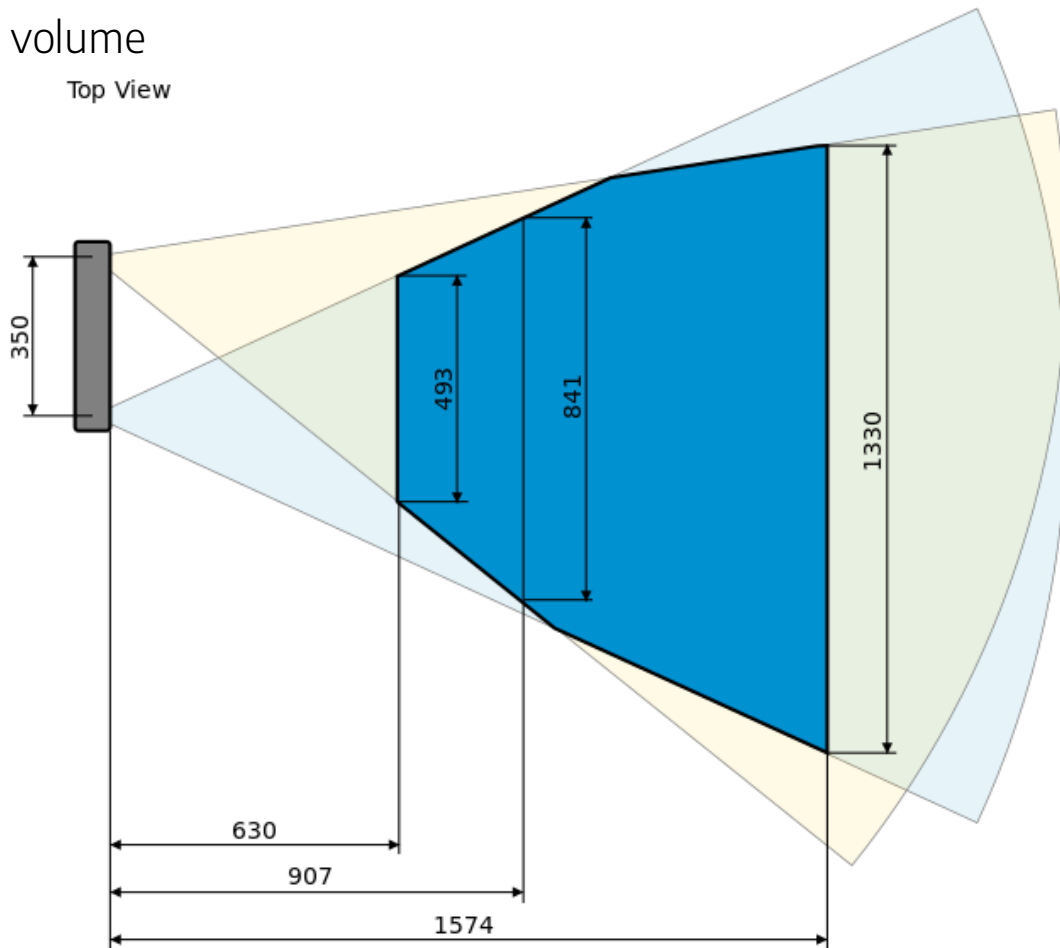
These parameters are valid at 22 °C - 25 °C at focus distance for white objects with 80 % albedo.

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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