Basler ace acA1600-60gm Monochrome GigE Camera

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Basler ace GigE Cameras

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SPECIFICATIONS

General

Type:
Monochrome Camera

Model Number:
acA1600-60gm

Manufacturer:
Basler

Camera Series:
ace

Spectrum:
Monochrome

Physical & Mechanical Properties

Dimensions (mm):
42 x 29 x 29 (excludes connectors and lens mount)

Weight (g):
90

Housing:
Full

Sensor

Sensor Format:
1/1.8"

Resolution (Megapixels):
2.00

Frame Rate (fps):
60.00

Pixels (H x V):
1,600 x 1,200

Pixel Size, H x V (µm):
4.5 x 4.5

Sensing Area, H x V (mm):
7.2 x 5.4

Imaging Sensor:
e2v EV76C560

Type of Sensor:
Progressive Scan CMOS

Shutter Type:
Global and Rolling

Pixel Depth:
12 bit

Exposure Time:
Freely Programmable

Dynamic Range (dB):
49.8

Machine Vision Standard:
GigE Vision

Electrical

Power Consumption (W):
2.1 (12VDC External Power Supply)
2.7 (PoE)

Hardware & Interface Connectivity

Interface:
GigE (PoE)

Connector:
GigE, RJ45 with Screw Locks

Power Supply:
Power Supply Required and Sold Separately:
USA: **#68-466**
Europe: **#68-466**
Japan: **#68-466**
Korea: **#68-466**
China: **#68-466**

GPIOs:
1 opto-coupled input line, 1 opto-coupled output line, 1 general purpose I/O (GPIO) line

Synchronization:
Hardware Trigger (GPIO), Software Trigger, or Free-Run

Interface Port Orientation:
Back Panel

GPIO Connector Type:
6-pin Hirose (HR10)

Operating System:
Software Driver: Windows, Linux - 32 and 64 bit

Threading & Mounting

Mount:
C-Mount

Mounting Threads:
¼-20 with Tripod Mount Adapter #88-517

Environmental & Durability Factors

Operating Temperature (°C):
0 to +50

Storage Temperature (°C):
-20 to +80

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

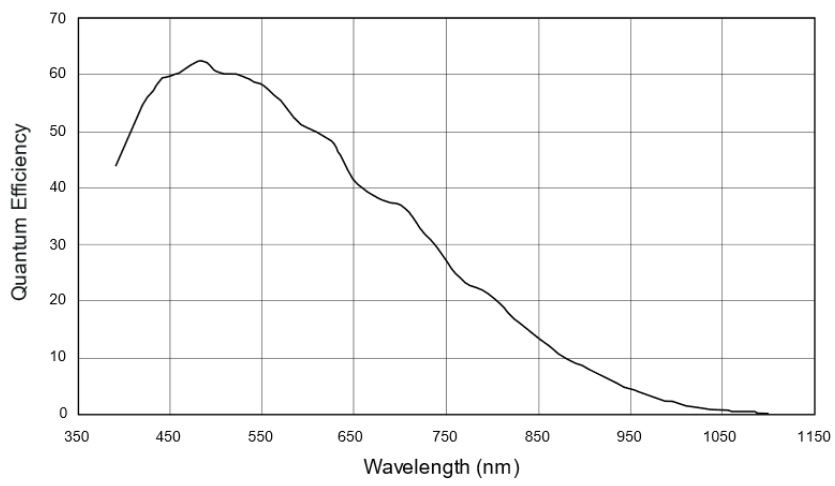
Reach 235:
Compliant

PRODUCT DETAILS

- Perfect Analog Replacement
- Ultra-Small Form Factor
- Power Over Ethernet (PoE)
- Includes Basler Pylon Driver

Basler ace GigE Cameras are economical Gigabit Ethernet cameras that provide an ideal upgrade opportunity for analog camera users. With a small form factor matching that of many analog cameras (29 x 29mm), the ace can be a drop-in replacement to an existing analog system or a great choice to start a new project. Basler ace GigE Cameras can use Power Over Ethernet (PoE) (2 GigE cables required). The cameras can have long cable lengths and are the optimal choice for use on a factory floor. All cameras include the industry-proven Basler Pylon SDK Software and Driver.

TECHNICAL INFORMATION



MT9P031 Sensor QE Curve