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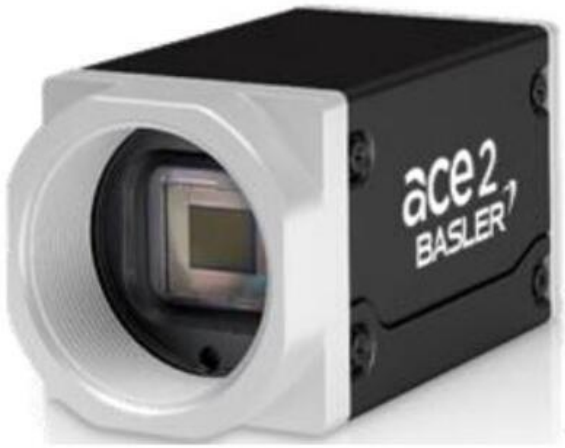
BASLER ACE 2 X – ULTRAVIOLET (UV)

Basler GigE camera with the Sony IMX487 UV CMOS sensor delivers 14 frames per second at 8.1 MP resolution.

A2A2840-48UMUV
109236, IMX487, 2/3“, USB 3.0, 48 FPS



- Wavelength Range 200-1000nm
- Supported by Pylon Suite software and open-source SDKs for easy image acquisition and fast application development
- USB 3.0, GigE, 5 GigE Interface
- Monochrome image acquisition

PRODUCT DESCRIPTION

The Basler Ace 2 X Ultraviolet (UV) camera series is engineered for high-precision imaging in the ultraviolet spectrum, capturing wavelengths from 200 to 400 nm.Equipped with the Sony IMX487 Pregius S CMOS sensor, these cameras deliver an 8.1 MP resolution (2856 x 2848 pixels) with a 2.74 µm pixel size and a global shutter for distortion-free imaging.Depending on the interface—GigE, USB 3.0, or 5GigE—the cameras achieve frame rates up to 70.6 fps, facilitating real-time inspection tasks.Their compact 29 x 29 mm housing and C-mount lens compatibility allow seamless integration into various industrial setups.Additionally, features like Basler's SLP (Sequencer Load Profile) enable direct control of lighting systems, enhancing synchronization and reducing system complexity.
In practical applications, the Ace 2 X UV cameras are invaluable for industries requiring detailed inspection beyond the visible spectrum.They excel in wafer inspection by revealing micro-defects on semiconductor surfaces, aid in material sorting by distinguishing plastics based on UV reflectivity, and enhance security by detecting features on banknotes and ID documents invisible under normal lighting.Furthermore, these cameras are instrumental in photovoltaic cell inspection, identifying surface anomalies that could affect performance.The combination of high-resolution imaging, fast data transfer, and specialised UV sensitivity makes the Basler Ace 2 X UV series a versatile tool for advanced industrial inspection and quality control.

TECHNICAL DATA

3612_Pixel size (µm)	2.74 x 2.74
Approvals	CE, EAC, FCC, GigE Vision, RoHS, UL
Digital inputs	1
FPGA	Yes
Frame rate max	48 fps
Height	29 mm
IP class	IP30
Length	55.5 mm
Lens Barrel	C-Mount
Mono/color	Mono
Operating temperature	0°C … 50°C
Pixel Beyond	Yes

Power consumption	3.6 W
Resolution max	2840 x 2840 px
Sensor model	IMX487
Sensor size	2/3"
Sensor supplier	Sony
Sensor Type	CMOS
Shutter type	Global
Wavelength	UV
Weight	85 g
Width	29 mm