

# M70

Your Camera for cultural heritage



 **MICROBOX**  
Quality made in Germany

The new M70 is a budget-friendly high-resolution camera that combines unique image quality with high productivity. By using the latest generation image sensor with global shutter, the M70 offers an attractive combination of high frame rate and impressive dynamic range as well as color reproduction and geometry. The modular concept not only enables the realization of individual, tailor-made solutions; it also allows integration into existing systems and workflows.

### ■ High performance sensor

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

### ■ Global shutter

- Prevents rolling shutter effects and motion blurring
- No moving parts; no mechanical wear and tear
- Enables implementation in high-speed applications
- Outstanding sharpness when capturing moving objects
- Live video image (preview)
- Minimal exposure time
- Real-time image processing

### ■ Camera body

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

### ■ Optics

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

### ■ Customizing is our standard

We are aware that every customer has unique needs. That's why we offer you flexibly configurable solutions that integrate seamlessly into your existing workflows. Are you looking for special customizations, integrations or workflow optimizations?

Our cameras are available in different versions and can also be customized to your needs. 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, it's the very philosophy of our company.

### ■ Everthing under one roof

Our team of specialists combines expertise from all areas. We thus offer our customers an unbeatable overall concept from a single source: research & development, production & manufacturing, consulting & sales, hardware & software, as well as installation & service.

Quality made in Germany, direct from the manufacturer: As a family-run company, we are proud to make a contribution to digitalization and to support imaging applications of all kinds with our knowhow. We do this out of conviction and with passion. That's why we make no compromises—neither with our products nor with the quality they deliver.

# Camera Specifications

## Technical Data

Sensor	70 MP BSI CMOS Sensor with global shutter
Image circle	60 mm
Pixel	3,2 µm
Shutter	no mechanical shutter
Optics	Schneider-Kreuznach special lens 60 mm of the Pyrite series: chromatically corrected, distortion-free, highly precise, compatible with optics of all leading manufacturers
Aperture range	continuously adjustable 4-32, precise triggering 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, PNG, PDF, PDF-A, multipage PDF and multipage TIFF, PNG, RAW
Illumination	continuous LED cold light UV/IR free, suitable for flash and pre-flash photography
Software	API/SDK available Process software optionally available
Power supply	12 V   110-240 V , 47-63 Hz
Safety standard	CE   EMV

Subject to technical changes.



### Spotlight on our new HD cameras

Scan the QR code and find out more about the wide range of applications and the modular concept of the M150.



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Version BL01 - Stand 06.2024