

# Rectangular Photo Sensor

PK3

## ◆ Characteristic / 特點 :

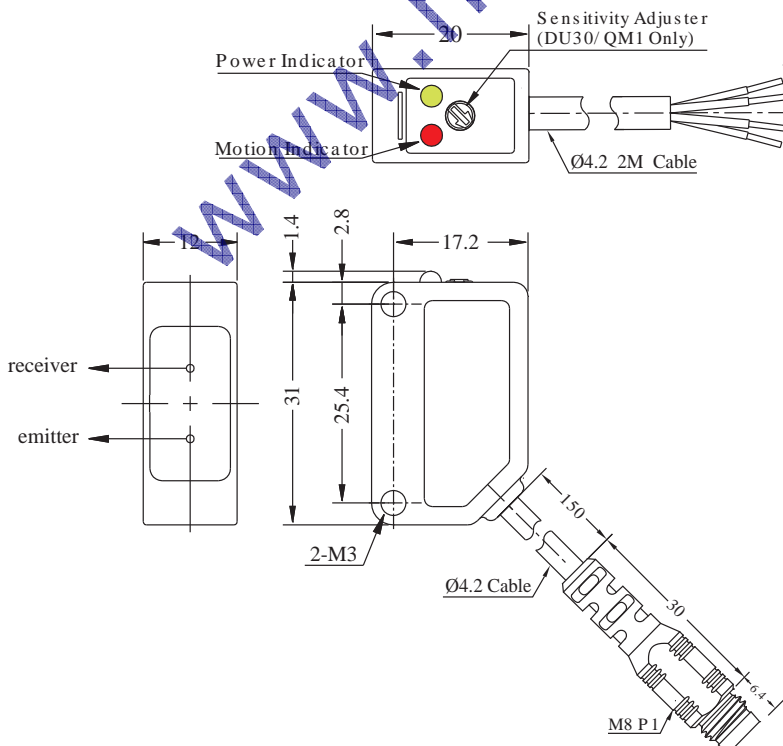
- Standard screw hole 25.4mm.  
/ 標準規格 25.4mm螺絲固定孔。
- Visible dual LED makes you easy to know the current operating situation..  
/ 雙LED指示燈，容易辨別動作情形。
- Compact size (W12xH31xD20mm), space saving.  
/ 尺寸輕巧(W12xH31xD20mm)，省空間。



## ◆ Specifications / 規格表 :

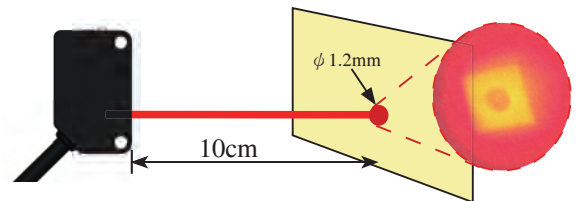
Model / 型號	Pre-wired Ø4.2	PK3-DU30N	PK3-DU30P	PK3-QM1N	PK3-QM1P	PK3-5N	PK3-5P
	M8 Pigtailed type	PK3-DU30NB	PK3-DU30PB	PK3-QM1NB	PK3-QM1PB	PK3-5NB	PK3-5PB
Sensing type / 檢出方式	Diffuse reflection / 擴散反射式		Diffuse reflection (RED) / 擴散反射型(紅光)		Through beam / 對照式		
Sensing distance / 檢出距離	60 cm white paper 300x300 mm		10cm		5M		
Emitting light / 發光源	Infrared LED 850 nm		Red LED 660 nm		Infrared LED. 940 nm		
Operating voltage / 工作電壓	DC12 ~ 24 V						
Current Consumption / 消耗電流	25 mA Max.		20 mA Max.		40 mA Max.		
Load current / 負載電流	100mA Max. at DC24V						
Output type / 輸出模式	□ : NPN L.on/D.on / □ : PNP L.on/D.on						
Response time / 反應時間	1.5 ms Max.		1 ms Max.		1.5 ms Max.		
Insulation resistance / 隔離阻抗	20MΩ min. (DC500V)						
Voltage withstandability / 絕緣耐壓	AC1000V 60Hz for 60 Sec.						
Operating temperature/工作溫度	- 20 °C ~ + 60 °C						
Ambient humidity / 工作溼度	35% ~ 85% RH						
Protection degree / 防水等級	IP64						
Material / 外觀材質	ABS						
Wiring method / 出線方式	PK3-□N/P	Pre-wired Ø4.2 x 2 M / 4-wires					
	PK3-□B	M8 pigtailed connector type/ M8 接頭15cm電線式					
Weight / 重量	PK3-□N/P	Approx.60g			Approx.115g		
	PK3-□B	Approx.20g			Approx.40g		

