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BASLER 1/2.5 PREMIUM FIXED FOCAL LENSES

1/2.5", 5MP

2000034830
C125-0418-5M, 4mm, 1/2.5", C-Mount, 5MP



- Sensor size up to 1/2.5"
- Focal lengths up to 16mm
- 5MP resolution
- C-Mount lenses

PRODUCT DESCRIPTION

Basler's 1/2.5" premium fixed focal length lenses are engineered to deliver high-resolution imaging for machine vision applications.Designed with C-mount compatibility, these lenses offer focal lengths ranging from 4 mm to 25 mm and support sensors up to 1/2.5" format.Each lens is optimised for 5 MP resolution with a minimum pixel size of 2.2 µm, ensuring sharp image quality from center to edge.Features include manual iris control (aperture range from F1.8 to F22), robust metal housing, and locking screws for iris and focus adjustments.The lenses exhibit low distortion and high contrast, making them suitable for precise imaging tasks.
These lenses are ideal for applications requiring detailed image capture, such as quality inspection, object recognition, and measurement tasks in industrial settings.Their compatibility with Basler's ace, dart, and pulse camera series ensures seamless integration into existing systems.The compact design and high optical performance make them a reliable choice for various machine vision applications where space and image clarity are critical.

TECHNICAL DATA

Aperture range max (f)	1.8
Aperture range min	22
Focal length	4 mm
Focus distance min	100 mm
Iris	Manual iris
Lens Barrel	C-Mount
Pixel size min	2.2 µm
Resolution max	5 MP
Sensor size max	1/2.5"
Type of lens	Fixed
Weight	55 g