



INXPECT SECURITY PRODUCTS

MSK-101 POE-MM

Intelligent motion sensors



The **MSK-101-POE-MM** is an advanced motion sensor and tracker for high-security intrusion detection applications.

Equipped with Inxpect's proprietary motion processing engine, the MSK-101 provides superior pet immunity, excellent robustness to temperature changes, adverse weather conditions, dust, smoke and debris.

The PoE interface, coupled with open network protocols and state of the art, high security encryption mechanisms, make it easy to integrate it in any PSIM or video management system.

The MSK-101-POE-MM is proudly engineered, designed and made in Italy by Inxpect.



ADVANTAGES OF INXPECT RADAR-BASED TECHNOLOGY

Inxpect MSK series smart motion detectors are based on FMCW radar technology, a proven technique that guarantees best in class performance at detecting and tracking motion.

Thanks to Inxpect's proprietary system design, the MSK-101-POE-MM goes far beyond what conventional "radars" can do, and delivers unmatched performance at detecting intruders while minimizing false positives due to small animals or varying environmental conditions. Unlike traditional motion detectors based on infra-red or microwaves, thanks to its advanced architecture, MSK-series products can compute in real time the distance of the moving target, and estimate its size. Inxpect's signal processing algorithms allow the MSK-101-POE to filter out motion generated by pets, birds and pests, resulting in a dramatic reduction of false alarms. With the always-on yet highly secure PoE interface, the MSK-101-POE-MM can be integrated into any PSIM or video management system, allowing both real time monitoring and (re)configuration of its working parameters.



DISCOVER THE POWER OF ETHERNET

The PoE interface on the MSK-101-POE-MM opens up new possibilities to take advantage of Inxpect's proprietary motion algorithms.

With open web, REST and UDP interfaces, integration into any legacy and future systems is easy and effortless.

SECURITY, FLEXIBILITY AND EASE OF INSTALLATION IN ONE SMALL PACKAGE



**INXPECT:
SECURE
BY DESIGN**

The MSK-101-POE-MM is the first connected smart radar for high security applications to embed a FIPS-compliant cryptographic co-processor with secure storage for asymmetric keys.

Thanks to the advanced hardware architecture coupled with Inxpect's industry-leading security protocols, the MSK-101-POE-MM offers the most secure yet flexible IP motion detector on the market.

Inxpect's motion processing engines give installers full flexibility with setting alarm and pre-alarm ranges of up to 20m/66ft with an accuracy of 30cm/1ft. The PoE interface allows for 24/7 configuration of all working parameters, including sensitivity, semi-static management and pet-tolerance. With open web, REST and UDP protocols, deployment, integration and management becomes just a matter of connecting to a network.

SUMMARY OF FEATURES

Model	MSK-101-POE-MM
Usage	Indoor or outdoor motion sensor
Detection method	Inxpect motion processing engine based on FMCW radar at 24GHz
FOV	90deg Horiz / 30deg Vert
Maximum range (detection of persons)	20m 66ft, configurable in 30cm/1ft steps
Mounting height	1 to 3m 3 to 11ft
Detection speed	> 0.05 m/sec 2 in/sec
LED alarm indicator	Led on when in alarm (switchable to off)
Electrical interface	802.3af (PoE) for power and data, standard RJ45 socket
Warm up period	Under 1 sec
API	Proprietary UDP, open REST and HTTPS APIs with end-to-end encryption and secure crypto co-processor
Weight	350g 12.35oz
Operating temperature	-30/+60 °C -22/+140 °F
Case material	Technical polymer
Certifications	CE, Contains FCC ID: UXS-SMR-3X4, compatible with EN 50131-2-3 Grade 3, Class IV
Environmental rating	IP66-IP67



Thanks to its ingenious design, the MSK-101-POE-MM can be installed on walls or on ceilings, without the need of additional accessories. Its back plate doubles as a multi-standard adapter for the most popular kinds of electrical wall boxes, for US, UK, German, French and Italian standards. Mounting an MSK-101-POE-MM will just require a few minutes, in any installation settings.

