

90° Coaxial Light
NV-FVC series



90° Coaxial Light NV-FVC series

90°coaxial light has a 90°Angle with CCD camera,to adapt to different scenarios,can effectively overcome the reflective light from object surface, beter reflect the surface characteristics.



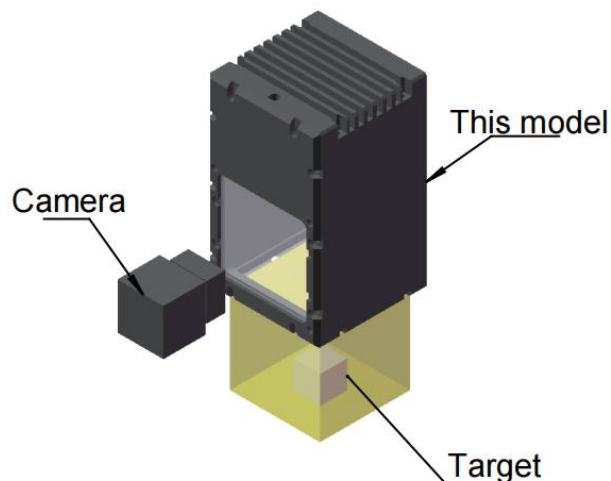
Features

- ◇ High-density alignment, uniform irradiation, no ghosting, good heat dissipation of special materials
- ◇ Optical plastic film is optional to suppress the diffusion of light in a specific direction
- ◇ Angle of 90° design, can be used in different scenarios
- ◇ Wave soldering process, side and front can be installed more convenient and flexible.

Application Areas

- ◇ Inspect the label position, QR code, Mark point
- ◇ Inspect the outline, and distance
- ◇ Inspect the chip characters and the height of connector terminal
- ◇ Inspect the damage of the out edge
- ◇ Inspect the surface of reflective objects

Illumination constructure



Selection Guide

NV	FVC	**	R/G/B/W/IR
New vision	90° coaxial light	Emitting area Width=Length	Color

