

M150

Every detail to perfection
for industry & culture



 **MICROBOX**
Quality made in Germany

The new M150 is the first 150 megapixel camera to combine unique image quality with high productivity. By using the latest generation image sensor with global shutter, the M150 offers an attractive combination of high frame rate and impressive dynamic range. 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

- 152 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

The M150 delivers unsurpassed image quality on a global scale with outstanding resolution, an extended dynamic range and precise color reproduction and geometry. The global shutter of the 150 megapixel camera enables minimum exposure times of e.g. one microsecond, ensuring outstanding sharpness, especially when capturing moving objects.

- Prevents rolling shutter effects and motion blurring
- No moving parts; no mechanical wear and tear
- Enables synchronization in high-speed applications
- Live video image (preview)
- 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	152 megapixel BSI CMOS sensor with gloobal shutter (color and grayscale)
Image circle	60 mm
Pixel	3,2 µm
Shutter	No shutter mechanics
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 modifications.



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



MICROBOX GmbH

Hohe Straße 4-6
61231 Bad Nauheim
+49 (0) 6032 34 02 0
mail@book2net.net
www.book2net.net

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