

Spot Light
NV-DV series



Spot Light NV-DV series

Spot Light adopted high brightness LED combined with lens, cooperated with coaxial lens to achieve small vision field emitting uniformly.



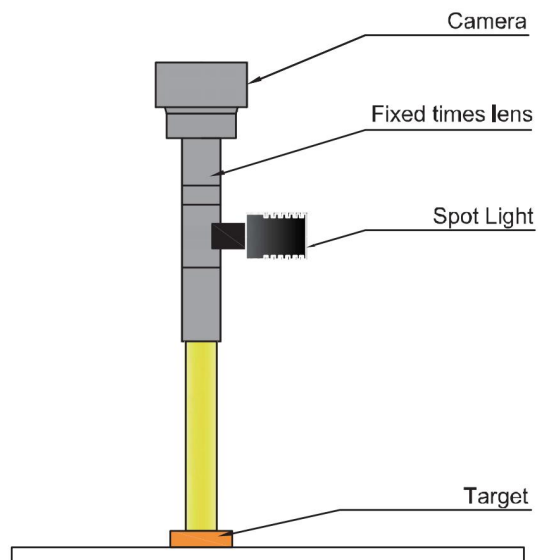
Features

- ◇ Small in size;
- ◇ High brightness, high uniformity;
- ◇ Combined with optical lens, cooperated with coaxial lens, easy adapted to narrow space.

Application Areas

- ◇ Inspect the true position of Mark point;
- ◇ Inspect QR code;
- ◇ Inspect the small gap of connectors;
- ◇ Inspect chips;
- ◇ Inspect LCD.

Illumination constructure



Selection Guide

NV	DV/PDV-	**	R/G/B/W
New vision	Spot/Collimated Spot Light	Power	Light Color

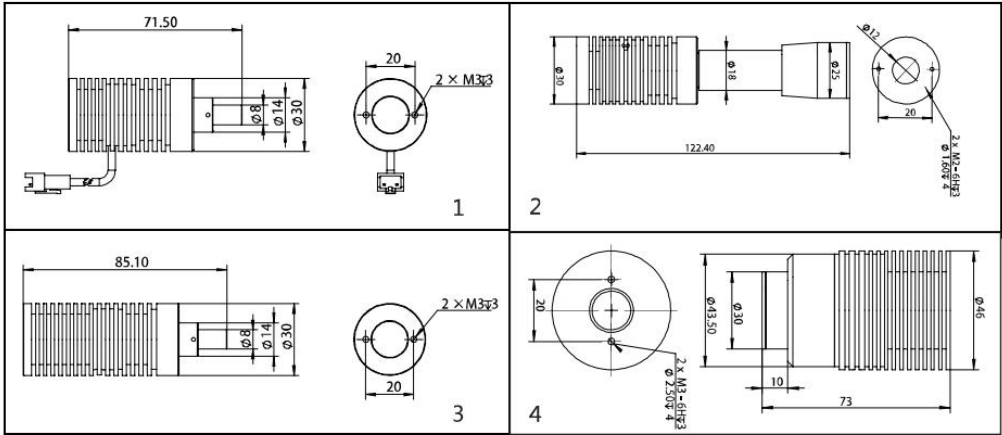
Technical Index

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. (Opational 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)(Power is customizable as your request)

Mold	Model	Color (R/G/B/W)	Power(W)	Current	Pic. No.
					
Spot Light	NV-DV1W-*		1W	constant current	1
	NV-DV3W-*		3W	constant current	
	NV-DV5W-*		5W	constant current	
	NV-DV10W-*		10W(White)	constant current	
Collimated Spot Light	NV-PDV3W-*		3W/5W	constant current	

Installation diagram



Applications

- ◇ Inspect the suspended solids in oral liquid and ampoule

◇ Model: Collimated spot light (adjustable light spot): NV-PDV3W-IR/W

◇ This solution aimed at to inspect the suspended solids (eg.cullet, scrap metal, white spot, white block, fiber, wiredrawing, carbonization, insects, aluspan, and etc.) in ampoule bottles, penicillin bottles, oral liquid, and etc. Adopted IR or white collimated spot light to emitting from the bottom, so the defects can be seen clearly.
- ◇ Inspect the alignment of mark point on mobile circuit board

◇ Model: NV-DV3W-B/W

◇ Small vision field requires high uniformity of light, use high brightness spot light combined with coaxial lens to emitting, emboss the mark point, achieve high accuracy of alignment.

