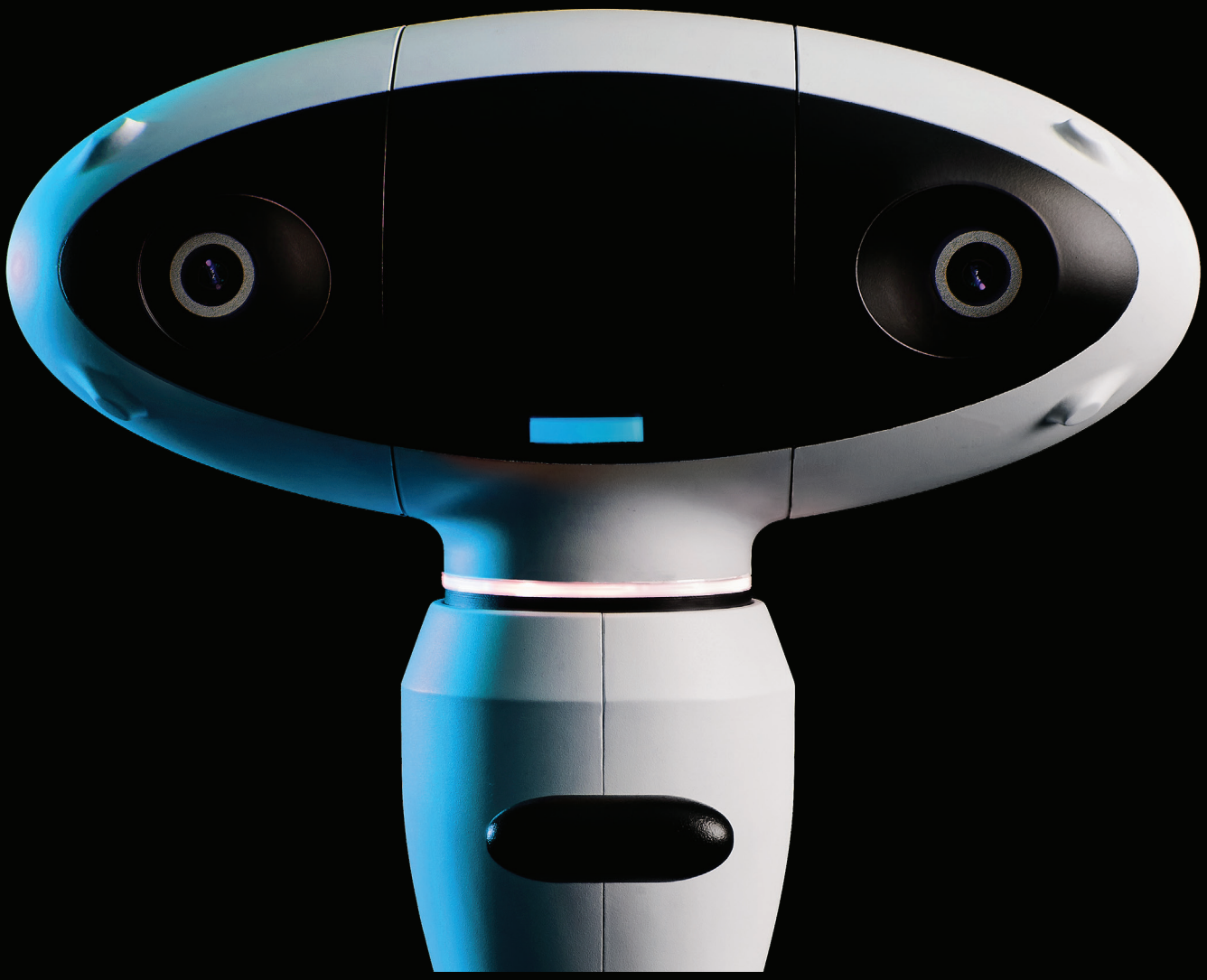
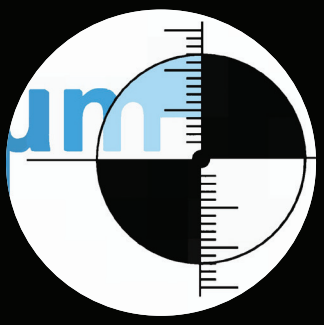
MICRONTRACKER