## ◆ Dimensions / 尺寸圖 : (unit:mm)



## ◆ Clearly visible red LED (QM series) / 清晰可見的紅光LED(QM系列)

The visible red LED is available at the distance of 10cm for PK3-QM□. It is easy for your installation and detection.



### ◆ Characteristic / 特點 :

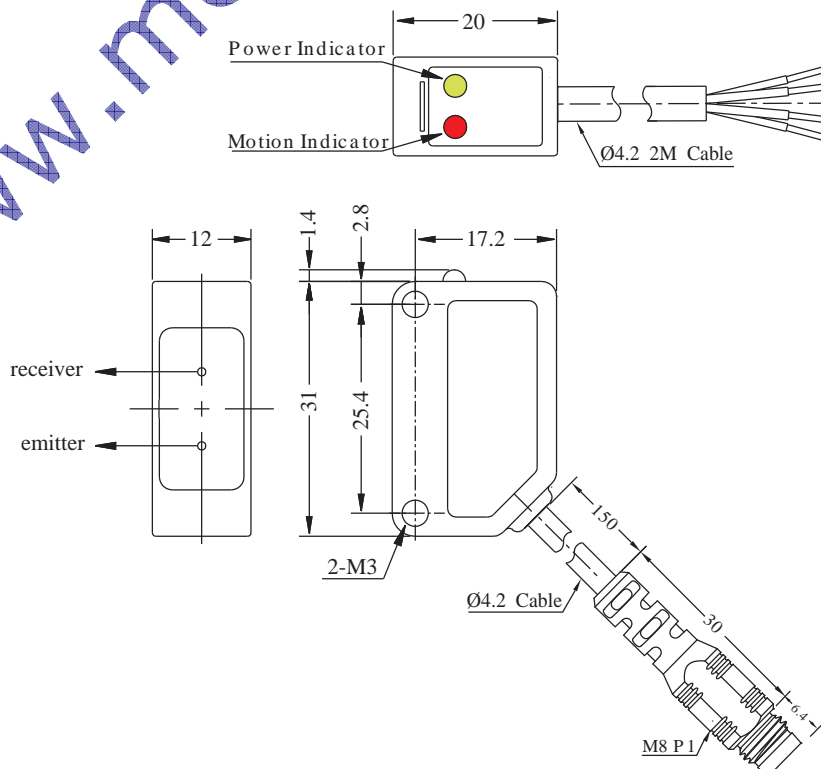
- Visible dual LED makes you easy to know the current operating situation.  
/ 雙LED指示燈，讓您可以很快的辨別感應品的使用狀態。
- For a better focusing, with the Non-spherical optical lens.  
/ 非球面鏡片設計，讓您在感應物體時，更加的穩定。
- Compact size (W12xH31xD20mm), space saving.  
/ 省空間(W12xH31xD20mm)輕薄尺寸。



