



Quality of Light

go wide

Market leading Kowa extreme wide angle lenses.





Quality of Light

Kowa C-mount extreme wide angle lens selection.

Kowa wide angle lenses represent the pinnacle of optical performance and benefit from over 70 years of Kowa optical design development and manufacturing techniques. Each lens pushes the boundaries of optical engineering both technically and mechanically to deliver a range of flawless performing lenses at extreme wide angle focal lengths.

Every Kowa wide angle lens is engineered to deliver an extreme wide field of view with low distortion. Kowa leads the way in wide angle performance in the machine vision industry offering a broad range and the widest focal lengths on the market. Applications include factory automation, agriculture, autonomous driving and many other machine vision systems. Their wide field of view can be a game changer when it comes to designing machine vision systems often reducing the need for additional optics and hardware.

FC24M SERIES

LM6FC24M

6.5 mm



1.1"

24 MP

2.5µm

Ultra high Resolution, low distortion wide angle lens for 24MP cameras with a chip size of 1.1"

The optics are coated with a broadband coating, which effectively reduces glare and reflection effects and provides high transmission from the visible to the near infrared wavelength.

This Kowa C-Mount lens series is designed for use in industrial environments.

The 1.1" lens is compact, robust and temperature resistant.

Suitable for Sony IMX183, 530/540, 531/541, 253/304 and onsemi XGS16000 sensors.

Other lenses in the series



HC SERIES

LM4HC

4.7 mm

LM6HC

6 mm



1"

5 MP

5µm

The 4.7mm lens is a very unique addition to our renowned HC Series.

The LM4HC and LM6HC can be used for cameras with a pixel size down to 5µm.

The HC series deliver excellent corner brightness with low distortion. This high performance compact lens series is designed for large format 1" megapixel applications.

Suitable for Sony IMX174, CMOSIS CMV4000 and Sony IMX249 sensors and many more.

Other lenses in the series



JC10M SERIES

LM3JC10M

3.7 mm

LM5JC10M

5 mm



2/3"

10 MP

2.4µm

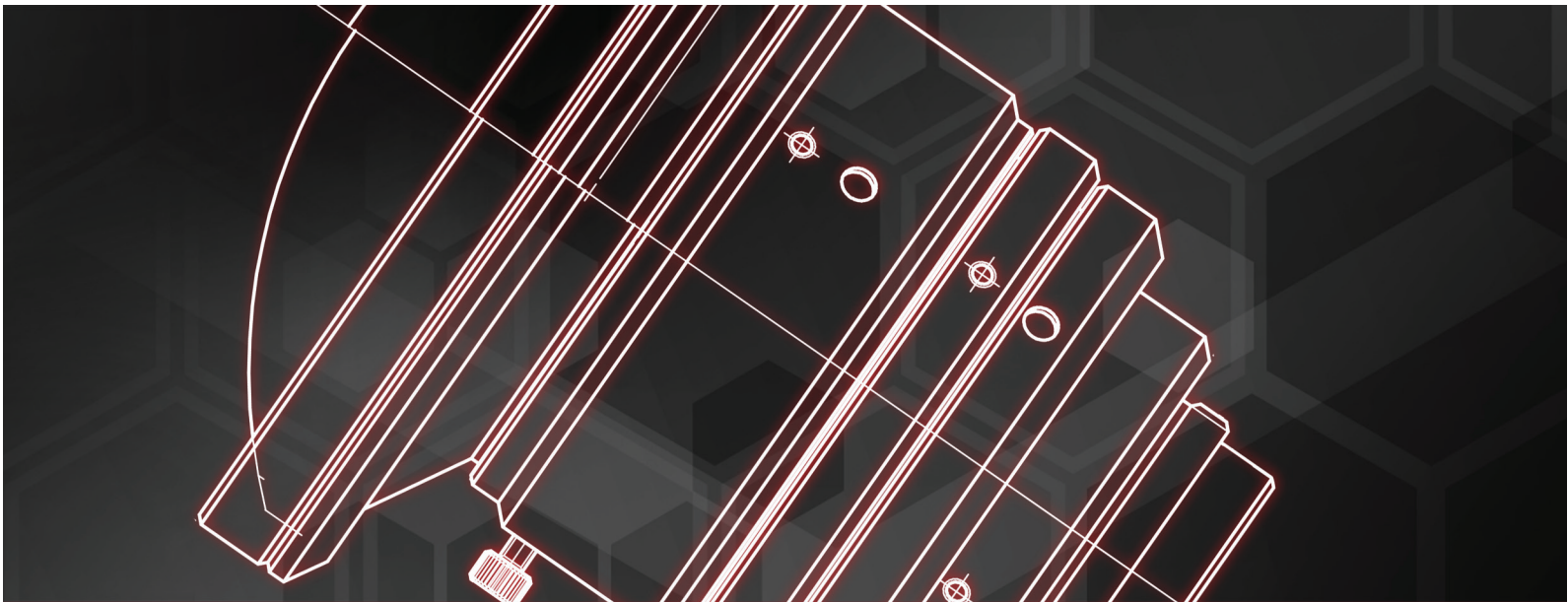
2/3" 10 Megapixel C-mount industrial lens series for sensors with a pixel size from 2.5µm. Suitable for Sony IMX536, IMX537 sensors and XGS5000 sensors plus many more.