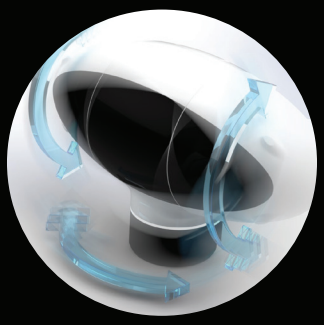
... Next Generation



Superior accuracy



Robotic tracking



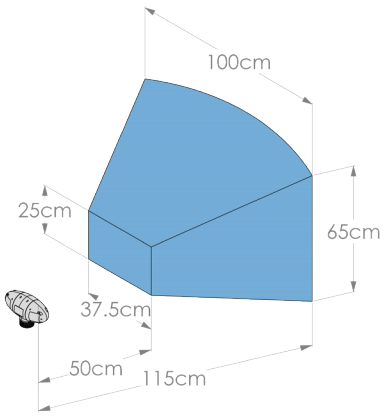
Ergonomic 360 tool

Reliably Accurate

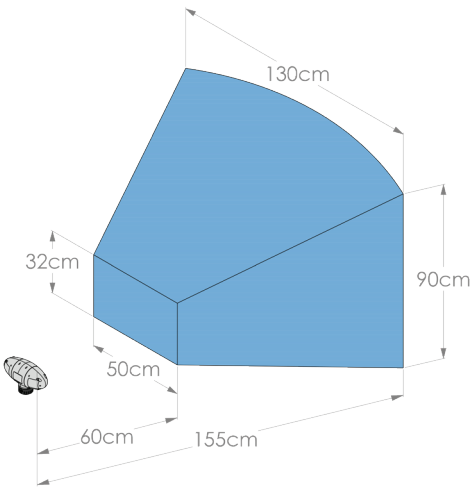
	150-BL						300-BL	
Specification \ Model	R-8L07-1S	M-8L07-1S	R-8L07-2S	M-8L07-2S	R-8L12-1S	M-8L12-1S	R-8L15-1S	M-8L15-1S
FOM, spherical section (radius x width x height, for 12mm XP normal to camera)	115x100x65*		115x100x65		155x130x90*		250x200x135**	
Measurement rate	Up to 60 Hz*		100Hz		Up to 60 Hz*		Up to 60Hz*	
Calibration accuracy	0.08 mm RMS		0.125 mm RMS		0.10 mm RMS		0.08 mm RMS**	
Jitter, static target	0.01mm RMS		0.015mm RMS		0.01mm RMS		0.01mm RMS**	
Jitter, moving target	0.01mm RMS		0.015mm RMS		0.01mm RMS		0.01mm RMS**	
Processing time/frame (2.5GHz CPU Q8300, 4 markers)	5 ms							
Lag	As low as 15 ms*		~10 ms		As low as 15 ms*		As low as 15 ms*	
Sensors resolution	Up to 3072 x 2048*		2048 x 1536		Up to 3072 x 2048*		Up to 3072 x 2048*	
Lenses / H°xV°	8 mm 56°x40°							
Case dimensions (WxHxD, approx.)	238x144x103 mm						374x147x109 mm	
Motion configuration	Robotic	Manual/Static	Robotic	Manual/Static	Robotic	Manual/Static	Robotic	Manual/Static
Weight (approx.)	1540gr						1550gr	
Electrical Interface	USB 3.0, 5 Gbps							
Power Requirements	120/220 VAC @ 50/60Hz	None	120/220 VAC @ 50/60Hz	None	120/220 VAC @ 50/60Hz	None	120/220 VAC @ 50/60Hz	None
Mount	¼" thread tripod mount or 35mmx35mm Vesa mount (4x M4)							
Operating temperature	18° to 30°C (64° to 86°F)							
Warm-up period	~10 seconds							
Max. # of marker templates	practically unlimited							
Max. # of markers concurrently tracked	100 (faceted), 10 (XPA)							
Illumination range	50-100,000 Lux (25-200,000Lux in HDR mode)							
Max illumination variation between markers	10:1 (1000:1 in HDR mode)							
Certifications	IEC 60601-1-2:2014 & AMD1:2020							
Drift: temperature, pressure, light intensity, marker orientation, motion blur, exposure settings	Insignificant							
Hazard warnings issued	Marker out of FOM; Thermal instability; Temperature out of range; Shadow over target							
Operating system	MS-Windows Windows 7/8/10/11, Linux							
Minimal computer hardware	2 GHz CPU (Intel Core and better), 4 GB RAM, 2 GB disk space							

* Actual value depends on camera operating mode. "14 - Bit Mode" can achieve a slightly higher resolution and better performance in adverse lighting conditions at the cost of frame rate.
** Predicted value. Actual value will be provided at a later date

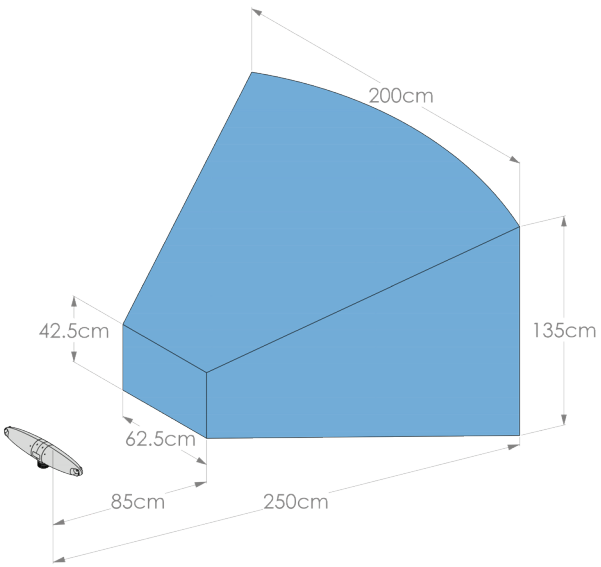
Static Field Of Measurement:



