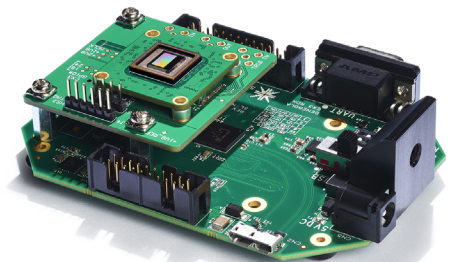
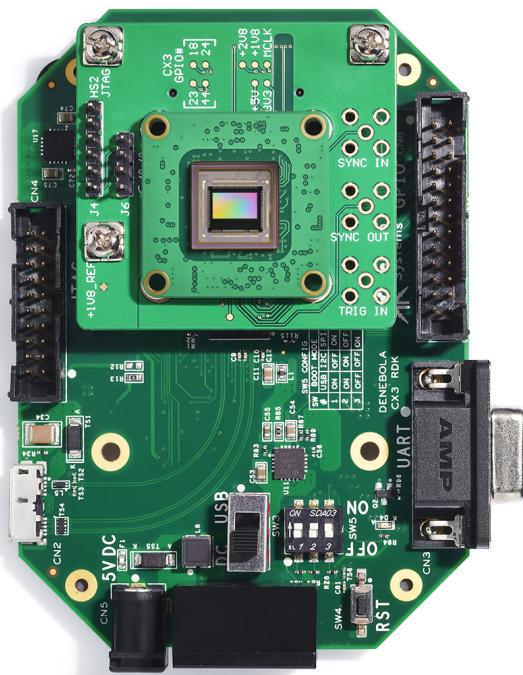


PROPHESSEE EVALUATION KIT 3 - HD IMX636

PROPHESSEE'S EVK IS A FLEXIBLE USB VISION SYSTEM THAT
ALLOWS FOR EXPERIMENTING WITH THE POWER OF HIGH-SPEED
AND ROBUST EVENT-BASED VISION.



EVALUATION KIT 3 - HD IMX636



HD Event-Based Vision system
USB-powered
Up to 1.6Gbps

HIGHLIGHTS

- Integrates [IMX636 \(HD\)](#), stacked Event-based Vision Sensor released by Sony Semiconductor Solutions (“Sony”) and realized in collaboration between Sony and PROPHESEE
- Contrast Detection (CD) events
- USB 3.0 Micro-B
- Compatible with Prophesee Metavision Intelligence Suite 2.2 onward
- C/CS optics with lens holder

CHARACTERISTICS HD

Resolution (px)		1280 x 720	Case		PCBs only	MECHANIC	
Latency (µs)		220	USB		3.0 Micro-B	EVK dimensions	
Dynamic Range (dB)		>86*	Trigger In		SMA	Weight	
Nominal contrast threshold (%)		25	Sync In		SMA	OPTIC	
Pixel size (µm)		4.86 x 4.86	Sync/Trig Out		SMA	D-FOV	
Camera Max. Bandwidth (Gbps)		1.6	Camera power (w)		4.5	Ref.	
			DC in supply		5V 1A 2.1mm jack	ADD. INFO	
						Power	
						Via USB	

*5 lux is the minimum light condition that guarantees imaging characteristics.

DR >120 dB can be reached based on low light cutoff measurement being: 0.08 lux (imaging characteristics not guaranteed).