

Bringing AI to the Edge

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Emza and Himax have developed an always-on, ultra-low-power, clever visual sensor solution, which integrates unique ML trainable algorithms with a specialized CMOS sensor and AI SOC processor.

The core of the visual sensing technology can be used in multiple applications.

For home security, upper body classifiers allow for innovative human presence sensing.

For laptops, human presence detection enables the next generation of machines to take a great leap forward in user experience. Using ultra-low-power face detection algorithms, a laptop is now able to better understand its environment and users. New capabilities such as *Wake on Approach*, *Touchless Login* and *Lock on Leave* are becoming a reality with milliwatt-scale ML.

With its tiny WiseEye computer vision and inference engine processor, Emza intends to demonstrate these features at the TinyML 2020 Summit.