

# 1/2.7" Megapixel IR Series

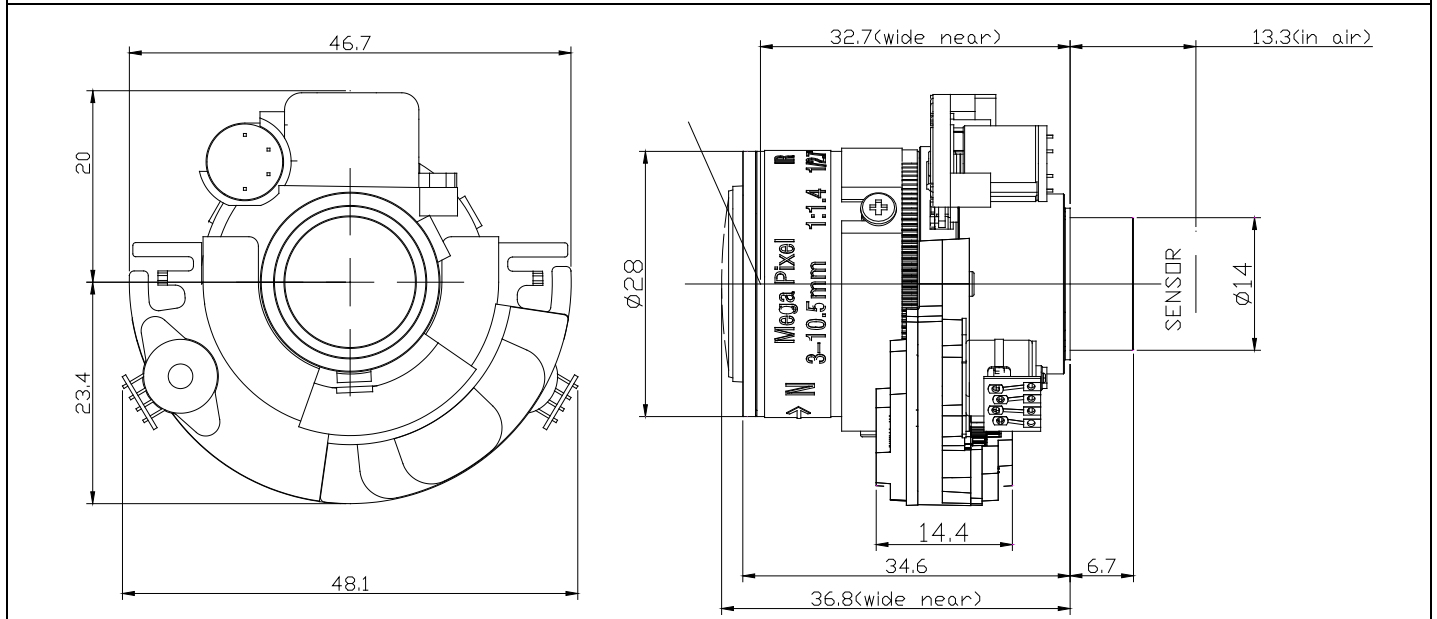
## NV03105FB.ICR-MFZ-B

- 3 – 10.5mm
- Φ14 Mount
- 1/2.7" Format
- Fixed-Iris & IR-Cut
- 3 Megapixel
- IR Correction



有效焦距	E.F.L.	3 ~ 10.5 mm	
相对孔径	F No.	F1.4	
水平视角	H.FOV	1/2.8" 1080P	100° ~ 30°
像面尺寸	Image Format	1/2.7"	
光圈类型	Iris Type	Fixed-Iris & IR-Cut	
接口类型	Mount Type	Φ14	
近 摄 距	M.O.D	0.3m	
畸 变	TV Distortion	1/2.8" 1080P	-15% (wide)
主 光 角	Chief Ray Angle (Max)	<7°	
操控方式	Control Type	变倍 Zoom	Stepping Motor
		聚焦 Focus	Stepping Motor
工作温度	Operating Temperature	-20°C ~ 60°C	
镜头重量	Weight	35g ±3g	

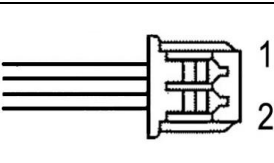
### 尺寸规格 Dimensions



Tolerance(mm)	0 ~ 10 ±0.05	10 ~ 30 ±0.10	30 ~ 120 ±0.20	Angle ±2°
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# IR-Cut

## 1. Connector and Cord Specification

		Housing	Molex 51021-0200
		Terminal	Molex 50058-8000
		Pitch	1.25mm
1. Red	2. Black	Cable Length	110mm

