OPTICS
NEW VISION

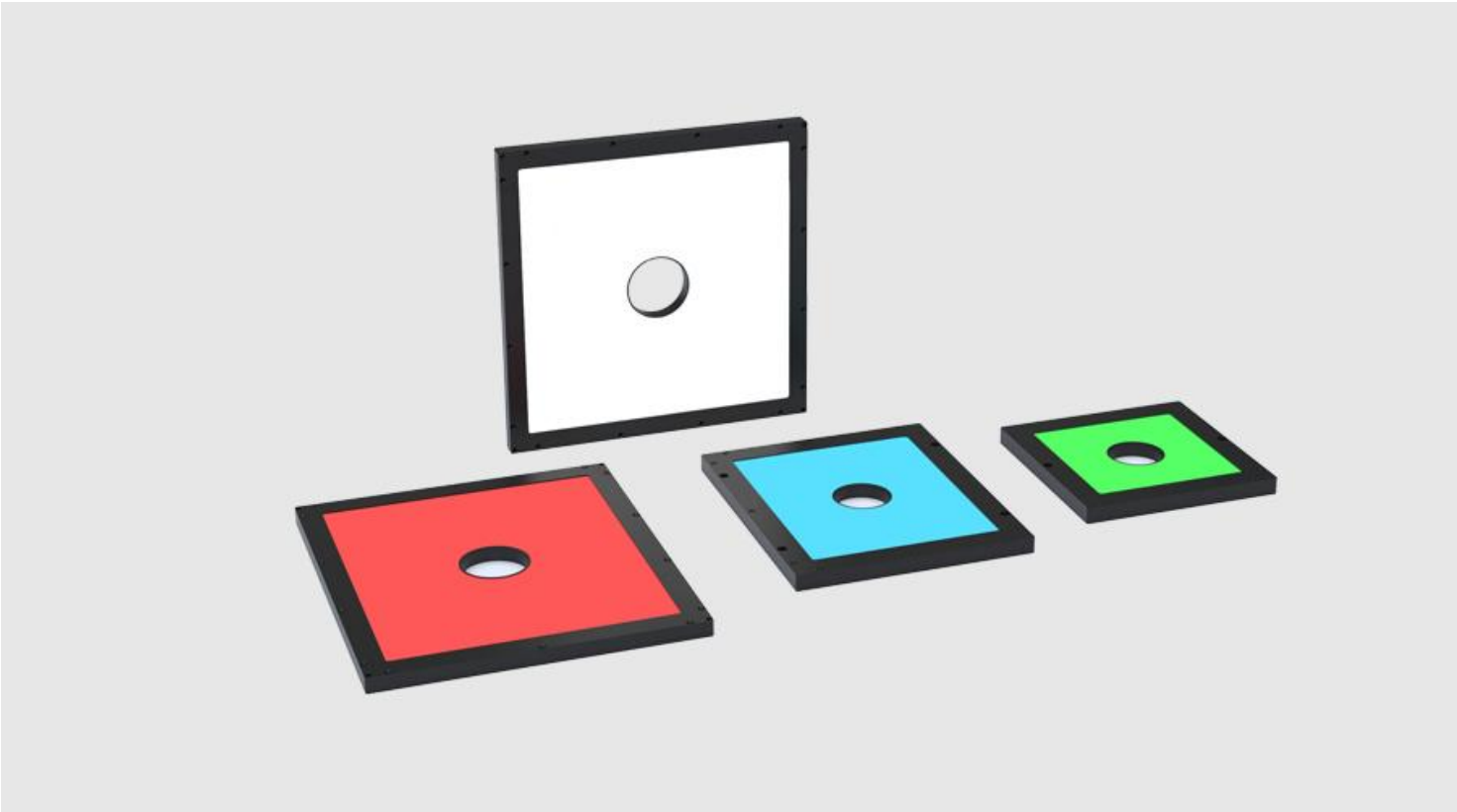
Mid-hole Back light

NV-THZ/2THZ series

Fujian New vision technology CO.,Ltd.

Mid-hole Back light NV-THZ/2THZ series

Mid-hole back light adopted drawing die and special circuit, different from back light illuminate from front in a large area, easy installation and high efficiency in heat dissipation from bottom and sides. Imported small LED chips were arranged in high density,improved the uniformity of light, make it possible to design in multiple dimensions, especially suitable for large area illuminating,can be used to replace large area emitting no shadow light.



Features

◇Available to be combined to multi sizes of emitting area

◇ Optional different transmittance diffused plate, incase different field demand

◇Adopted reflow soldering technology, easier installation of sides and front

◇Suitable for large area illuminating, can be used to replace large area illuminating shadowless light

Application Areas

◇Inspect the height of liquid level

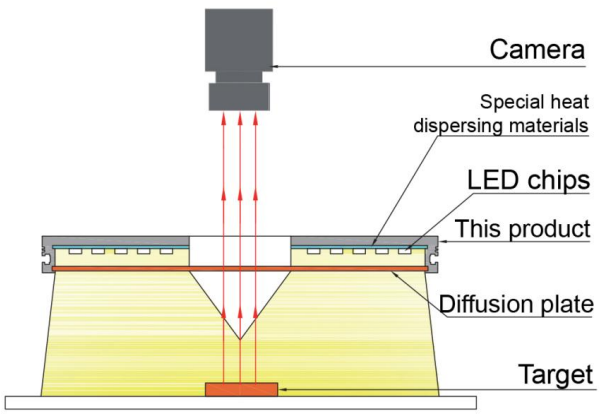
◇ Inspect the products outline and the distance between products

