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C-Mount Front for Blackfly S Board Level Cameras

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General

Model Number:
ACC-01-5010

Manufacturer:
FLIR

Note:
Includes 4 x M2x12mm Screws

Physical & Mechanical Properties

Construction:
Aluminium

Regulatory Compliance

Certificate of Conformance:
View

Product Details

- USB3 Vision and GenICam Compliant
- Ultra-Compact, 29 x 29 x 10mm, Board Level Cameras
- Supports the Trigger-to-Image Reliability (T2IR) Framework
- **Fully Housed Versions** Available

Teledyne Authorized Distributor

Teledyne FLIR IIS Blackfly S: Advanced Machine Vision Cameras with powerful features

Capture the images you need from advanced sensors in enclosed or board-level configurations

The **Blackfly® S** is a versatile and compact machine vision camera series that leverages the industry's most advanced area scan sensors in an ultra-compact form factor. It combines powerful features that easily produce the exact images required, accelerating application development. Combining both automatic and precise manual controls over image capture and on-camera pre-processing. With options ranging from high-speed performance, high-resolution images, polarization, or low-light sensitivity, the Blackfly® S series of cameras can deliver the required results.

With the selection of camera variations all sharing the same form factor, it makes it easy to develop once, deploy anywhere. On camera features include IEEE1588 clock synchronization and full compatibility with popular third-party software supporting either GigE Vision or USB3 Vision interfaces. The Blackfly® S is available in GigE, USB3, cased, and board-level versions.

Note: Board level cameras with exposed electronics are intended for system integration and may not be suitable for end users. USB3 cableand Lens Mounts sold separately. **FLIR's Spinnaker software development kit (SDK)** is available for free download. FPC cable and adapter are required for USB3 connectivity and sold separately.

Blackfly® S Board level [USB3 or GigE]

- Board level models enable OEMs to develop smaller, lighter, and lower cost solutions with embedded system connectivity and rich features. Ready for integration with proven compatibility with popular SBCs and SOMs.

Features

- Ultra-compact form factor (29mm x 29mm x 39mm)
- Leverage the latest CMOS sensors and new on-camera image processing features
- Harness increased binning flexibility, powerful auto-exposure controls and robust color transformation tools
- Improve cycle time using advanced camera controls and programmable logic
- Utilize sequencer, chunk data, event notification, counters, timers and logic blocks
- Choice of CMOS global shutter, polarization, and high-sensitivity BSI sensors
- Data interface options: GigE, USB3
- Color transformation tools for true-to-life color
- Advanced auto-algorithms or precise manual control over image capture and on-camera pre-processing
- On-camera features such as IEEE1588 clock synchronization, lossless compression, and deep learning inference
- Compatible with third-party software and hardware
- Support for a wide range of operating systems and host system architectures
- Rich sample code and descriptive API logging
- Simplified product iteration with consistent form factor across sensor sizes
- Camera control via FlyCapture SDK or 3rd-party USB3 Vision software

Applications

- Intelligent Transportation Systems
- Factory automation
- Bar code reading
- 3D scanning
- Life science instrumentation
- Biometrics kiosk solutions
- Ophthalmoscopy
- Automated optical inspection
- Food & Beverage industry

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