

MotionCam-3D Color L



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	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)	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)	0.720 mm	1.050 mm
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
Dimensions	628 x 68 x 85 mm	
Baseline	550.0 mm	
Weight	1150 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.

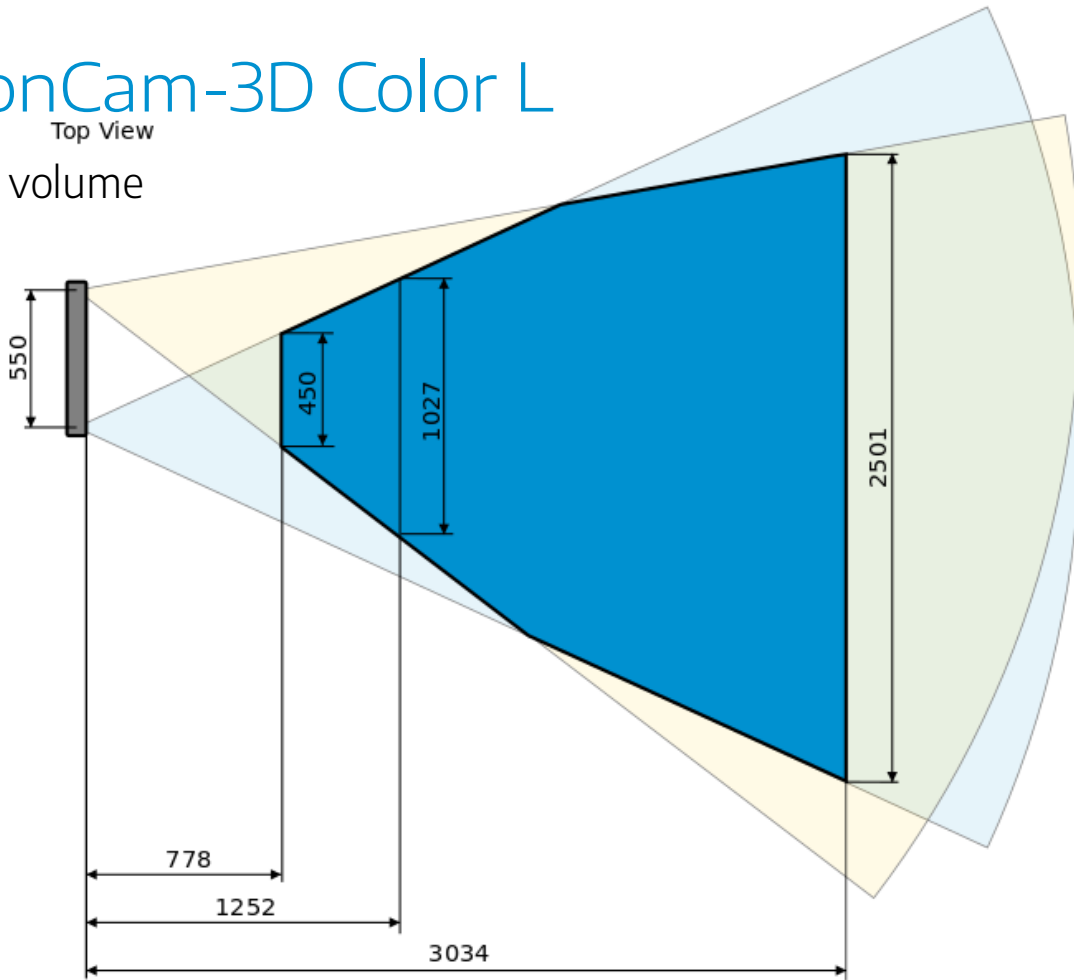
For operation and installation instructions, please refer to the User Manual and CAD models available at: <https://photoneo.com/kb/device-resources>



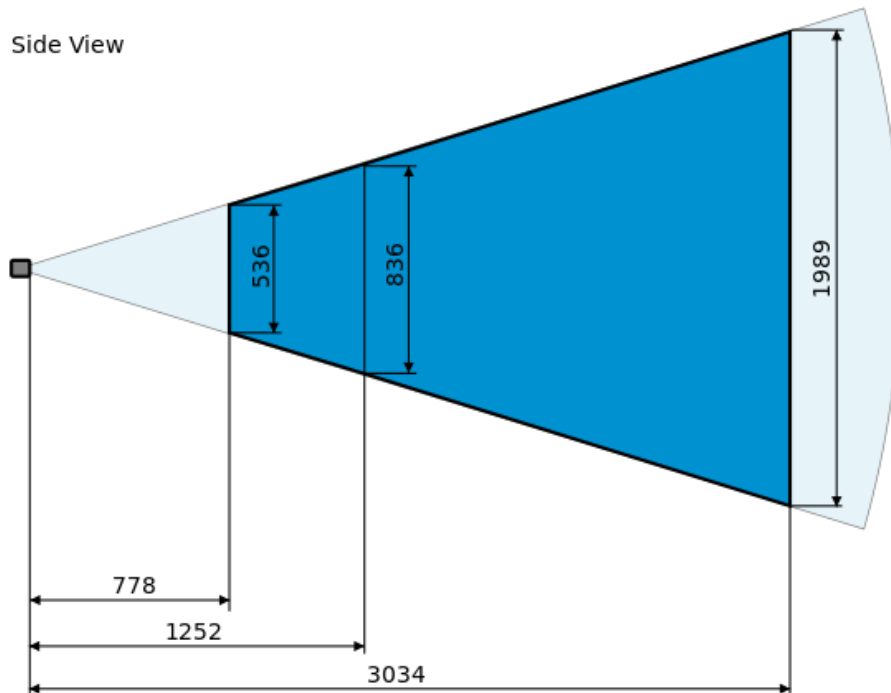
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Top View

Scanning volume



Side View



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