Exceeding 5 Megapixel Lenses (NEW)

This series are developed to be used with 2/3" format sensor like Sony IMX250 and are not only optimised for high image quality, but also for use in harsh environments and durable industrial systems.

1. Exceeding 5 Megapixel Lenses

   FL-CC0820-5MX

   - 5M
   - Format 2/3"
   - f=8.0 mm
   - F2.0 - 16
2. Exceeding 5 Megapixel Lenses

   FL-CC1218-5MX

   - 5M
   - Format 2/3"
   - f=12.0 mm
   - F1.8 - 16
3. Exceeding 5 Megapixel Lenses

   FL-CC1618-5MX

   - 5M
   - Format 2/3"
   - f=16.0 mm
   - F1.8 - 16
4. Exceeding 5 Megapixel Lenses

   FL-CC2518-5MX

   - 5M
   - Format 2/3"
   - f=25.0 mm
   - F1.8 - 16
5. Exceeding 5 Megapixel Lenses

   FL-CC3524-5MX

   - 5M
   - Format 2/3"
   - f=35.0 mm
   - F2.4 - 16

1. Exceeding 5MP in the central zone

2/3" Format 5 Megapixel Lens

- Resolution is superior to competitor's higher resolution lenses

Resolution is superior to competitor's higher resolution lenses

JIIA S-Rank[1] Performance

These lenses use JIIA (Japan Industrial Imaging Association) high performance class/evaluation standards for high definition camera lenses and satisfy S-Rank[1] (Best Performance Class) criteria. As entire field 5 Megapixel camera lenses, they capture high resolution, low distortion images not just from the center to the periphery but over the entire image measurement field.

2. High resolution at any working distance

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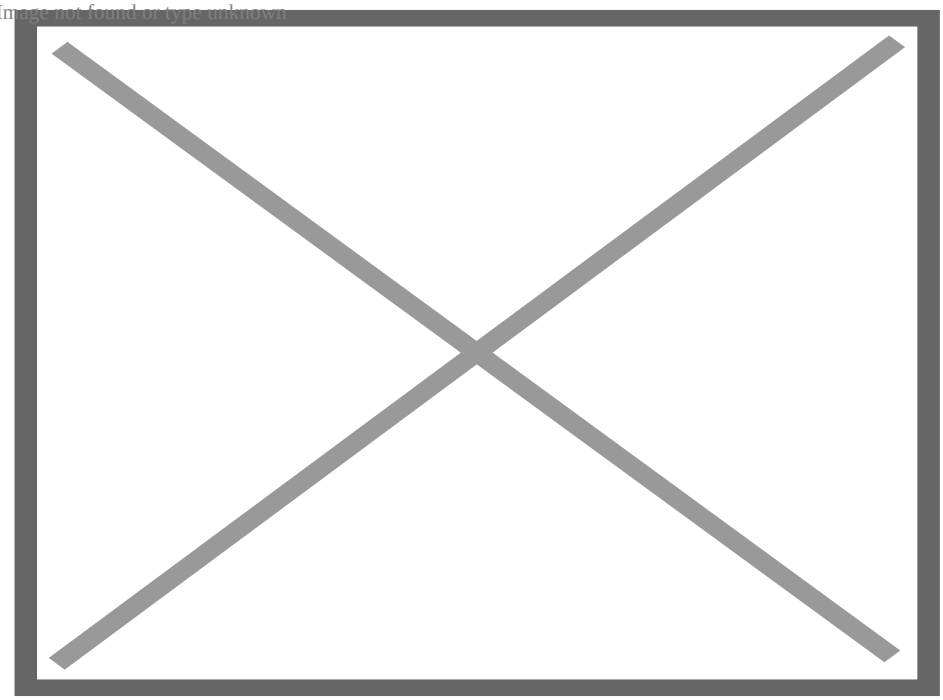

https://industry.ricoh.com/en/fa_camera_lens/lens/5m_mx/#anc05

Floating Focusing Mechanism

The lens's focusing uses a floating mechanism design, reducing aberrations from an infinite to close working distance. Therefore, the lenses can also be used at distance in intelligent traffic technology.
A floating focusing mechanism focuses whilst changing the spacing of some of its optical systems in order to minimize changes in aberrations due to object distance. The lens's construction is divided into a focus group that moves when focusing and a fixed group that remains stationary.

