

## Photoelectric beam detector

NR60AQS / NR60AQM Outdoor 60m / Indoor 120m

NR120AQS / NR120AQM Outdoor 120m / Indoor 240m

NR200AQS / NR200AQM Outdoor 200m / Indoor 400m

- \* Quad beam detector
- \* Pulsed synchronized invisible infrared beam detector.
- \* NRAQS series is 1 channel model.
- \* NRAQM series is 4 channel model which can be stacked up to 4 units.

### Function

- HD AND mode (NRAQM only)
- AND / OR mode selectable (NRAQM only)
- MSDC : Multi Signal Discrimination Circuit (NRAQM only)
- BPC : Beam Power Control
- IP66
- DMB : Dual Modulated Beam
- 100 times sensitivity allowance
- Superior Fresnel lens
- Easy optical alignment



### Certifications and Approvals

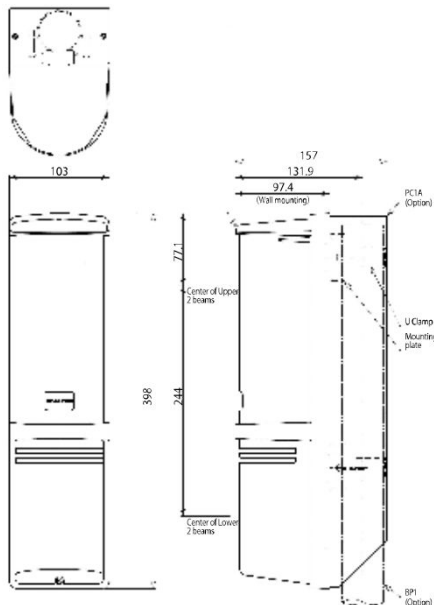
Europe : CE : EN61000-6-3:2007 +A1:2011 , EN50130-4:2011  
USA : UL : UL639  
China : CCC : GB16796-2009

# Specifications

Model		NR60AQS	NR120AQS	NR200AQS	NR60AQM	NR120AQM	NR200AQM
Power	Input voltage	DC10.5V ~28V					
	Current draw	90mA	95mA	100mA	120mA	124mA	128mA
Temp & Humid	Operation temp & humid	-25°C~+60°C RH95% or less					
	Storage temp & humid	-30°C~+70°C RH95% or less					
Beam	Detection range outdoor available for both AND / OR mode	60m	120m	200m	60m	120m	200m
	Maximum arrival distance available for both AND / OR mode	600m	1200m	2000m	600m	1200m	2000m
	Frequency selection	1ch			2 Group x 4 Channels		
	Sensitivity allowance at outdoor range	100 times					
	Beam modulation	Dual modulation					
	Interruption time	40~500msec					
	Optical module	Horizontal : ±90° / Vertical : ±10°					
	Auto gain control	Available					
Output	Alarm output	Form	Form 1c (Non-voltage contact)				
		Period	2 seconds				
		Contact capacity	DC30V, 0.2A(Resistor load)				
		Resister	3.0Ω or less				
	Tamper output	Form	Form 1b (Non-voltage load)				
		Period	Open when Cover is open				
		Contact capacity	DC30V, 0.1A(Resistor load)				
		Resister	3.0Ω or less				
	EDC output	Form	Form 1b (Non-voltage load)				
		Period	Open when EDC working				
		Contact capacity	DC30V, 0.2A(Resistor load)				
		Resister	3.0Ω or less				
Mechanical Structure	Mount	Wall or pole (φ38mm~φ42.7mm)					
	IP rate	IP66					
	Dimension	L103xH398xD99					
	Weight	Tx: 1.2kg Rx: 1.2kg					
	Color	Black / Munsell N1.0					

## Dimensions

with PC1A pole cover (option)



## Accessories

Heater : ATC (Auto temperature control) keeps temperature in good condition around Optics.



**BH12T**  
Heater (2 pcs)  
For use in cold  
And frosty  
environment



**PC1A**  
Pole cover (2 pcs)  
For aesthetically pleasing  
installation



**PC3A**  
Back-to-back enclosure  
For aesthetically pleasing  
installation



**BP-1**  
Metal pole (2 pcs)  
H : 3'11"(950mm)  
DIA: 1 3/4"(43mm)



**BP-2**  
Metal pole (2 pcs)  
H : 3'11"(1200mm)  
DIA: 1 3/4"(43mm)



**BP-3**  
Wall mount pole (2pcs)  
H : 16 9/16"(420mm)  
DIA: 1 3/4"(43mm)

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