### ◆ Specifications / 規格表 :

Model / 型號	Pre-wired Ø4.2	PK3-R2N	PK3-R2P
	M8 Pigtailed type	PK3-R2NB	PK3-R2PB
Sensing type / 檢出方式	Retroreflective/ 鏡片反射式		
Sensing distance / 檢出距離	2M		
Emitting light / 發光源	Infrared LED 850 nm		
Operating voltage / 工作電壓	DC12 ~ 24 V		
Current Consumption / 消耗電流	25 mA Max.		
Load current / 負載電流	100mA Max. at DC 24V		
Output type / 輸出模式	NPN L.on/D.on		PNP L.on/D.on
Response time / 反應時間	1.5 ms Max.		
Insulation resistance / 隔離阻抗	20MΩ min. (DC500V)		
Voltage withstandability / 絕緣耐壓	AC1000V 60Hz for 60 Sec.		
Operating temperature/工作溫度	-20°C ~ +60°C		
Ambient humidity / 工作溼度	33% ~ 85% RH		
Protection degree / 防水等級	IP64		
Material / 外觀材質	ABS		
Wiring method / 出線方式	PK3-□N/P	Pre-wired Ø4.2 x 2 M / 4-wires	
	PK3-□B	M8 pigtailed connector type/ M8 接頭15cm電線式	
Weight / 重量	PK3-□N/P	Approx.60g	
	PK3-□B	Approx.20g	

### ◆ Dimensions / 尺寸圖 : (unit:mm)



## ◆ Characteristic / 特點 :

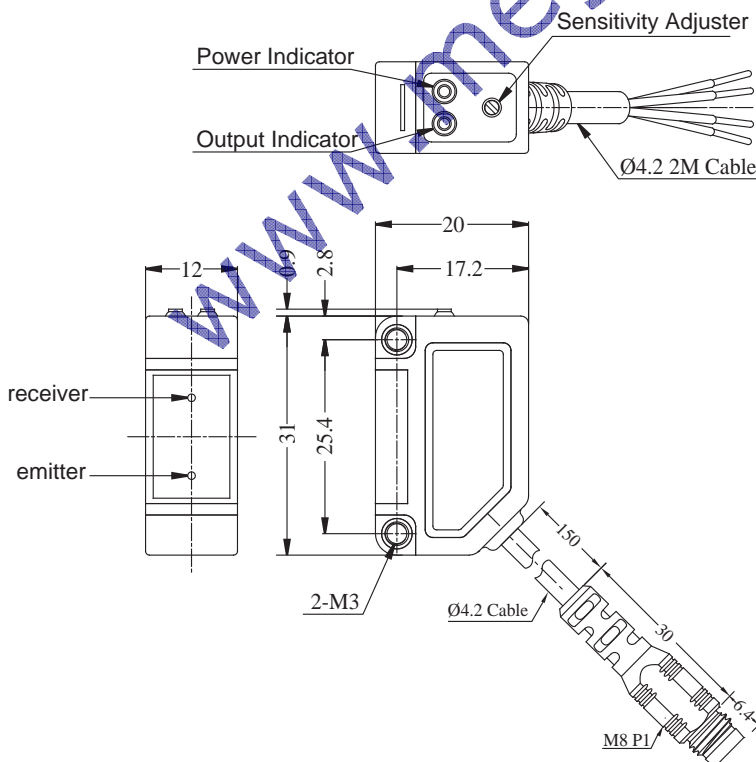
- Overmoulding pre-wired cable. One-mold design.  
/ 包覆射出，一體成型，堅固耐用。
- Convergent reflective with potentiometer.  
/ 限定距離可調式機種，可依不同情況而有所調整。



