Product model	LR10	LR10 Pro	LR10 Ultra
Sensor type	dToF＆RGB-D	dToF＆RGB-D	dToF＆RGB-D
Output data	Point cloud&RGB	Point cloud&RGB	Point cloud&RGB
TOF resolution and frame rate	240×160@Max.20fps Typical: 15fps	240×160@Max.10fps Typical: 10fps	240×160@Max.10fps Typical: 10fps
TOF field of view	90°×61 °/120°×80 °	70°×90 °/70°×120 °	120°×80 °
RGB resolution and frame rate	1920 x 1080@ Max. 20fps Typical value 15fps	1920×1080@Max.10fps Typical: 15fps	1920 x 1080@ Max.10fps Typical value 10fps
RGB angle of view	120°×90 °	61°×90 °	120°×80 °
Distance ranges	0.05-8 m (90% reflectivity) 0.05-5 m (10% reflectivity)	0.05-18 m (90% reflectivity) 0.05-10 m (10% reflectivity)	0.05-30 m (90% reflectivity) 0.05-30 m (10% reflectivity)
Accuracy	≤3cm	≤3cm	≤4cm
Average and peak power consumption	≤4W&28W	≤7W	≤9W
Laser wave length	940 nm	940 nm	940 nm
Size (length x width x height)	80mm×37mm×25mm	92mm×47mm×51mm	92mm×57mm×51mm
Weight	190g	460g	500g
Power supply	12-28V	24V	24V-28V
Communication interface	Ethernet/GMSL/IO	Ethernet/GMSL/IO	Ethernet/GMSL/IO
Level of protection	IP54	IP67	IP67
Working temperature	-20℃~60℃	-20℃~60℃	-20℃~60℃
Storage temperature	-40℃~85℃	-40℃~85℃	-40℃~85℃
Software environment	C/C++/ROS SDK	C/C+/ROS SDK	C/C++/ROS SDK
Support operating system	Windows7/8/10/11，Linux，Arm Linux/ROS	Windows 7/8/10/11，Linux，Arm Linux/ROS	Windows7/8/10/11，Linux，Arm Linux/ROS
Ambient light resistance	100Klux	100Klux	100Klux