

# High Angle High Brightness Ring Illumination - HR+ Series

## Features

- Using high-power LED, higher brightness.
- Add concentrator bowl for longer working distance.

## Applications

- Robot-guided grasping
- Appearance inspection of high-speed assembly lines
- Logistics barcode, character detection

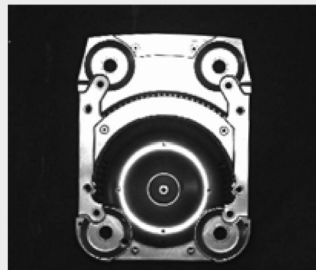


## Sample Images

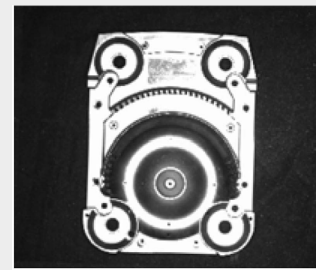
Sound shell round hole positioning detection



Ambient Light Imaging



Ring shadowless illumination imaging



High Brightness illumination imaging

## Common Specifications

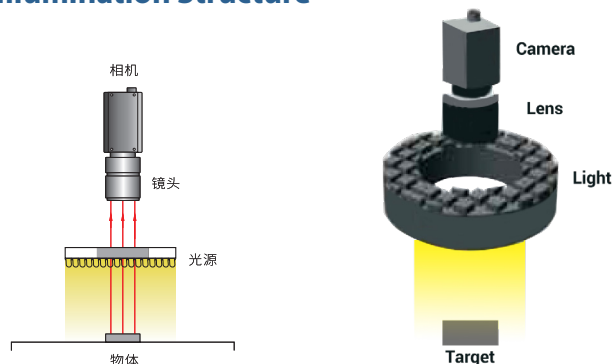
Input voltage	24 VDC
Wavelength range	Red: 620-630nm; Blue: 460-475nm; Green: 520-530nm;
Color temperature (white)	6000-10000K
Operating environment (indoor)	Temperature: 0~40°C Humidity: 20% to 85% RH (with no condensation)
Life time	White:30,000hrs, Red: 60,000hrs (Depends on the operating environment, not a gurantee)
Case material	Aluminum alloy, Resin

## Explanation of Model Code

VT-LT2-HR+	7035	90	(W/B/G/R)
Series	O.D./I.D.	Angle*	Color

\* The emission angle refers to the angle between light and horizontal plane.

## Illumination Structure



Model No.	Optical spec.		Working Distance	Electrical specifications ( NIR / UV Accept custom)			Dimensions		
	Light Area (mm) in-out	Emission angle (deg)	Recommended WD (mm)	Supply Voltage (v)	Power cons. (w) ● ● ●	Power cons. (w) ● ○ ●	Outer diam. Ø (mm)	Inner diam. Ø (mm)	Height (mm)
VT-LT2-HR+8230-90	Ø34-Ø72	90°	100-300	24	3.6	7.2	82	30	33
VT-LT2-HR+12270-90	Ø74-Ø112	90°	300-800	24	4.8	9.6	122	70	33
VT-LT2-HR+152100-90	Ø104-Ø142	90°	300-800	24	9.6	14.4	152	100	33

Dimension (mm)

