

Event Based Vision Camera

EvC3A / EvC3A-TK1

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 Achieving a higher equivalent temporal resolution
- Wide Dynamic Range (up to 120dB)
- METAVISION™ Intelligence* : SDK of edge processing including AI.

* support by PROPHESEE

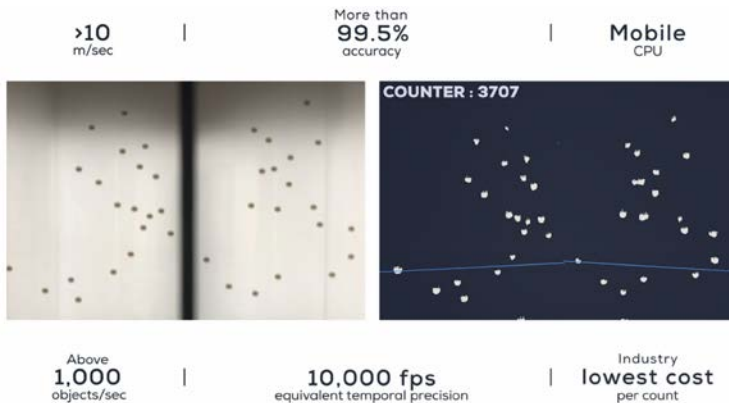
Small Cube Event Based Camera with USB Type-C™ interface

- Small size 30mm x 30mm x 36mm and light weight, easy to install anywhere.
- USB3.0 Type-C™ interface, IX 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]



- USB Type-C™ is a trademark of the USB Implementers Forum.
- Product names mentioned here are registered trademarks of their respective owners.
- Please note that certain information may have changed since the date of description.