

Brand			
	ILS-F31	TIM320	UST-05LN
Working voltage	DC 9V - 28V	DC 9V - 28V	DC 12V - 24V
Power	≤4 Watt	≤4 Watt	≤3.5 Watt
Appearance color	Base: White Lens: Black	Base: Blue Lens: Black	Base: Black Lens: Black
Weight	200g	150g	130g
Length * Width * Height(mm)	60 * 60 * 85	60 * 60 * 79	50 * 50 * 70
Use requirements	Indoor/Outdoor	Indoor	Indoor
Light source	Laser 905nm	Laser 850nm	Laser 905nm
Light source level	1 (IEC 60825-1:2007)	1 (IEC 60825-1:2014)	1 (IEC 60825-1:2007)
Detection angle	Level 270°	Level 270°	Level 270°
Angular resolution	0.33°	1°	0.5°
Scan area	0.05~5m/8m	0.05~4m	0.06~5m
Maximum scanning error	±3cm	±4cm	±4cm
Recognizable object shape	Arbitrary shape	Arbitrary shape	Arbitrary shape
Scan time	15Hz/67ms	15Hz/67ms	30Hz/25ms
Number of switchable channels	16	16	31
Switch input port	4-way NPN/PNP	4-way NPN/PNP	5-way NPN
Switch output port	3-way NPN/PNP additional 1 x “Device Ready”	3-way NPN/PNP additional 1 x “Device Ready”	4-way NPN
Configuration interface	Type-C	Micro USB2.0	Micro USB2.0
Protection level	IP67	IP65	IP65
Support intelligent channel switching	Yes	NO	NO
Communication mode	RS232	IO	RS422