

MotionCam-3D L



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	778 - 3034 mm	
Optimal scanning distance (sweet spot)	1252 mm	
Scanning area (at sweet spot)	1027 x 836 mm	
Operation Mode / Scene	Scanner / Static	Camera / Dynamic
Resolution	2 Million 3D points (1680 x 1200)	Up to 2 Million 3D points (1680 x 1200)
Point-to-point distance (at sweet spot)	0.720 mm	1.050 mm at 0.9Mpix 0.720 mm at 2Mpix
Calibration accuracy (1 σ)	0.900 mm	1.250 mm
Temporal noise (1 σ)	0.100 mm	0.150 mm
Maximum FPS	2 fps	20 fps at 0.9Mpix 5 fps at 2Mpix
Dimensions	628 x 68 x 85 mm	
Baseline	550.0 mm	
Weight	1100 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.

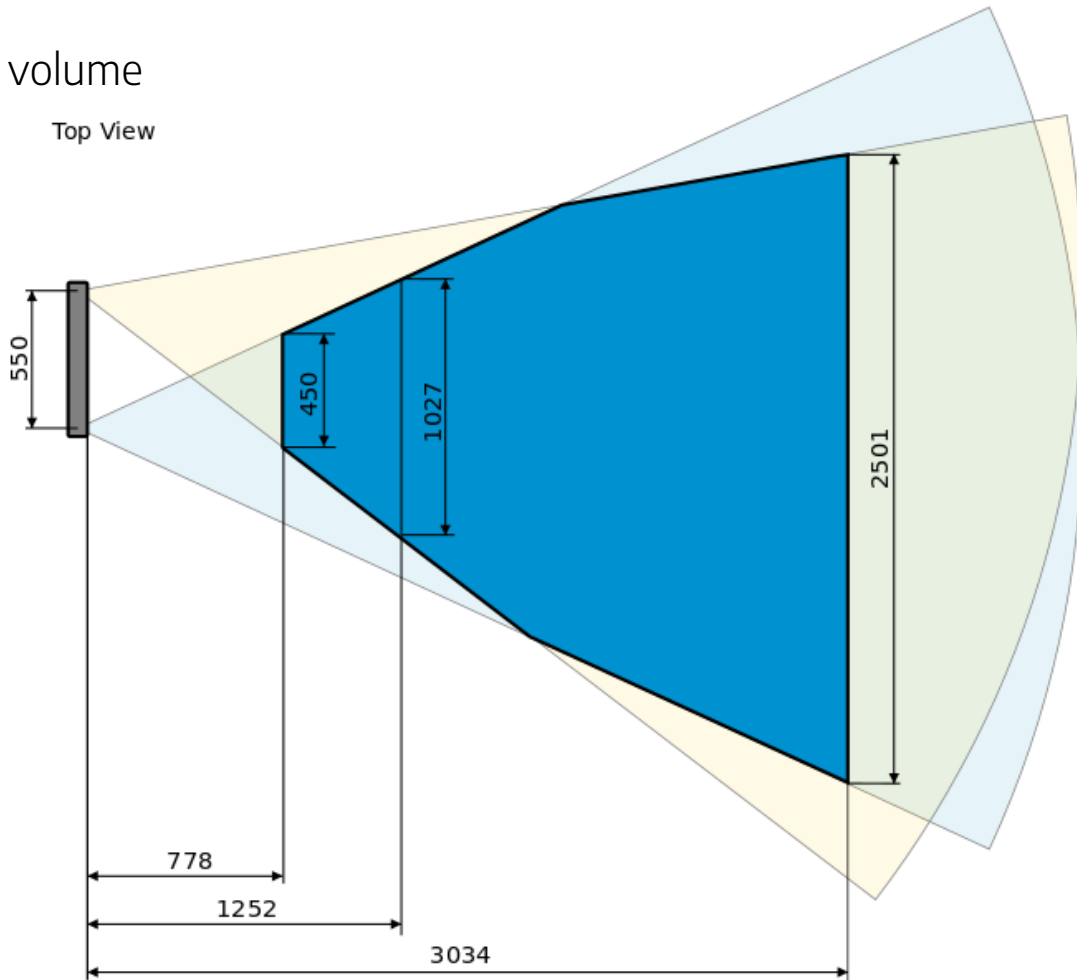
For operation and installation instructions, please refer to the User Manual and CAD models available at: <https://photoneo.com/kb/device-resources>



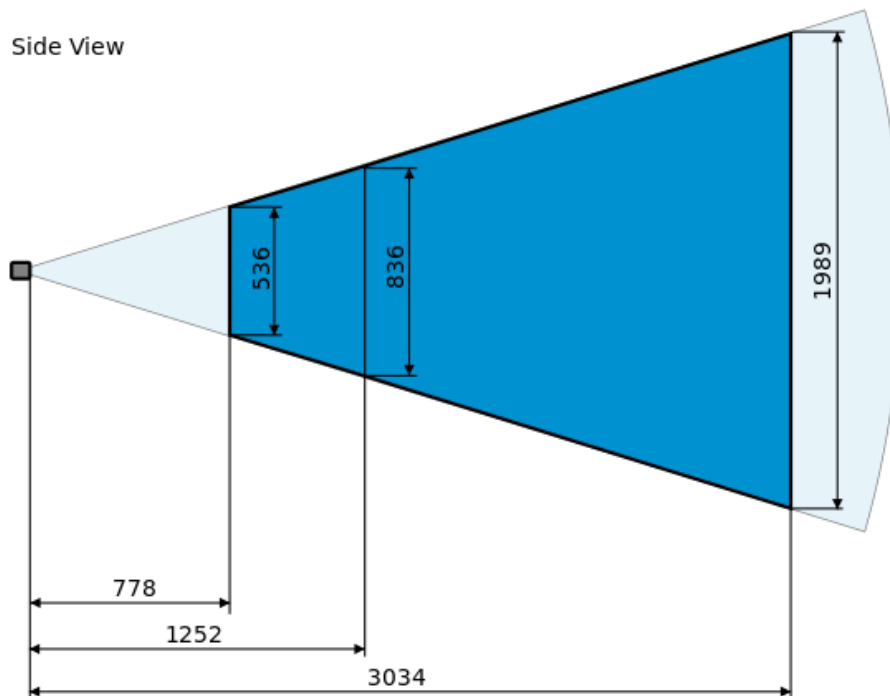
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Scanning volume

Top View



Side View



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