◇Inspect the connector circuitry

◇Inspect the damage of outer edge

◇ Inspect the appearance dimensions under a large uniformity lighting area

Illumination constructure



FG-THZ/2THZ Series
Illumination Structure

Selection Guide

NV	THZ-	**	**	R/G/B/W/IR
New vision	Mid-hole back Light	Length of emitting area	Width of emitting area	Color

NV	2THZ-	**	**	R/G/B/W/IR
New vision	Mid-hole back Light (New Products)	Length of emitting area	Width of emitting area	Color

Technical Index

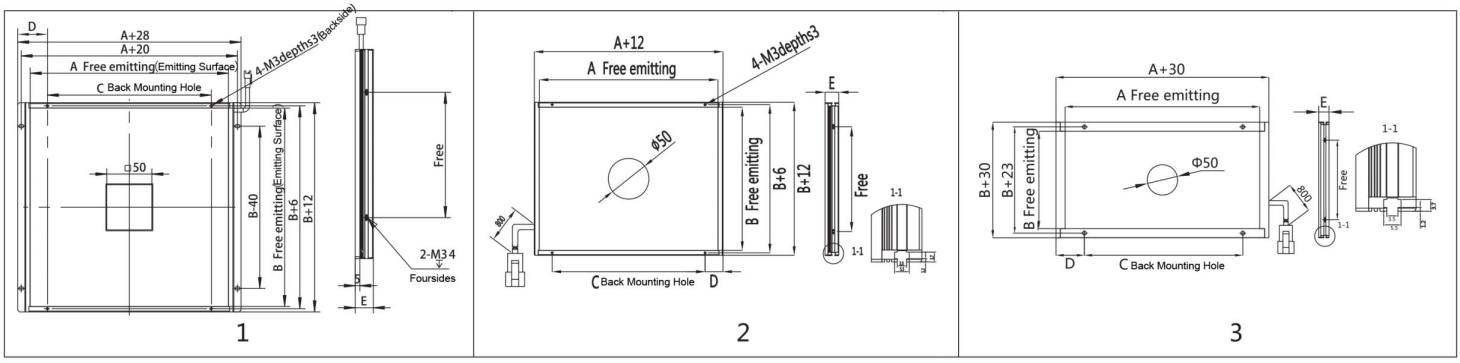
Color (Wavelength)	Red:620-630nm	Green:525-530nm	Blue:465-470nm
	White color temperature 6600-7000K	UV:365-395nm	IR:850/940nm
Operating environment	Temperature:0 to 50℃,Humidity:20% to 85% RH		
Life time	100,000hrs theoretical service time(Depends on the operating environment, not a guarantee.)		
Compatible 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)

Mold	Model	Color (R/G/B/W)	Power(W)		Dimentions					Picture Number of Installation
			Output	Output	A	B	C	D	E	
High brightness Mid-hloe back light	NV-THZ220220		40.2W	55.6W	220	220	182	33	20	1
	NV-THZ240160F		39.2W	53.2W	240	160	202	33	20	
	NV-THZ240200		42W	60W	240	200	202	33	20	
	NV-THZ200200		29.8W	45.3W	200	200	162	33	20	
	NV-THZ240240		40.6W	80.6W	240	240	202	33	20	
	NV-THZ320240F		75.2W	91.3W	320	240	282	33	20	
	NV-THZ300300B		70W	106W	300	300	262	33	20	
	NV-THZ500400F		172.3W	195.3W	500	400	462	33	20	
	NV-THZ360360		86.6W	131.3W	360	360	322	33	20	2
	NV-THZ400300		94W	141.3W	400	300	362	33	20	
	NV-THZ600460		206.4W	310W	600	460	562	33	20	
General brightness Mid-hloe back light	NV-2THZ180180		3.64W	10.92W	180	180	140	30	13	3
	NV-2THZ200170		4.12W	9.53W	200	170	170	30	13	
	NV-2THZ200200		3.93W	11.53W	200	200	170	30	13	
	NV-2THZ240200		4.12W	12.22W	240	200	210	30	13	
	NV-2THZ300300		5.1W	15.3W	300	300	270	30	13	
	NV-2THZ360360		5.76W	17.28W	360	360	330	30	13	
	NV-2THZ400300		7.6W	18.72W	400	300	370	30	13	
	NV-2THZ600460		14.2W	34.44W	600	460	570	30	13	

Installation diagram

It is customizable for round or square hole, please refer to the newest drawing for specific parameters.



Applications

◇Inspect the outline and surface of auto parts

◇Model: NV-THZ360360-R(white background)

◇Utilize the high brightness of mid-hole back light to emit on the white background uniformly, the reflected light will form backlight effect.Mid-hole light still can be used as front light which has high uniformity and with no reflection when emitting on the surface of auto parts,achieve the inspect of outline of large parts and the defects of surface quite well.



◇Inspect if the keys of car dashboard are in the right position

◇Model:NV-THZ360360-R(white background)

◇Utilize the high brightness of mid-hole back light to illuminate on the surface of car dashboard

uniformly, so the characters and outlines can be seen equally.

