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Basler ace2 a2A2840-14gmPRO Monochrome GigE Pro Camera

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Basler ace2 GigE Cameras (Front)



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1

+

€1.265⁰⁰

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Product Downloads	
Monochrome	Spectrum:
General	
Monochrome Camera	Type:
a2A2840-14gmPRO	Model Number:

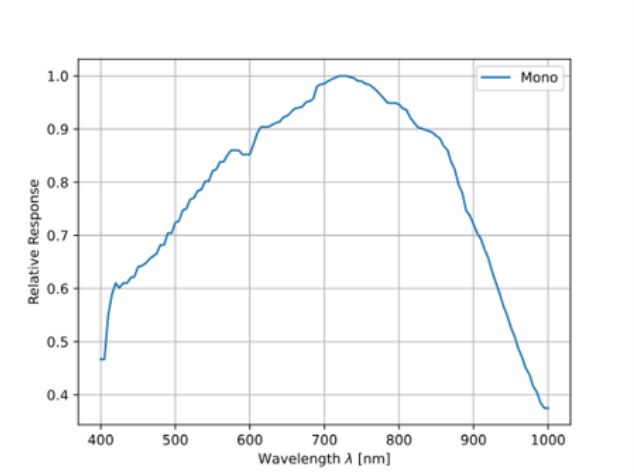
Basler	Manufacturer:
Ace2	Camera Series:
Physical & Mechanical Properties	
55.5 x 29 x 29 mm (without lens mount or connectors)	Dimensions (mm):
100	Weight (g):
Full	Housing:
Sensor	
2/3"	Sensor Format:
8.10	Resolution (Megapixels):
14.00	Frame Rate (fps):
2,840 x 2,840	Pixels (H x V):
2.74 x 2.74	Pixel Size, H x V (µm):
7.78 x 7.78	Sensing Area, H x V (mm):
Sony IMX546	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
8/10/12 Bit	Pixel Depth:
hardware trigger & freely programmable	Exposure Time:
GigE Vision 2.0, GenICam	Machine Vision Standard:
Electrical	
3.2 W	Power Consumption (W):
Hardware & Interface Connectivity	
GigE	Interface:
GigE, RJ45 with Screw Locks	Connector:
PoE or 12-24 VDC	Power Supply:
1 opto-coupled input line, 2 general purpose I/O (GPIO) lines	GPIOs:
Hardware Trigger (GPIO), Software Trigger, or Free Run	Synchronization:
Back Panel	Interface Port Orientation:
M8 6-pin	GPIO Connector Type:
Threading & Mounting	
C-Mount	Mount:
1/4-20 with Tripod Mount Adapter #16-641	Mounting Threads:
Environmental & Durability Factors	
-10 °C - 50 °C	Operating Temperature (°C):
Regulatory Compliance	
View	Certificate of Conformance:

Product Details

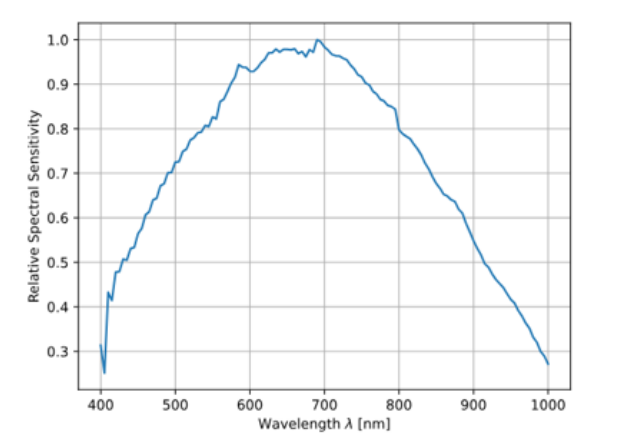
- SONY Pregius S Sensors Available with up to 24MP
- Proven Compact Housing (29 x 29mm)
- Powerful Computer Vision Feature Set with Optional Beyond Features
- [Basler ace GigE Cameras](#) Also Available

Basler ace2 GigE/5GigE Cameras are available in two versions that provide optimized hardware design, proven compact and robust housing, and state of the art CMOS sensor technology with excellent image quality from Sony's 2nd-Gen Pregius, 3rd-Gen STARVIS, or the latest 4th-Gen Pregius S sensors. These second-generation Ace cameras include all of the components of the first-generation Ace cameras along with integrated features such as a status LED, removable IR cut filter, and robust MB connector. The Basler ace2 GigE/5GigE Camera Basic version offers excellent price to performance ratio with powerful Computer Vision feature set, while the Pro version unlocks unique advanced Beyond features such as Pixel Beyond and Compression Beyond for maximum performance to meet with demanding application requirements. These cameras include the industry proven Basler Pylon SDK Software and Driver and conform to GenICam (GigE Vision 2.0) standards, making them a fast and cost-effective solution to software integration. Basler ace2 Cameras are available in both GigE, 5GigE and USB3.0 interfaces and are ideal for a wide range of applications such as factory automation and industrial robotics.

