

Machine Vision Camera

BBVK001

Part Number



- Compact and robust housing in 29 × 64.4 × 29 mm format
- Different lenses can be adapted thanks to standard thread
- Flexible mounting options from 4 sides
- Image chip with Global Shutter for dynamic applications

Machine Vision Cameras make it possible to record images in vision applications. The images are read out via a 1-gigabit Ethernet interface. The camera can be connected via a PoE port so that only one cable is required. The small and rugged housing and the C mount threaded connection can be easily and flexibly integrated. State-of-the-art CMOS sensor technology ensures high resolution and optimum image quality without noise even in difficult lighting conditions.

Technical Data

Optical Data

Resolution	1440 × 1080 Pixel
Resolution	1,6 MP
Pixel Size	3,45 × 3,45 µm
Sensor Type	CMOS
Sensor Designation	Sony IMX273
Image Chip	monochrome
Image chip size	1/2,9"
Frame rate (fullframe)	< 71,6 fps

Electrical Data

Supply Voltage	12...24 V DC
Current Consumption (U _b = 24 V)	< 130 mA
Temperature Range	-20...55 °C
Storage temperature	-30...60 °C
Atmospheric humidity	20...95 %
Number of GPIOs (general purpose I/Os)	2
Number of Flash Outputs	1
Flash Output	Optoisolator
Number of trigger inputs	1
Trigger Input	Optoisolator
Supported PoE Standard	IEEE802.3af

Mechanical Data

Lens thread	C-Mount
Housing Material	Aluminum, powder-coated
Optic Cover	Glass
Degree of Protection	IP67
Connection	M8 × 1; 8-pin
Type of Connection Ethernet	M12 × 1; 8-pin, X-cod.

Function

Global Shutter	yes
PoE	yes

Complementary Products

EHSS001 Switch
Illumination Technology
Lens
Machine Vision Controller MVC
Software
ZBVG protective tube

