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

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⊖ 1 ⊕ £5,376⁰⁰

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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)

Weight (g):
<90

Housing:
Full

Sensor

Image Buffer:
Not Specified

Sensor Format:
2/3"

Resolution (Megapixels):
8.10

Frame Rate (fps):
48.00

Pixels (H x V):
2,856 x 2,848

Pixel Size, H x V (µm):
2.74 x 2.74

Sensing Area, H x V (mm):
7.78 x 7.78

Imaging Sensor:
Sony IMX487

Type of Sensor:
Progressive Scan CMOS

Shutter Type:
Global

Pixel Depth:
8/10/12 Bit

Exposure Time:
Freely Programmable

Dynamic Range (dB):
Not Specified

Machine Vision Standard:
USB3 Vision v1.0, GenICam

Electrical

Power Consumption (W):
3.6

Hardware & Interface Connectivity

Interface:
USB 3.0

Connector:
USB 3.0, Micro-B

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

GPIOs:
1 opto-coupled input line, 2 general purpose I/O (GPIO) lines

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

Interface Port Orientation:
Back Panel

GPIO Connector Type:
6-pin M8

Threading & Mounting

Mount:
C-Mount

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

Environmental & Durability Factors

Operating Temperature (°C):
-10 to 50

Storage Temperature (°C):
-20 to +80

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)
- Framerrates 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.
