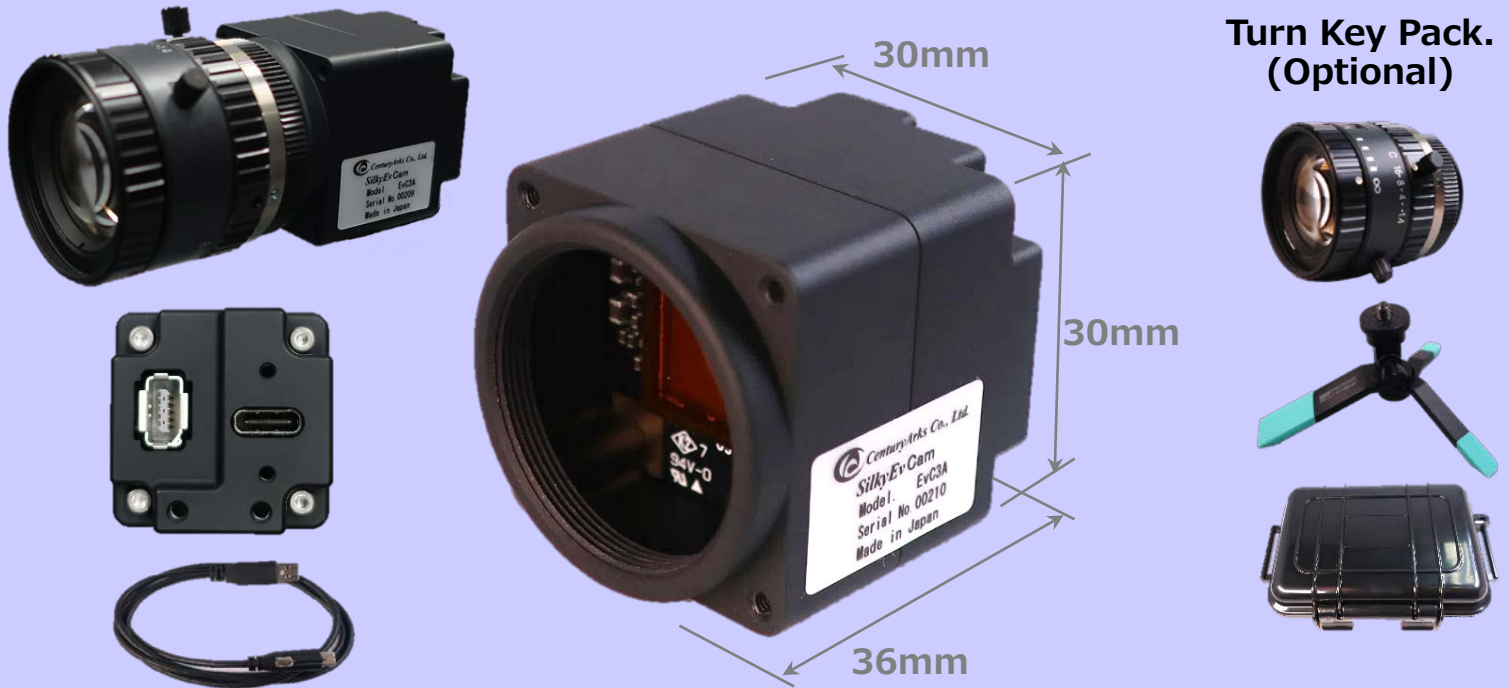


Event Based Vision Camera

CenturyArks Co., Ltd.

SilkyEvCam powered by PROPHESEE

Less Data and High Speed for Edge Computing



Gen3.1(VGA) PROPHESEE Event Based Vision Sensor

- Independently & Asynchronously pixels, Sensing only contrast changes
- Event-Based Vision technology performance vs. Frame-based camera
Generating 10x to 1000x less data
- < 10mW(sensor) Enabling new levels of power efficiency * < 2.5W camera total
- > 10,000fps A higher equivalent temporal resolution *sensor spec
- Wide Dynamic Range (up to 120dB)
- METAVISION™ Intelligence* : SDK of edge processing including AI.

* support by PROPHESEE

Small Cube Event Based Camera with USB Type-C™ interface

- Small size 30mm x 30mm x 36mm and light weight, easy to install anywhere.
- USB3.0 Type-C™ interface, I²C connector synchronous signal interface
- Turn Key Pack. Get data output after simple setup
- *SilkyEvCam, USB Type-C™ cable(1.2m), Lens, Mini tripod, Hardcase

SilkyEvCam Specifications

Event Based Vision sensor	Model	PPS3MVCD (PROPHESÉE)	
	Image size	Type 3/4 " (Diagonal 12mm)	
	Module effective pixels	VGA (640 (H) x 480 (V))	
	Pixel size	15um x 15um	
	Typical Latency	200us	
	Maximum readout throughput	50Mevents/s	
Output	Interface (event data & control)	USB 3.0 (USB Type-C™ connector)	
	Interface (Sync/Trigger)	IX Series Connector (IX80G-B-10P : HIROSE) (Plug: IX30G-B-10S-CV(7.0) IX31G-B-10S-CV(7.0))	
Camera	Power supply	USB Power (VBUS)	5.0 V
	Lens Mount type	C/CS Mount	
	Wide Dynamic Range	>120dB	
	Operating temperature	T operation	0 ~ + 50 °C
	Storage temperature	T storage	- 30 ~ + 80 °C
	Current consumption	500mA(max) , 200~300mA(Ave.)	
	Dimensions / Weight (w/o Lens)	30mm (W) x 30mm (H) x 36mm (D) / 40g	
	Accessories	USB3.0 Type-C™ Cable 1.2m (w/ rock screw)	
	Raw Formats	EVT3	
Standard Lens	Model	M0814-MP2 (computer)	
	Focal length	8mm	
	F value	F1.4 – F16C	
	Angle of view	70deg	
	Focus range	100mm to infinity	
	Size / Weight	Φ33.5mm x 28.2mm / 62.6g	
Others	Turn Key Pack	Standard Lens / Mini tripod / Hardcase	
	SDK support by PROPHESÉE	METAVISION™ Intelligence	

Solution example [High Speed Counting]

