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Basler ace2 a2A2840-48umUV Ultraviolet (UV) USB3 Camera

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- 1 + €6.720⁰⁰

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UV **Spectrum:**

General

UV Camera **Type:**

a2A2840-48umUV **Model Number:**

Basler **Manufacturer:**

ace2 **Camera Series:**

Physical & Mechanical Properties

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

<90 **Weight (g):**

Full **Housing:**

Sensor

Not Specified **Image Buffer:**

2/3" **Sensor Format:**

8.10 **Resolution (Megapixels):**

48.00 **Frame Rate (fps):**

2,856 x 2,848 **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 IMX487 **Imaging Sensor:**

Progressive Scan CMOS **Type of Sensor:**

Global **Shutter Type:**

8/10/12 Bit **Pixel Depth:**

Freely Programmable **Exposure Time:**

Not Specified **Dynamic Range (dB):**

USB3 Vision v1.0, GenICam **Machine Vision Standard:**

Electrical

3.6 **Power Consumption (W):**

Hardware & Interface Connectivity

USB 3.0 **Interface:**

USB 3.0, Micro-B **Connector:**

Power over USB or via GPIO with [#16-644](#) **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:**

6-pin M8 **GPIO Connector Type:**

Threading & Mounting

C-Mount **Mount:**

1/4-20 with Tripod Mount Adapter [#16-641](#) **Mounting Threads:**

Environmental & Durability Factors

-10 to 50 **Operating Temperature (°C):**

-20 to +80

Storage Temperature (°C):

Regulatory Compliance

[Compliant](#)

RoHS 2015:

[View](#)

Certificate of Conformance:

[Compliant](#)

Reach 235:

Product Details

- UV (200 – 400nm) Imaging Capabilities with 8.1MP, 2/3" Sensor Format
- Compact Housing (29 x 29mm)
- Framing rates up to 67fps
- Powerful Computer Vision Feature Set with Beyond Features

Basler ace2 Ultraviolet (UV) Cameras integrate the Sony IMX487 Pregius S UV Sensor for high sensitivity in the 200 – 400nm UV spectrum. Featuring a compact 29 x 29mm form factor with 8.1MP sensor resolution, global shutter, and a 2/3" sensor format, these cameras are easily integrated into a variety of inspection applications. Basler ace2 Ultraviolet (UV) cameras integrate advanced Beyond software features for more efficient bandwidth use and more flexible scalability of pixel sizes, maximizing camera performance for demanding application requirements. These cameras are available in either GigE, 5GigE, or USB3.0 interfaces for high data throughput and are ideal for inspection applications operating within the ultraviolet (UV) wavelength such as wafer inspection, material sorting, security and surveillance, and solar inspection.

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