

# Vision Sensor So Easy, So Simple!



Optex FA is the top selling company of Vision Sensor in quantity in Japan.



actual size  
**All features built in this dimensions!**  
W42 \* H95 \* D33.8 mm

## 3 step teaching completed in 30 seconds

Enter in Teach Mode, then you can complete initial settings in 30 seconds through 3 steps ; ①Zoom ②Color selecting ③Final adjustment.  
It's an easy Vision Sensor like a color sensor.

## All-in-one Structure

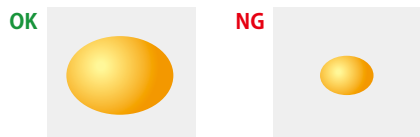
Camera, Display, Operation Buttons, and Illumination are built in one housing under IP67 toughness.

**OPTEX FA CO., LTD.**

## Features

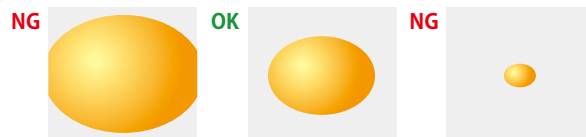
### Color Inspection mode

Determine OK when the area that the color matches exceeds the threshold.



### Two threshold mode

Determine OK when the area that the color matches is in two thresholds.

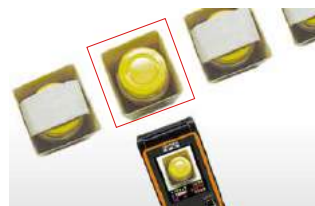


## Applications

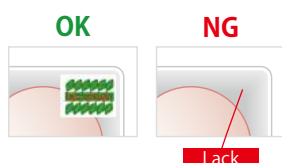
### Checking existence of seasoning bag



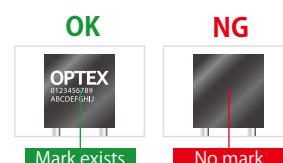
### Checking existence of description of pills



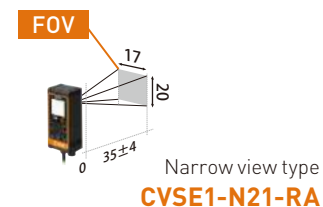
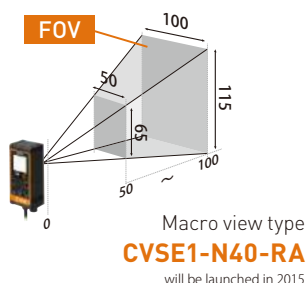
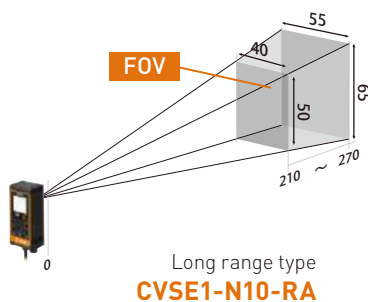
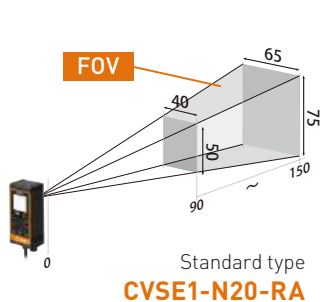
### Checking existence of label on package



### Checking marking on electric components



## Field of View (mm)



## Specifications

Model	CVSE1-RA
Light source	White LED, 12 pcs built-in
Supply Voltage	12 to 24V DC $\pm$ 10%
Power consumption	Max. 140mA / 24V DC
Resolution	5 x 12 to 200 x 240
LED light duration	Approx. 50000 hours (In normal temperature and humidity. Brightness level down by 1/2 of the initial level)
Response time	2.9ms to 27.7ms. Factory setting: 16.7ms
Output signal	NPN or PNP open collector output x 2. Max. 100mA, residual voltage 1.0V or less
Input	Bank selection x 4, Synchronous input x 1
Operating temperature / Operating humidity	0°C to 40°C / 35% ~ 85%RH
Storage temperature / humidity	-20 ~ +70°C / 35% ~ 95%RH
Vibration	10 ~ 55Hz, Amplitude 1.5mm
Shock resistance	50G (500m/s <sup>2</sup> )
Material	Case : ABS / Display and Lens: Acryl or Polycarbonate
Protection structure	IP67
Weight	Approx. 200g
Mounting	M4 screw



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