

## Description

With the VisiCon digital cameras 4.2 and 5.0, you can benefit from the shortest measurement and adjustment times with high image quality. Our DigiCams, developed and produced in-house, are optimally adapted to industrial applications such as headlight adjustment.

The built-in digital CMOS sensors guarantee a high dynamic range with low noise. With the help of the integrated FPGA, some image processing tasks are already carried out in the camera, thus enabling real-time data transmission.

VisiCon digital cameras can be easily integrated and conveniently operated via the measurement computer. This means that parameters such as exposure time, gain etc. can be flexibly adjusted even without access to the installation site. We are also happy to offer our customers solutions for individual measurement tasks, such as intensity measurement.

We only use high-quality brand lenses and special filters as accessories, which are adapted to the respective requirements depending on the application.

Each camera can be addressed individually. This means that several cameras can be operated together without any problems.



VisiCon DigiCam 5.0 (B251562)

Compared to DigiCam 4.2, version 5.0 features additional hardware and an intelligent control system that can synchronize the frequency of pulsed LED headlights. This effectively reduces the frequently occurring “wobbling” of the camera image and enables stable measurement and adjustment.



VisiCon DigiCam 4.2 (B251557)

### Benefits for our customers

- Different versions and accessories
- Ideal for the adjustment of headlights and driver assistance systems
- Fast image processing
- DigiCam 5.0: Stable images due to PWM synchronization

## Order numbers

### DigiCam 4.2

	B/W	Color
Connector at front side	B251557	B251118
Connector at rear side	B251092	On request






### DigiCam 5.0

	B/W	Color
Connector at front side	B251562	On request
Connector at rear side	On request	On request

## Technical data

	Features, functions etc.
Dimensions (H x W x D)	DigiCam 4.2: 50 x 75 x 50 mm DigiCam 5.0: 68,5 x 75 x 50 mm
Operating voltage	12-48 V DC
Frame rate	60 fps (typischerweise 30 fps bei VGA-Auflösung)
Resolution (physical)	1240 x 1024 Pixel
Color or B/W	see order numbers
PWM synchronization	DigiCam 4.2: not available DigiCam 5.0: available
Signal/power supply	LVDS via RJ 45
Mount	C-Mount
Connection	Standard Ethernet cable (min. CAT5)

## Accessories

Picture	Name	Order number
	Lens focal length 25 mm (standard for large Light Collecting Boxes)	950003
	Lens focal length 16 mm (standard for small Light Collecting Boxes)	950100
	Other lenses	On request
	VisiLink GigE Converter	B251563
	V-Lambda-Filter (standard)	B251124
	Other filter (e. g. grey filter)	On request
	Ball joint mounting	961765
	Fork holder	Different versions, on request