Floating Focusing Mechanism

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Floating Focusing Mechanism

[1]S-Rank standards by JIIA (Japan Industrial Imaging Association)

3. The Benefit of Replacing 2 Megapixel Lenses with 5 Megapixel

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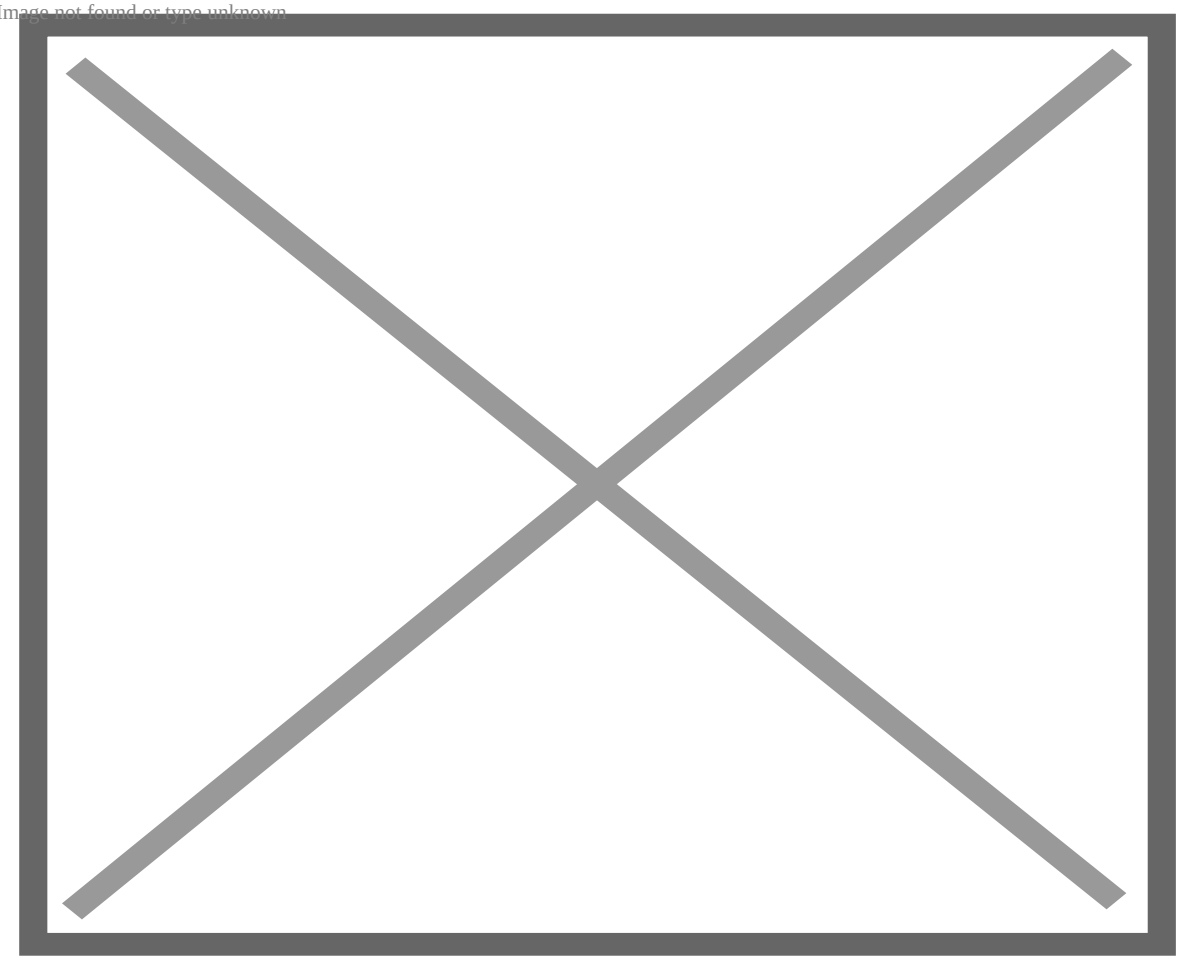

Even if you are satisfied with the central performance of your 2 Megapixel lens. Replacing it with a Ricoh Exceeding 5 Megapixel lens will improve your inspection stability and processing time owing to its higher performing peripheral imaging.

Ricoh’s FA lenses are value for money in improving the Stability and Efficiency of image recognition in production.

1. The higher the percentage, the easier a slanted edge can be recognised (margin threshold setting high / small recognition error)

More information

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