



# M70

Sharp right into every corner - images taken with the M70 leave nothing to be desired. Quality meets effectiveness.



## Features

### High performance sensor

- 70-megapixel BSI CMOS sensor
- Available as color, grayscale and multispectral sensor
- Highest resolution for capturing the finest details
- High sensitivity, spatial resolution and precision in metrology applications thanks to the number, positioning and size of the individual pixels

### Global Shutter

The M70 delivers unsurpassed image quality on a global scale with outstanding resolution, an extended dynamic range and precise color reproduction and geometry. Geometry. The global shutter of the 70-megapixel camera enables minimal exposure times of one microsecond, for example, which ensures outstanding sharpness, especially when capturing movable objects.

- Prevents rolling shutter effects and motion blur
- No moving parts; no mechanical wear and tear
- Enables synchronization in high-speed applications
- Live video image (preview)
- Real-time image editing processes

### Intuitive Scanning software

Enables a smooth image capture and offers an intuitive interface for structuring the captured data. Image processing tools support you in post-processing the images but can also be used before scanning. The seamless integration of hardware and software creates a productive solution for high-quality digitization projects.

### Housing

- Highly thermally conductive aluminium housing with a low coefficient of thermal expansion and a lightweight and compact design for integration and mobility
- Robust and resistant to dust, moisture & temperature fluctuations
- Precise triggering and synchronization functions
- High-speed interface thanks to USB 3.1 Gen 1 interface

### Optics

- Special lenses with different focal lengths from all leading manufacturers
- Chromatically corrected, distortion-free, highly precise and with outstanding edge characteristics
- Aperture range adjustable from 4 up to 32

### Customizing is our standard

Our cameras are available in different versions and can also be customized to meet your exact requirements. Whether individual installation adaptations, mechanical or electrical modifications, ultra-lightweight construction or the use of different optics. As a developer and manufacturer, we react quickly to your requirements and work with you to develop new solutions.

For us, customizing is not just a service but a matter of course.

## Options

### Autofocus M-Series | 103010

### Software Upgrade OCR | LiveControl | 102859

Enables scans and digital photos to be converted into searchable and editable documents

### USB footswitch | 100432

Trigger for scanning/re-scanning

### ColorChecker Digital SG | 100293

For color calibration with 140 color patches

### ColorChecker Digital SG spectrally measured | 103099

Spectrally measured ColorChecker SG with 140 color patches including measured value table for optimum color calibration results

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## Technical Data

Sensor	70-megapixel BSI CMOS sensor with global shutter (color and grayscale)
Image circle	60 mm
Pixel	3.2 µm
Shutter	No shutter mechanism
Optics	Schneider special lens 60 mm of the Pyrite series: chromatically corrected, distortion-free, ultra-precise, compatible with optics from all leading manufacturers
Aperture	Continuously adjustable 4-32, precise shutter release and synchronization functions
Exposure time	Variable min. 1 microsecond
Interface	USB 3.1 Gen. 1
Color depth	48 bit color; 24 bit color, 16 bit gray, 8 bit gray; 1 bit b/w
File formats	TIFF, JPEG, JPEG 2000, PDF, PDF-A, multipage PDF and multipage TIFF
Illumination	Continuous LED cold light, suitable for flash and pre-flash photography
Software	API / SDK available Processing software (optionally available)
Connection values	12 V   110-240 V, 47-63 Hz
Sicherheitsstandard	CE / EMV / CCC / SASO

Maintenance possible via remote service  
Subject to technical changes

BL02

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