

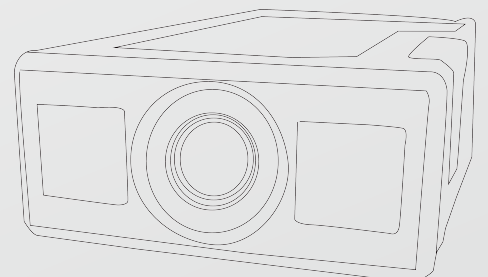


GENIUS PROS
DEPTH AND MORE

NEXT GENERATION SOLID-STATE LIDAR SENSOR

GENIUS ULTRA UGC1 - SERIES

FOR MASS PRODUCTION **AUTONOMOUS CAR**



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PARAMETERS	VALUE	COMMENTS
Sensor		
Type of sensor	CCD	Camera setting dependent (full frames)
Maximum frame rate	30 fps average up to 120fps	
Pixel array size	768(h) x256 (v)	
Multi camera option	Yes, by factory configuration	
External light disturbance	Up to 100 kLux	
Optics		
Field of view (h) x (v)	40°X20°(customizable)	
Measurement range	40m @ 10% reflectivity	
Accuracy		
Absolute accuracy	0.5%-1% depend on distance	Reflectivity of target 80%
Repeatable accuracy	1%	
Software		
Dirvers	Linux,Windows 7,8,10	
PC API	Open-NI 2.2	
Camera Internal API	Open-NI 2.2	
Data Output		
Distance data resolution	16bit/pixel 1mm	
Housing		
Size [height x width x length]	90mm*40mm*172mm	
Weight	1.0KG	
Material	Aluminum	
- surface	Anodizing	
- window	Optical glass+PMMA	

■ Strong Scene Adaptability

■ Strict Vehicle Regulation Design

■ interface diversity

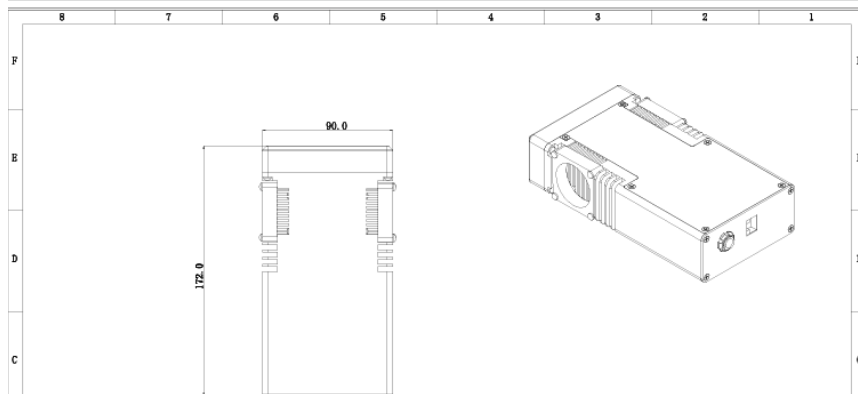
■ Modularity In Design

PARAMETERS	VALUE	COMMENTS
Environmental		
Ingress protection	IP67	
Operating temperature	-10°-+50°	
Storage temperature	-20°-+70°	
Cooling	Passive (Active Optional)	
Interfaces		
Data interface	Gigabit Ethernet	
Power socket	DC Jack	
Power Supply		
Power Supply	24V DC	
Power consumption	Mean 25W	
Certification		
Eye safety	Class I, IEC-60825	

ToF ULTRA-UGC1



Model: **ULTRA-UGC1**



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