



AMOS is an automatic system for the identification of COVID-19 symptoms. It uses a thermal camera for the detection of fever, a video camera and an acoustic sensor composed by an array of 16 microphones for the detection of cough and sneeze.

Sophisticated Artificial Intelligence algorithms have been trained to recognize these symptoms and identify people that may be infected by COVID 19. The system can be used in public spaces such as hospitals, train stations, airports as well as in private companies to monitor employees.

Configurability: AMOS+ is highly configurable. The system can be configured to recognize single events as well as correlated events thanks to optimized Artificial Intelligence algorithms

Integration: The AMOS architecture is highly scalable and can be easily integrated with other thermal cameras and custom monitoring systems.



Privacy: AMOS+ is based on an «edge-computing» paradigm. Image and audio are handled locally, thus preserving privacy.

Technical specifications

- 16 MEMS (microelectro-mechanical systems) microphones (Sensitivity -29 dBFS @ 1kHz, 94 dB SPL, Acoustic Overload Point 122 dB SPL @ 1kHz)
- 8 Megapixel camera
- 12 Vdc external power supply
- 1 Gigabit Ethernet LAN port and a Wi-Fi module (802.11ac)
- Size is 255x168x91 mm (~1300 g)

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