150BL-8L07 14-Bit



150BL-8L12 14-Bit



300BL-8L15 14-Bit

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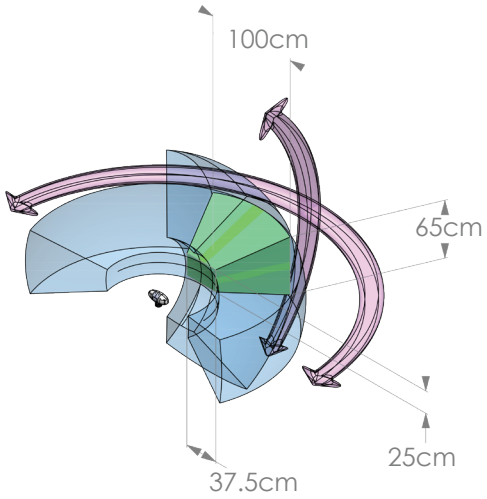
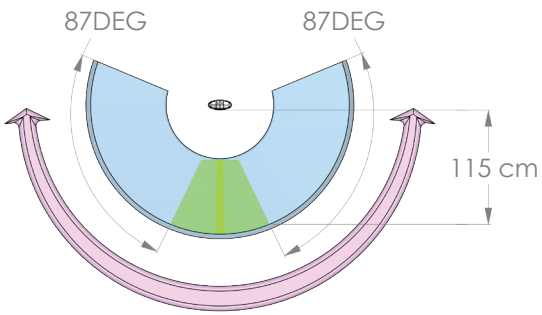
MICROTRACKER

Sweeping Field of Measurement for Motorized version

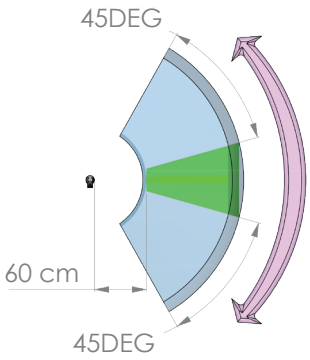
150BL 8L7



3D graph

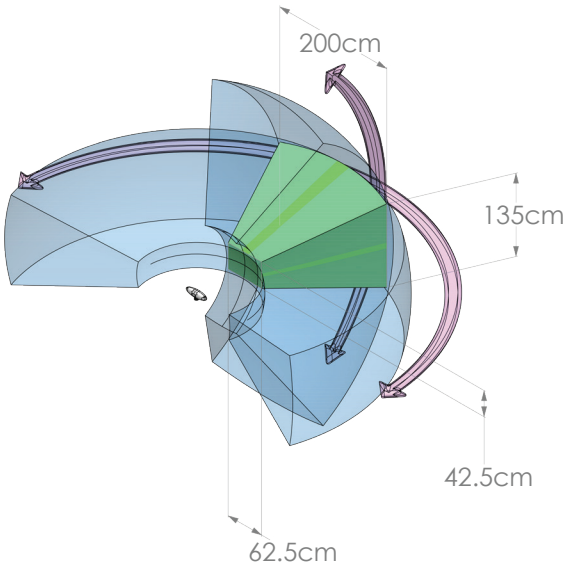


Top view graph

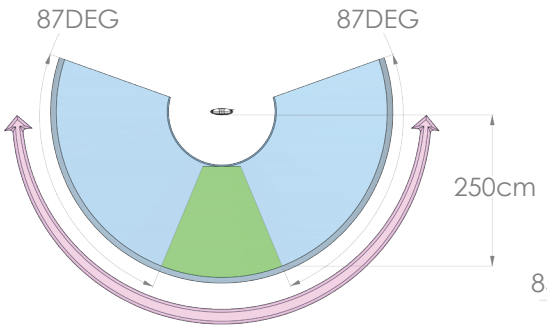


Side view graph

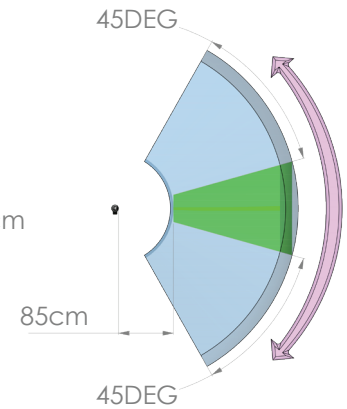
300BL



3D graph



Top view graph



Side view graph

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