



**KOWA
INDUSTRIAL
FA
LENSES**

NEW

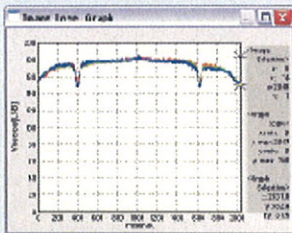
CLS Series 3CCD Color Line Scan Lens

The First F-Mount 3CCD Color Line Scan Lens in the industry.

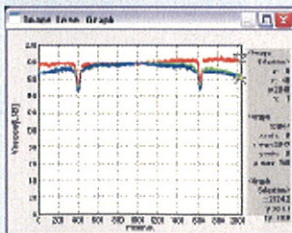
- ❑ The first F-mount 3CCD Line scan lens available in the industry.
- ❑ Telecentric out-put design minimizes the influence of the 3CCD prism.
- ❑ Ultra high resolution, low color aberration, high corner brightness.
- ❑ For use with 30mm line sensor length.



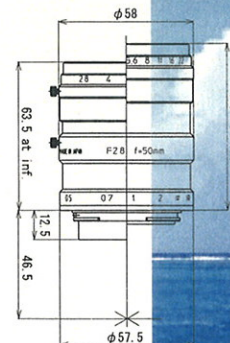
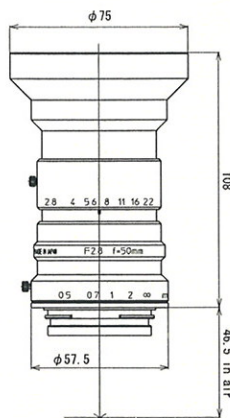
3CCD Color shift Comparison



**Kowa CLS Series
(No RGB color shift)**



Standard Lens



Model Name	LM28CLS	LM50CLS
Focal Length (mm)	f=28	f=50
Max Diameter (Ratio)	F : 2.8	F : 2.8
Iris Range (F-Stop)	F2.8~F16	F2.8~F16
Sensor Size (mm)	30	30
Minimum Focus Distance (m)	0.5	0.5
Flange Back	46.5mm In Air	46.5mm In Air
Filter Screw Size (mm)	M72 X 0.75	M52 X 0.75
Front / Rear Effective Dia. (mm)	F : φ63.4 R : φ39.0	F : φ36.8 R : φ38.6
Mount	Nikon F-Mount	Nikon F-Mount