

# 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	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)
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)	0.370 mm	0.550 mm
Calibration accuracy (1 $\sigma$ )	0.250 mm	0.500 mm
Temporal noise (1 $\sigma$ )	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	

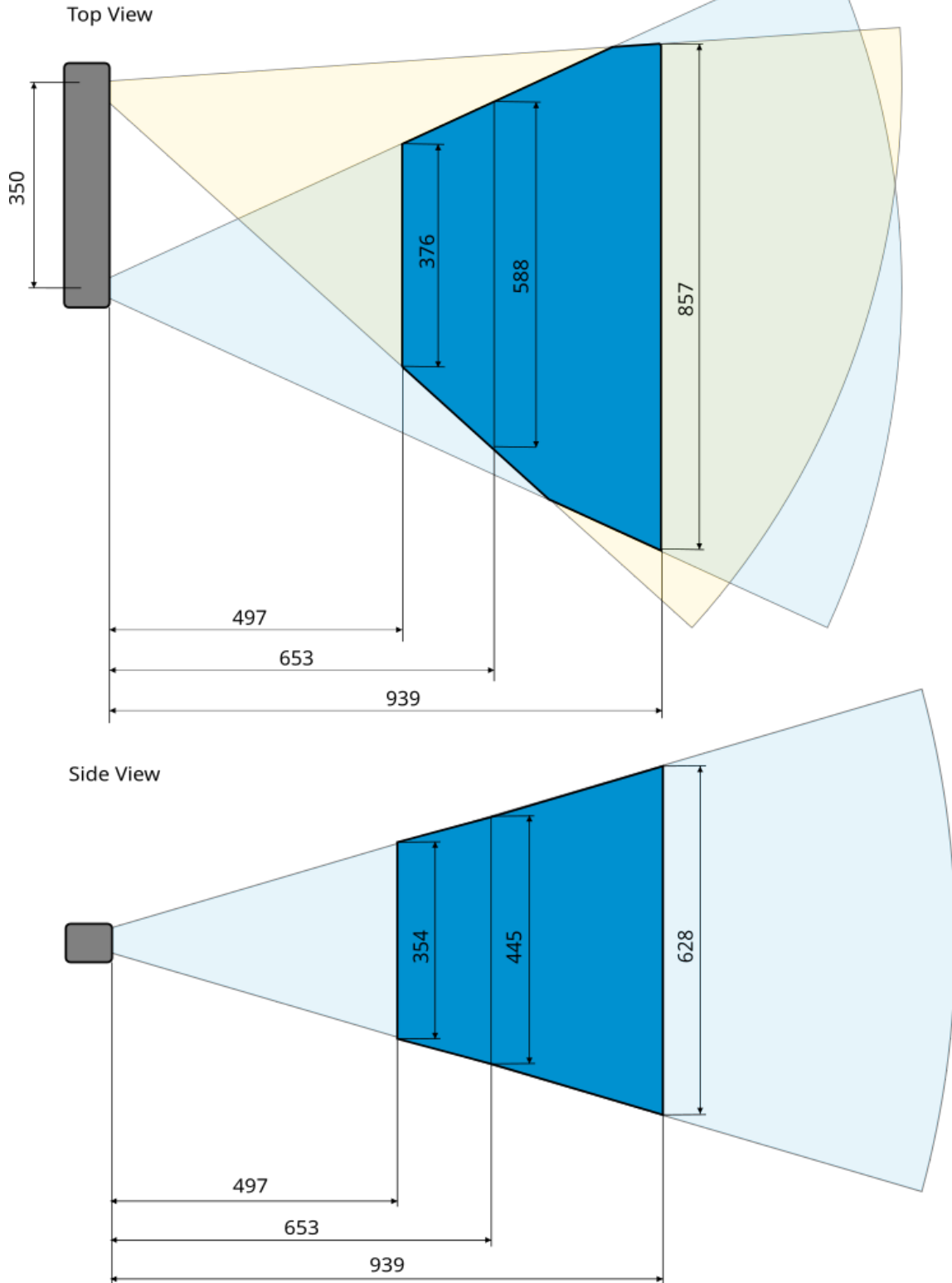
These parameters are valid at 22 °C - 25 °C at focus distance for white objects with 80 % albedo.

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



Web: [www.photoneo.com](http://www.photoneo.com)  
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