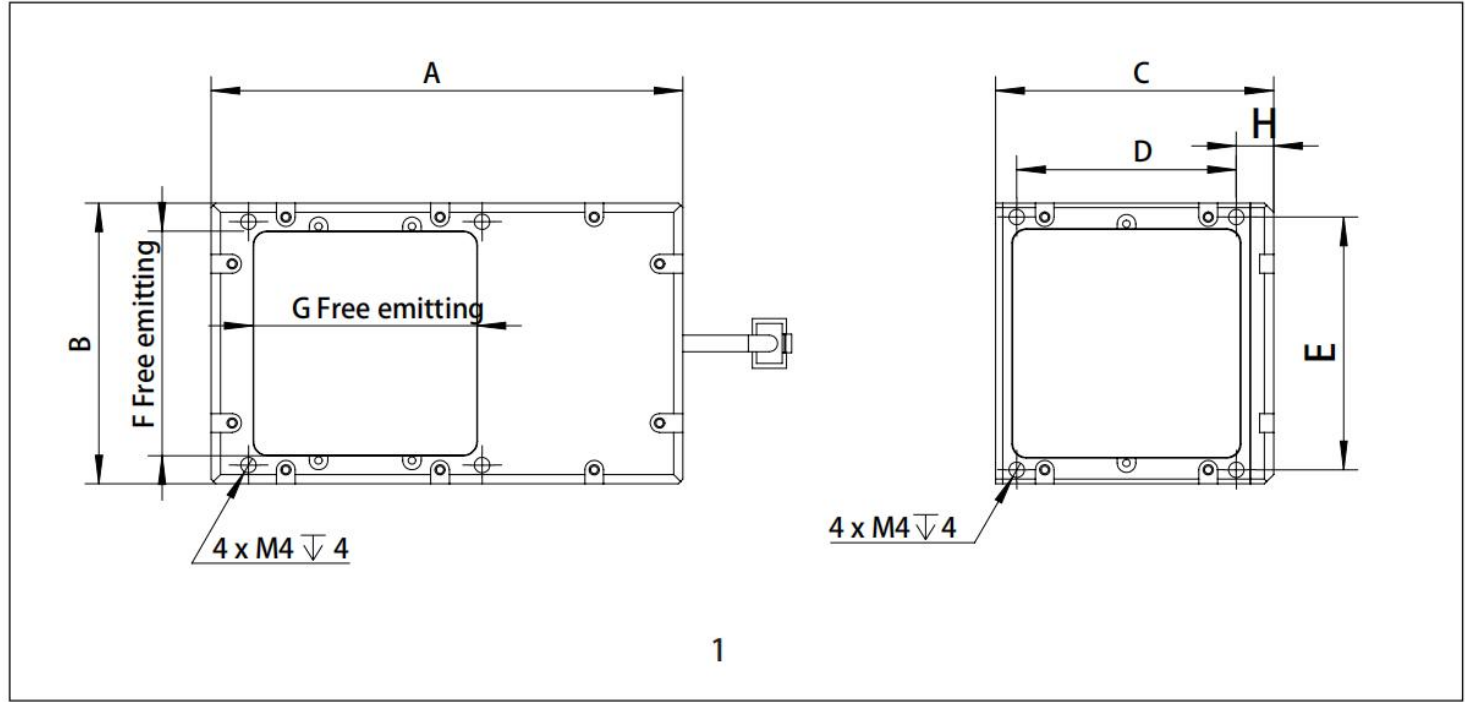
Technical Index

Color (Wavelength)	Red:620-630nm	Green:525-530nm	Blue:465-470nm
	White color temperature 6600-7000K	UV:365-395nm	IR:850/940nm
Operating environment	Temperature:0 to 50°C,Humidity:20% to 85% RH		
Life time	100,000hrs theoretical service time(Depends on the operating environment, not a guarantee.)		
Compatible Controller	Analog Controller, Digital Controller, Constant Current Controller		
Optional Accessory	1.Lights source and lens adaptor.		
	2.Diffusion plate,Polarizing plate. (Opotional transmittance:60%,70%,80%,90%)		
	3.Extension cable:1m/2m/5m/10m/15m(2 kinds of materials of the shell of wire:PVC of hardness; silicone of softness.)		
Warranty	One year warranty,Free samples and technical support(buyers pay for the freight)		
Lights customization	Provide design and development service according to individual needs of customers.To reach the best image effects.		

Light parameters(voltage is 24V)

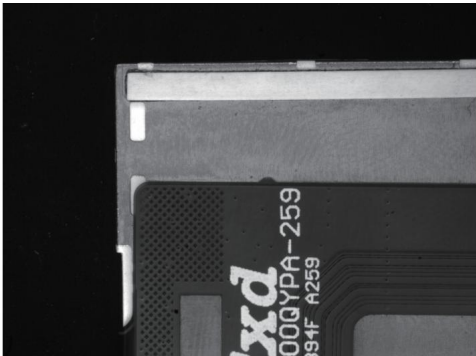
Mold	Model	Color (R/G/B/W)	Power(W)		Dimentions								Pic. No.
			Output 	Output 	A	B	C	D	E	F	G	H	
90° coaxia light	NV-FVC50		2W	2.7W	101	60	59.5	47	54	48	48	8	1
	NV-FVC80		4W	5.2W	128	88	86.5	70	82	74	74	10	
If the test object needs, it can also be made into a three-color coaxial rotation Angle,and the waveband mounting hole position can be customized													

Installation diagram



Applications

- ◇ Model:NV-FVC50-B
- ◇ PCB profile measurement, this light source uniform irradiation.
- ◇ Effectively avoid reflection caused by reflection, uniform appearance of contour.



- ◇ Model:NV-FVC80-W
- ◇ Lithium battery high surface reflection detection scratches, concave spots.
- ◇ This illuminant illuminates avoid effectively glance, even show bad.

