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ACE 2 R IP67

A2A5320-7GCIP67
Basler IP67 camera 16.1MP IMX542 [109653]



- • IP65/67 protection (When used with appropriate lens tube and cables)
- • Resolution range: 2.3 MP up to 24.5 MP
- • Frame rate: up to 51 fps

PRODUCT DESCRIPTION

Basler's IP67 portfolio provides a robust, end-to-end machine vision setup designed for demanding environments with dust, dirt, and water exposure. The concept is a validated, compatible system built from camera, optics protection, illumination, and cabling—so you can integrate faster and reduce risk.

System components

- **ace 2 IP67 camera** - NOTE - For IP65/67 protection the camera must be used with the appropriate cables and lens housing (or IP67 lens)
- **Lenses** matched to sensor size/resolution, plus IP67 lens housing options for environmental protection
- **IP67 lighting** (e.g., ring and bar lights) for consistent illumination in harsh conditions
- **IP67 data and I/O cabling** with screwable connections (M12/M8 variants depending on configuration)

Key benefits

- **IP67-rated protection** to help keep imaging reliable in wet, dusty, or washdown-adjacent areas
- **Validated component compatibility** (camera + optics protection + lighting + cabling) to reduce integration time and troubleshooting
- **Configuration flexibility** through multiple camera, lens, housing, and lighting variants
- **Industrial connectivity** with secure, vibration-resistant screwable connectors
- **Long-term solution planning** with a supply-chain focus for multi-year availability
- **Specialist support** from needs analysis through commissioning

Typical applications

- Factory automation and inspection in dusty or wet areas
- Agriculture and outdoor machine vision
- Food and packaging (including areas requiring frequent cleaning)
- Intelligent traffic systems (ITS) and roadside installations

TECHNICAL DATA

Mono/color	Color
Shutter type	Global
Sensor model	IMX542

Sensor supplier	Sony
Sensor Type	CMOS
IP class	IP65, IP67
Power consumption	3.1 W
Approvals	CE, RoHS, EAC, FCC, GenICam, GigE Vision, KC, UKCA, UL

Pixel size min	2.74 µm
User interface	GigE
Supply voltage dc max	24 V DC
Supply voltage dc min	12 V DC
Sensor size max	1.1"
Resolution max	16.1 MP
Weight	72 g
API configuration	Basler pylon Software Suite
Camera model	Basler Ace 2
Colour	Yes
Digital inputs	1
Digital outputs	2
Length	55.5 mm
Width	31 mm
Height	31 mm
Lens Barrel	C-Mount
Operating temperature	-10 °C - 60 °C



