

New Product

Event Based Vision Camera

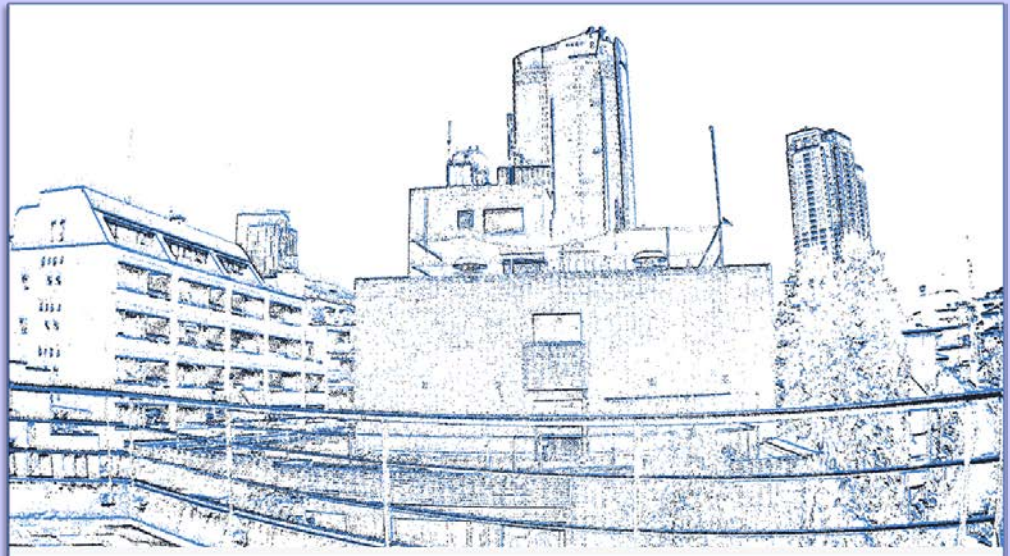
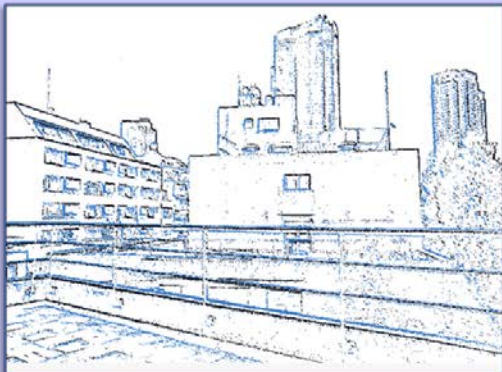
 CenturyArks Co., Ltd.

Event Based Vision Camera

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SilkyEvCam HD *powered by PROPHESEE*

High resolution HD(1280x720), 4.86 μ m pixel sensor by SONY



SilkyEvCam(on sale)
VGA(640x480) / 8mm Lens

SilkyEvCam HD
HD(1280x720) / 5mm Lens

SONY IMX636(ES) Event Based Vision sensor

- Higher resolution from SilkyEvCam VGA (640 x 480) to HD (1280 x 720)
- Reduction of pixel area, the image area has also been reduced from 12mm(D) to 7.14mm(D).
- METAVISION™ Intelligence* : Efficient system development with AI and edge processing SDK
* support by PROPHESEE

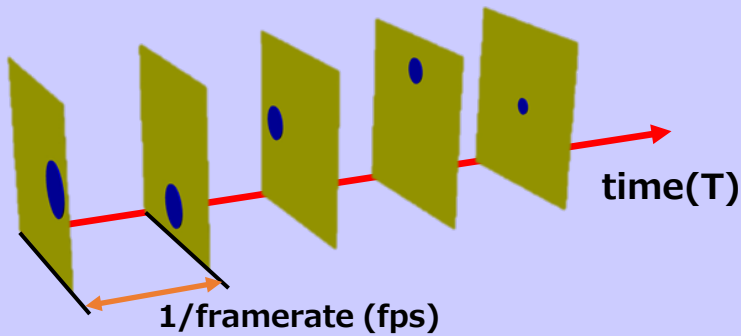
Same size as SilkyEvCam, USB Type-C™ Interface

- Small size(30mm x 30mm x 36mm) ※same as SilkyEvCam(on sale)
- Expansion to S-mount(M12) lens by image area reduction (diagonal 7.14 mm)

What is an Event Based Camera?

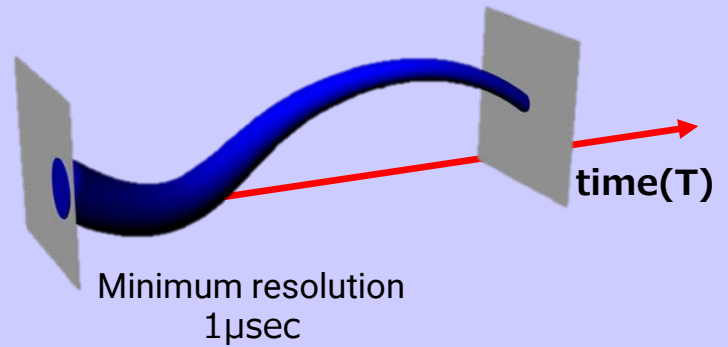
It is a camera that outputs, for each pixel independently, contrast change information (polarity, X-Y axis, time) at high speed. Only the change pixels are reported back to the camera by the event based vision sensor.

【Frame Based Camera】



Data output of one whole image for each 1/framerate

【Event Based Camera】



Each pixel independently outputs data as contrast change detection information

High speed resolution

Less Data

Small size
Low cost

Event Based
Vision Camera
SilkyEvCam

Software
Framework

METAVISION® INTELLIGENCE

【Utilization】

- Industry : Motion/Vibration detection, number counting, welding monitor, etc.
- Security : Intruder detection, low light area monitor, flow line monitor, etc.
- Robotics : Obstacle/anomaly detection, AI data, object measure, positioning, etc.
- Chemistry, research : fluid monitor, microscopic object detection, research and development, new technology, etc.