

# Data sheet

Sensing type	Through-beam type(direct beam)
Sensing distance	0.1 to 7m
Light source	Infrared LED(850nm modulated)
Optical axis pitch	20mm
Number of optical axes	12
Sensing height/Total length	220/240mm
Power supply	12-24VDC $\pm 10\%$ (ripple P-P: max. 10%)
Control output	PNP open collector
Operation mode	Light ON
Environment_Ambient illumination	Ambient light: Max. 10,000lx(receiver illumination)
Environment_Ambient temperature	-10 to 55°C, storage: -20 to 60°C
Connection type	Cable connector type(Ø5, 300mm, M12)
Protection structure	IP65
Environment_Ambient humidity	35 to 85% RH, storage: 35 to 85% RH
Min. sensing target	Opaque material of min. Ø30mm
Response time	Max. 10ms
Material	▪ Case: Aluminum, ▪ Front cover, sensing part: Acrylic
Cable specification	Ø5mm, 4-wire, 300mm, M12 connector
Accessories	Bracket A: 4, Bracket B: 4, Fixing bolt: 8
Weight	BW20-48: Approx. 2.1kg(approx. 1.4kg)

※The weight includes packaging. The weight in parenthesis is for unit only.

※The temperature or humidity mentioned in Environment indicates a non freezing or condensation.