Basler beat
High speed and high CMOS image quality combined in a proven design

The convincing argument for this advanced camera family starts with its superior image quality even at high image capture rates and high resolutions. The Basler beat series uses the high-speed and very sensitive CMOS sensor CMV12000 by ams. It features both a mono and color model with a full resolution of 12 megapixels with progressive scan and global shutter technology. This CMOS sensor yields far better image quality than the older CMOS sensors. Its output is easily comparable to the image quality created by CCD sensors.

Highlights

- Ideal fit for price-sensitive applications where high speed and high resolution are a must

- High bandwidth connection for maximum grabbing speed with Camera Link, and compatibility with all common frame grabbers

For more information, please visit
baslerweb.com/beat
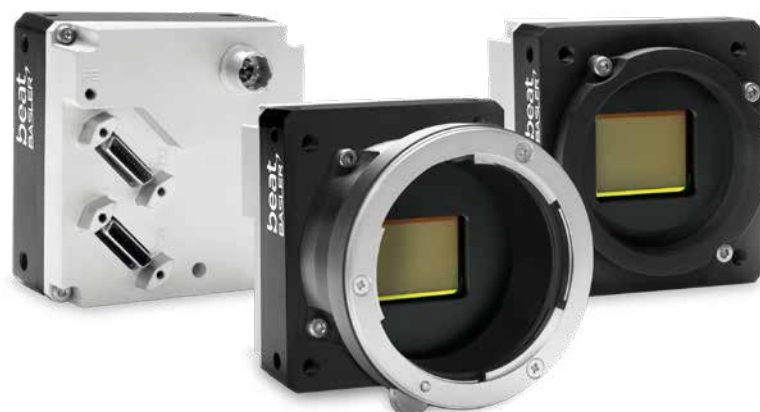
BASLER BEAT

Product Group Specifications

Interface	Camera Link
Housing Size [L × W × H]	40 mm × 56 mm × 62 mm
Housing Temperature during operation	0 °C to +60 °C
Typical Weight	210 g
Lens Mount	F-mount, M58 x 0.75, M42 x 0.75, M42 x 1
Power Supply	12-24 VDC
Digital I/O	Via camera control signals (max. 5)
Synchronization	Via hardware trigger, via software trigger or free-run
Exposure Control	Trigger width, timed or off
Conformity	CE, RoHS, GenICam, IP30, UL, FCC, Camera Link, KC, EAC
Driver	Basler pylon Camera Software Suite or 3rd party Camera Link Software
Operating System	Windows, Linux, macOS

CAMERA MODEL	SENSOR	RESOLUTION [H×V PIXELS]	RESOLUTION [MP]	SENSOR TYPE	SHUTTER	FRAME RATE [FPS]	PIXEL SIZE [µm²]	OPTICAL SIZE
Basler beat								
beA4000-62km	CMV12000	4096 × 3072	12.0	CMOS	Global	62	5.5 × 5.5	1.75″
beA4000-62kc	CMV12000	4088 × 3070	12.0	CMOS	Global	62	5.5 × 5.5	1.75″