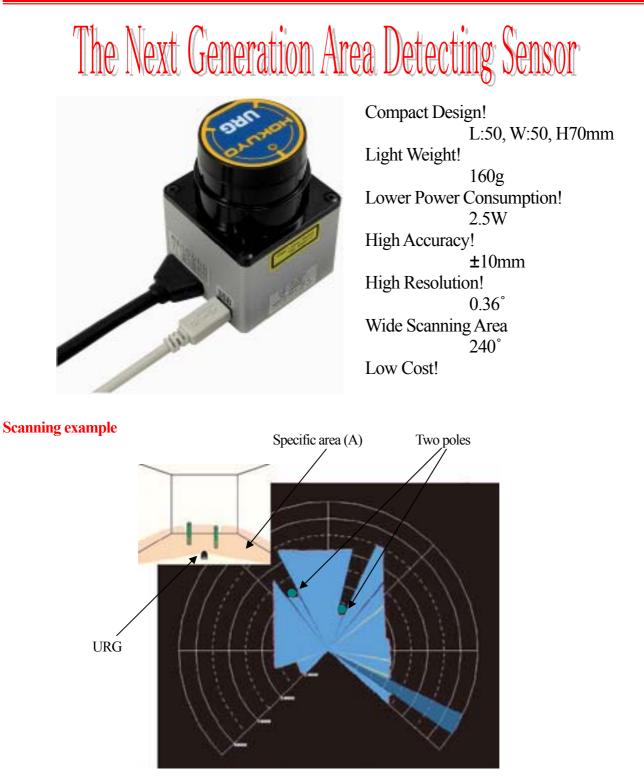
# **NEW PRODUCTS**

SCANNING LASER RANGE FINDER FOR ROBOTICS



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**URG-04** 

URG is scanning the specific area (A) and is detecting two poles and it shows distance and direction of two poles.

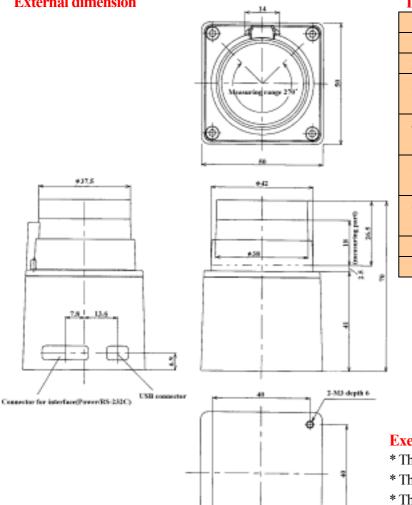
#### Applications

\* Robot eyes, Security, Automatic doors, AGV(obstacle detecting sensor)

## RG-O4LX

specifications		
Products	Scanning Laser Range Finder	
Model No.	URG-04LX	
Light source	Semiconductor laser $\lambda = 785$ nm, Laser safety class 1(IEC60825-1)	
Power source	5VDC, ±5%	
Current consumption	500mA or less(rush current 800mA)	
Detectable distance and objects	20mm to 4000mm, white Kent sheet 70mm x 70mm*	
Accuracy	(Official 20 to 1000mm : ±10mm, 1000 to 4000mm : ±1% of measurement)	
	(White Kent sheet 70mm x 70mm)	
Resolution	1mm	
Scanning angle	240°	
Angle resolution	Approx. 0.36° (360° /1024 steps)	
Scanning time	100msec/scan	
Interface	RS-232C(19.2k, 57.6k, 115.2k, 500k, 750kbps), USB : Ver.2.0 FS mode(12Mbps)	
Ambient temperature/	-10 to +50°C, 85%RH or less(without dew and frost)	
humidity		
Protective structure	Optics : IP64, Case : IP40	
Weight	Approx.160g	
Material	Polycarbonate	

#### **External dimension**



Interface		
	URG-04LX	Cable colors
1	NC	
2	NC	
3	OUTPUT(Synchronous	Black
	output)	
4	GND(9-pin, D-sub	
	connector 5 pins)	
5	RxD(9-pin, D-sub	
	connector 3 pins)	
6	TxD(9-pin, D-sub	
	connector 2 pins)	
7	0V	Blue
8	5VDC	Brown

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#### **Exemption clause**

\* This sensor is not a safety instrument/tool.

- \* This sensor is designed for indoor use only.
- \* This sensor is not for use in military application
- \* Read this specifications sheet before using.

PHOTO SENSOR, LASER SENSOR, MICROWAVE SENSOR, COUNTER, AUTOMATIC DOOR



### HOKUYO AUTOMATIC CO.,LTD.

1-10-9 Niitaka, Yodogawa-ku, Osaka 532-0033,Japan Tel(06)6394-2102 Fax(06)6394-2339 http://www.hokuyo-aut.jp E-mail:info@hokuyo-aut.jp