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BASLER 1.1" PREMIUM FIXED FOCAL LENSES

1.1", 12MP

2200000574
C11-0824-12M, 8mm, 1.1", C-Mount, 12MP



- Sensor size up to 1.1"
- Focal lengths up to 50mm
- 12MP resolution
- C-Mount lenses

PRODUCT DESCRIPTION

Basler 1.1" Premium Fixed Focal Lenses are engineered for high-resolution imaging with sensors up to 1.1" in size, supporting resolutions up to 12 megapixels. These lenses are available in fixed focal lengths typically ranging from 8 mm to 50 mm and are optimised for use with modern CMOS sensors, ensuring excellent image sharpness, low distortion, and minimal chromatic aberration across the entire field of view. Their C-mount design, combined with manual iris control and locking screws for both focus and aperture, provides reliable stability and repeatability in industrial applications. The lenses are built with high-precision optics and rugged mechanical housing, making them suitable for demanding vision systems that require consistent performance.
In practical use, Basler 1.1" Premium Fixed Focal Lenses are ideal for applications that demand high accuracy and image detail, such as semiconductor inspection, automated optical inspection (AOI), metrology, and robotics. Their ability to maintain edge-to-edge clarity and support high frame rates makes them a strong choice for fast-moving production environments. These lenses also perform well in systems where tight integration and consistent image quality are crucial, helping improve the reliability of defect detection, measurement accuracy, and overall vision system efficiency.

TECHNICAL DATA

Aperture range max (f)	2.4
Aperture range min	16
Focal length	8.5 mm
Focus distance min	100 mm
Iris	Manual iris
Lens Barrel	C-Mount
Pixel size min	3.45 µm
Resolution max	12 MP
Sensor size max	1.1"
Type of lens	Fixed
Weight	264.4 g