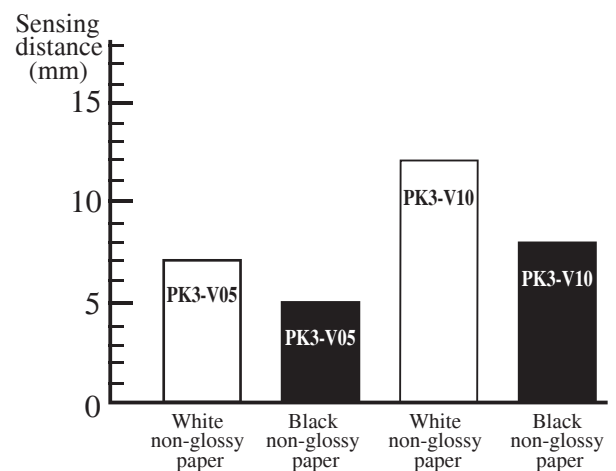
## ◆ Specifications / 規格表 :

Model / 型號	Pre-wired Ø4.2	PK3-V05N	PK3-V05P	PK3-V10N	PK3-V10P
	M8 Pigtailed type	PK3-V05NB	PK3-V05PB	PK3-V10NB	PK3-V10PB
Sensing type / 檢出方式	Convergent reflection type / 限定距離反射型				
Sensing distance / 檢出距離	7 cm (white paper 100x100mm)		10 cm (black plastic shell)		
Emitting light / 發光源	Infrared LED 850 nm				
Operating voltage / 工作電壓	DC12 ~ 24 V				
Current Consumption / 消耗電流	20 mA Max.				
Load current / 負載電流	100mA Max. at DC24V				
Output type / 輸出模式	NPN L.on/D.on	PNP L.on/D.on	NPN L.on/D.on	PNP L.on/D.on	PNP L.on/D.on
Response time / 反應時間	1.5 ms Max.				
Insulation resistance / 隔離阻抗	20MΩ min. (DC500V)				
Voltage withstandability / 絕緣耐壓	AC1000V 60Hz for 60 Sec.				
Operating temperature / 工作溫度	- 20°C ~ + 60°C				
Ambient humidity / 工作溼度	35% ~ 85% RH				
Protection degree / 防水等級	IP64				
Material / 外觀材質	ABS + PC				
Wiring method / 出線方式	PK3-□N/P	Pre-wired Ø4.2 x 2 M / 4-wires			
	PK3-□B	M8 pigtailed connector type / M8 接頭15cm電線式			
Weight / 重量	PK3-□N/P	Approx.60g			
	PK3-□B	Approx.20g			

## ◆ Dimensions / 尺寸圖 : (unit:mm)



## ◆ PK3-V05 & PK3-V10 detecting different materials :



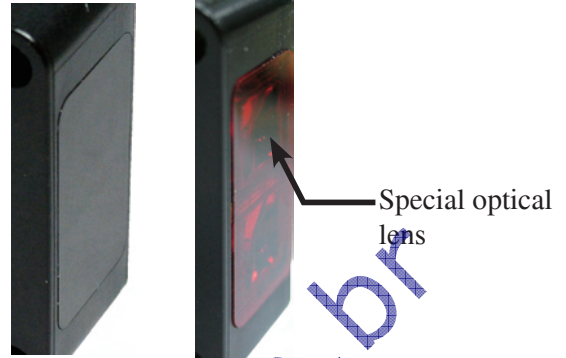
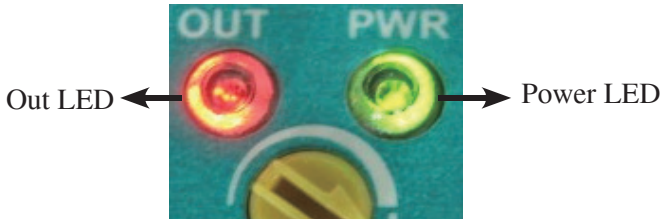
◆ Introduction / 介紹：

• Dual LED indicator / 雙LED指示燈

Visible dual LED makes you easy to know the current operating situation.

• Non-spherical optical lens / 非球面光學鏡片

For a better focusing, with the exceptional optical lens.



• Flexible Mounting / 本體固定

Embedded brass screw hole, easy mounting and no damage to the body.



www.megasensor.com.br