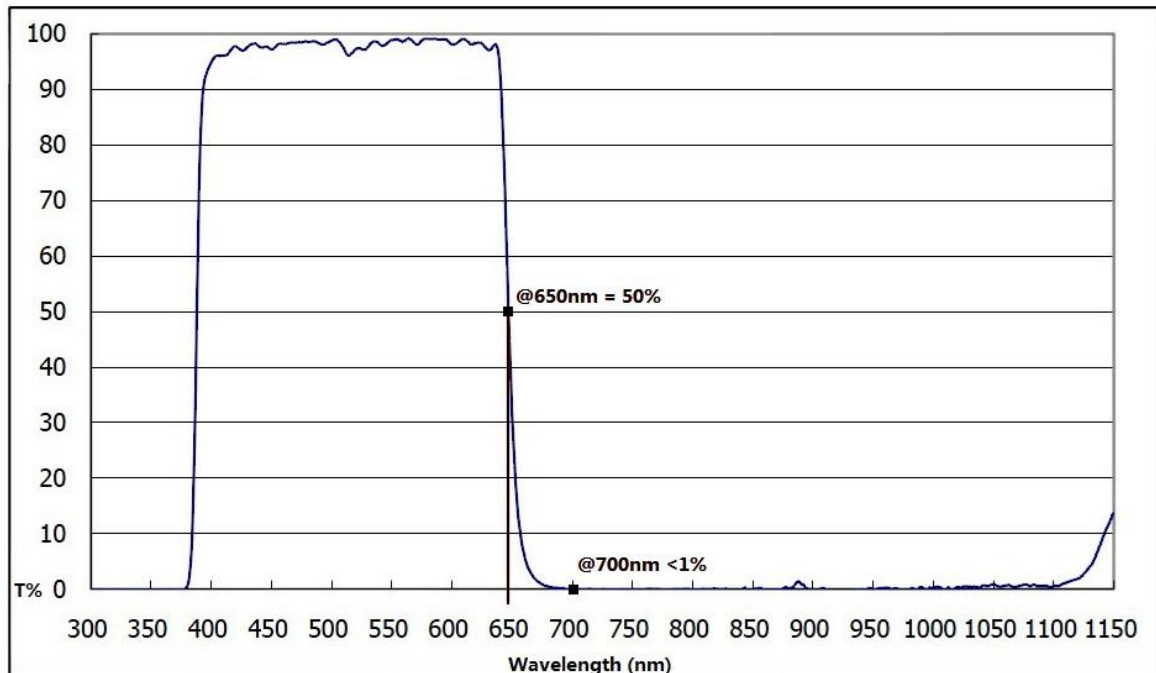
## 2. IR-Cut Specification

<b>Motor</b>	Driving Coil	190 at 20°C
	Storage Temperature	-30 ~ 70°C
<b>Operating</b>	Operating Voltage	3.5 ~ 5V
	Operating Mode	One-shot (100 ~ 200ms)
	Temperature	-20 ~ 60°C

## 3. IR-Cut Filter

IR Mode	Day Mode
1. Red +	1. Red -
2. Black -	2. Black +

## 4. IR-Cut Optical Characteristic Curve



# MFZ

## 1. Connector and Cord Specification

	1	1	White	Zoom	A
	2	2	Green	Zoom	$\bar{A}$
	3	3	Red	Focus	A
	4	4	Orange	Focus	$\bar{A}$
	5	5	Brown	Focus	B
	6	6	Yellow	Focus	$\bar{B}$
	7	7	Blue	Zoom	B
	8	8	Black	Zoom	$\bar{B}$
<b>Connector</b>	Housing		Molex 51021-0800		
	Terminal		Molex 50058-8000		
	Pitch		1.25mm		
	Cable Length		170mm		

## 2. MFZ Specification

<b>Stepping Motor</b>	Motor Type	PM type stepping motor
	No. of Phases	2 phases
	No. of Focus steps	1763 steps
	No. of Zoom steps	730 steps
	Coil Resistance	21Ω/phase, at 20°C
	Storage Temperature	-30 ~ 70°C
<b>Operating</b>	Operation Voltage	3.5 ~ 5V
	Operation Frequency	200 ~ 800pps
	Operation Temperature	-20 ~ 60°C

## 3. Focus and Zoom

Pin			1	2	3	4
1	Zoom	A	H	H	L	L
2	Zoom	$\bar{A}$	L	L	H	H
7	Zoom	B	L	H	H	L
8	Zoom	$\bar{B}$	H	L	L	H
3	Focus	A	H	H	L	L
4	Focus	$\bar{A}$	L	L	H	H
5	Focus	B	L	H	H	L
6	Focus	$\bar{B}$	H	L	L	H

ZoomWide→Tele: 1 →2 →3 →4 →1...

ZoomTele→Wide: 4 →3 →2 →1 →4...

FocusNear→Far: 1 →2 →3 →4 →1...

FocusFar→Near: 4 →3 →2 →1 →4...