Model No.	UXM-30LN-P
Power source	10 to 30VDC
Current consumption	During operating: 500mA or less when 10/12VDC, 250mA when 24VDC, When staring up: 2A or less when 10VDC, 1.5A or less when 12VDC
Light source	Semiconductor laser diode, λ=905nm(Laser safety class 1)
Principle	Time of flight(pulse system)
Detectable object	6m: Φ10mm, 10m: Φ20mm, 30m: Φ130mm(Min. object against the distance)
Scanning range	0.1 to 30m[*1](Black diffuse reflection 10%, 500mm×500mm)
Scanning accuracy	3,000lux or less -> 0.1 to 10m: ±50mm(500×500mm or more, white paper), 100,000lux or less -> 0.1 to 10m: ±100mm(500×500mm or more, white paper)
Angular resolution	Step angle: 0.25°(360°/1,440 steps)
Scanning angle	190°
Scanning time	50msec/scan(Motor speed: 1,200rpm)
Interface	USB2.0(Full speed, 12Mbps for area setting)
	Output 1,2 & 3 : OFF when detecting in the area Trouble output : ON when normal operation[note1)]
Input	Area input 1,2,3,4(total 16 patterns)
Indication lamps	Power lamp(green), Operation lamp(orange): Lights up when detecting, blinks when troubled
Connection	Cable 2m, USB: connector(Binder 09-0431-81-04)[*3]
Ambient temperature/humidity	-10 to +50 degrees C(-25 to +75 degrees C when stored), 85%RH or less, not icing, not condensing
Insulation resistance	10MΩ 500VDC megger
Vibration resistance	Double amplitude 1.5mm, 10 to 55Hz, each 2 hour in X, Y and Z directions
Impact resistance	196m/s^2, each 10 time in X, Y and Z directions
Protective structure	IP64(IEC standard)
Life	5 years(motor life, vary depending on use conditions)
Noise	25dB or less
Case materials	Front case: Polycarbonate, back of case: aluminum
Weight	Approx.800g(excluding cable)

1 Pc.

2.

Model No.	UBG-05LN
Power source	24VDC(available operating range 18 to 30VDC, ripple within 10%)
Current consumption	150mA or less but rush current 300mA is required when start-up(when 24VDC)
Light source	Semiconductor laser diode(λ=785nm), Laser safety class 1(FDA)
Detectable object	White paper with 125□(Installing in parallel with projecting/receiving surface)
Detecting range	Area with 0.1 to 5m(length) and 4m(width)(origin point is the scanning center)
Accuracy	±20mm at 1m or less, 2% of measurement at 1m or more
Repeatability	±10mm at 1m or less, 2% of measurement at 1m or more
Detecting are setting	Output 1 : It is free to set from 0 to 5m for optical axis direction with 7 points pointer. Output 2, 3 : (1) Linear setting to progressive direction (2) Fan-shaped setting to optical axis direction (3) Percentage(%) setting against output 1 pointer
Hysteresis	6.25% of detecting distance

Output	Photo-coupler/open-collector output(30VDC 50mA or less) Output 1 : OFF when detected in area Output 2 : OFF when detected in area Output 3 : OFF when detected in area Output 4(Trouble output) : ON during normal operation
Output response time	210msec or less(scanning speed 100msec/rev.)
Input	Photo-coupler input(Anode common, Each input ON current 4mA) Detecting area changeover Set area No. by [Input 1], [Input 2], [Input 3], [Input 4] and [Input 5] Emission-stop by getting all [Input 1], [Input 2], [Input 3], [Input 4] and [Input 5] to ON(OFF : H level input, ON : L level input)
Input response time	Input taking-in cycle : 1 scanning time(100msec) (1msec when choosing emission-stop by outer input
Starting time	within 10sec from putting power source on(It may exceed this time depending on the starting condition)
Indicators	Power lamp(Green) : Flickers when troubled or started Output 1 lamp(Orange) : Lights up when detected in area Output 2 lamp(Orange) : Lights up when detected in area Output 3 lamp(Orange) : Lights up when detected in area
Connection	Cable 1m long
Ambient illuminance	Halogen/mercury lamp : 10,000lx or less, Fluorescent lamp : 6,000lx(Max.)
Ambient temperature/ humidity	-10 to +50 degrees C, 85%RH or less(Not condensing, not icing)
Vibration resistance	10 to 55Hz, double amplitude 1.5mm Each 2 hour in X, Y and Z directions
Impact resistance	196m/s^2 Each 10 time in X, Y and Z directions
Protective structure	IP64(IEC standard)
Weight	185g(260g with cable)
Life	5 years(motor life)
Material	Front case : polycarbonate, rear case : ABS

3 Pcs.