Kowa

Machine Vision in Focus

LM15FC-R

RADIATION RESISTANT

Anti-Browning Lens

1.1”

24 MP

A NEW REALM OF ENVIRONMENTAL RESISTANCE

Machine Vision in Focus

LM15FC-R

- Prevention of coloration in radiation environment by using a radiation-resistance glass material.
- Can be used in a radiation facility and space for a long period.
- Robust mechanical design for water and dust resistance.
- Interchangeable iris plate.
- Focus adjustment by double-nut-system.

Nuclear power plant

Space exploration

Satellites

Focal Length	15mm
Image Size (mm)	14.1×10.6(Φ17.6)
Iris Range (F-stop)	F2.8/F4/F6/F10
Focusing Range (m)	0.1~∞
Focus	Manual
Angle of View (Degrees)	
1.1 Inch	52.3×39.8
1 Inch	47.7×36.1
2/3 Inch	33.1×25.0
Back Focus in Air (mm)	16.3
Mount	C Mount
Size(mm)(∞)	Φ31×55.7
Weight (g)	70
Temperature Range	−10°C~+50°C
Radiation resistance	2 MGy

LM15FC-R stays clear

Effect on non radiation lens

In a standard lens, radiation exposure can cause brown discoloration of the glass material therefore obstructing visible light. The LM15FC-R lens can endure radiation environments for extended periods, as its radiation-resistant glass prevents such discoloration and the optics remain clear.

LM15FC-R

15mm | F2.8

15 mm | 1.1” | 24 MP

LM15FC-R is a built to order product.

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