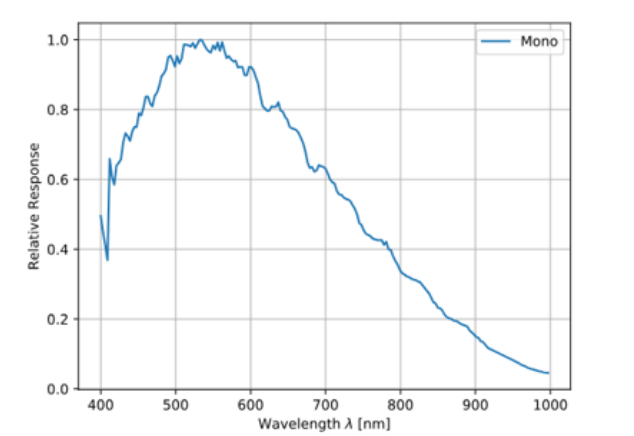
Technical Information



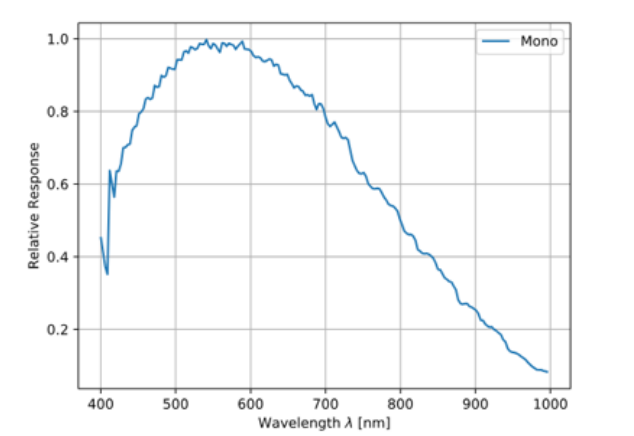
IMX676 Sensor QE Curve



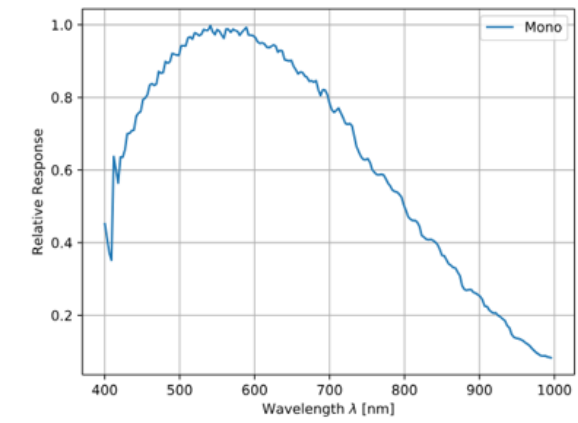
IMX900 Sensor QE Curve



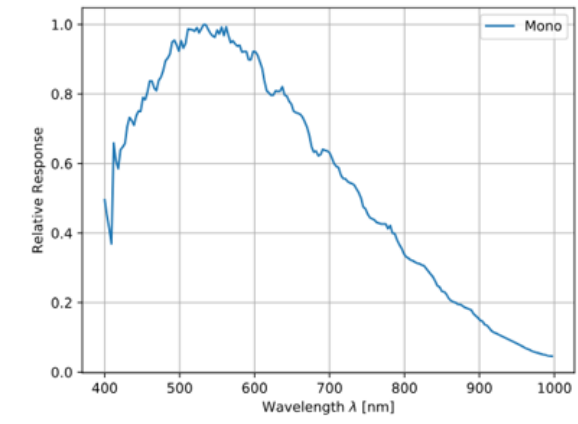
GMAX2505 Sensor QE Curve



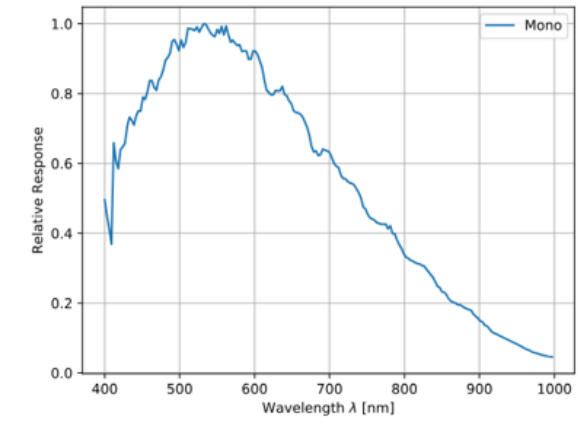
IMX546 Sensor QE Curve



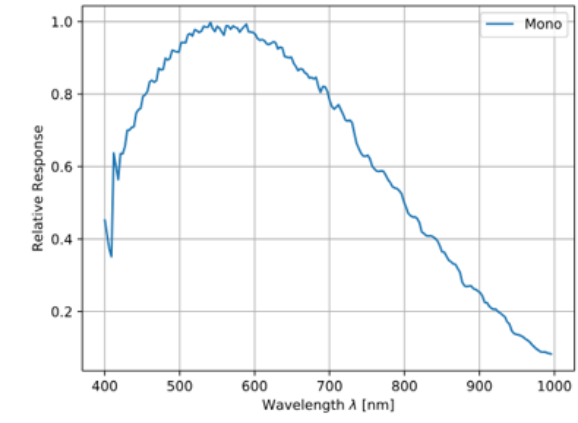
IMX545 Sensor QE Curve



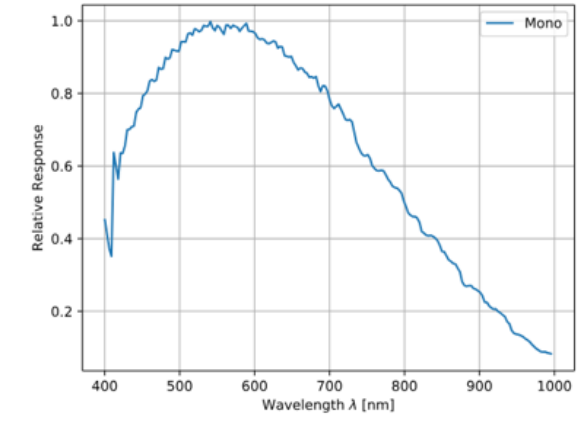
GMAX2509 Sensor QE Curve



GMAX2518 Sensor QE Curve



IMX547 Sensor QE Curve



E2525A Sensor QE Curve