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

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Stock #72-579 **2 In Stock**

⊖ 1 ⊕ C\$10,906<sup>00</sup>

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### Product Downloads

UV **Spectrum:**

### General

UV Camera **Type:**

a2A2840-48umUV **Model Number:**

**Manufacturer:**

Basler

Camera Series:

ace2

## 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 MB

## 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.

## Calibration Services