The series features a floating mechanism to eliminate optical aberrations along with a broadband coating for transmission from VIS to NIR.

Suitable for IMX536, IMX537 and onsemi XGS5000 sensors and many more.

Other lenses in the series





JCM-WP SERIES

JCM / JCM-V SERIES

NCL/NCM SERIES

LM3NCM-WP

3.5 mm

LM5JCM-WP

5 mm



1/1.8" LM3NCM-WP, 2/3" JCM-WP, 2 MP, 4.5µm

The JCM-WP series is a water and dust resistant high-resolution lens with a design based on Kowa's ruggedized megapixel JCM-V lenses.

Water repellency and easy cleaning of the front lens surface by applying Kowa's special coating. A two way reversible nut is utilized instead of thumb screws in order to tightly lock the focus adjustment ring in place.

Interchangeable iris plates are used to select the F-stop. All internal glass elements are glued to the inside housing to improve stability.

Suitable for Sony IMX273, Sony IMX290 and onsemi Python2000 sensors and many more.

Other lenses in the series

8 mm, 12 mm, 16 mm, 25 mm, 35 mm, 50 mm

LM5JCM

5 mm

LM5JCM-V RUGGEDIZED



JCM SERIES

2/3", 2 MP, 4.5µm

Suitable for onsemi Python2000, e2v EV76C570 sensors and many more

Other lenses in the series

8 mm, 12 mm, 16 mm, 25 mm, 35 mm, 50 mm, 75 mm, 100 mm

JCM-V RUGGEDIZED

2/3", 2 MP, 4.5µm

Suitable for onsemi Python2000, e2v EV76C570 sensors and many more

Other lenses in the series

8.5 mm, 12 mm, 16 mm, 25 mm, 35 mm, 50 mm

LM4NCL

3.5 mm, 4.5 mm, 6 mm, 3.5 mm, 6 mm

LM5NCL

LM6NCL

LM3NCM

LM6NCM



NCL SERIES

1/1.8"

Suitable for onsemi Python2000 sensors and many more

Other lenses in the series

12 mm

NCM SERIES

1/1.8" LM3NCM, 1/2" LM6NCM, 2 MP, 4.5µm

Suitable for SONY IMX421, SONY IMX429, SONY IMX437, onsemi Python2000 sensors and many more



Kowa Company Limited, one of the largest privately owned companies in Japan. Founded in 1894, Kowa has grown into a multinational Japanese company actively engaged in various manufacturing and trading activities in the fields of optics, pharmaceutical, life science, textiles and various consumer products.

Pushing the boundaries of
optical design
for over **70 years.**

The electronics and optics division of Kowa began the production of lenses in the 1940s. Shortly after that spotting scopes and binoculars were added to the product portfolio.

From the beginning, Kowa positioned itself in the high quality segment of the market. Most Kowa optical products are designed and manufactured in Japan.

Over the years, the product lines of lenses in the CCTV/ security, machine vision and traffic control (ITS) categories have become one of the most extensive in the market. In addition to the standard lens portfolio, Kowa also provides custom lens solutions to ensure that each customer finds the perfect fit with a Kowa product for any type of project.



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Search Kowa lenses



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