

## MOBOTIX introduces thermal sensor modules for S15D with dual flexmount video cable technology

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MOBOTIX recently introduced the new thermal sensor modules for the S15D, being the first thermal devices to use MOBOTIX' revolutionary dual flexmount video cable technology. This is available with all S15D upgraded to software version MX-V4.2.1.43.

The flexible video cabling, weatherproof design and tiny footprint allows the two S15D thermal sensor modules to be installed into any location up to two meters away from a single S15D core unit. The advantage of using thermal sensor modules is that they can visualise heat radiating from vehicles and persons, for the purpose of accurate movement detection up to 400 meters away from the camera, even under the most challenging lighting and environmental conditions.

Another world first innovation, available in the MOBOTIX M15D and S15D, is the ability to combine both thermal and optical sensor modules in the one camera. While the thermal sensor provides movement detection, the optical sensor provides crisp clear object identification. This enables the M15D and S15D to deliver accurate detection of motion in all lighting conditions and visual verification of who or what triggered the motion event. The MOBOTIX M15D and S15D dual lens cameras come as standard with MxActivitySensor, a state of the art intelligent motion detection software. When enabled in the thermal camera, MxActivitySensor registers movement without artificial lighting in pitch black conditions and during the day time, with stunning accuracy

*“MOBOTIX has re-engineered conventional thermal camera technology so that you can do more in a wider range of applications,”* said Dr. Ralf Hinkel, MOBOTIX founder, *“As with all of our products, we are committed to quality and this is why we can guarantee an average MTBF of 9 years on all of our thermal sensors.”*

### **High quality construction**

The new S15D thermal sensor modules are encased in a special housing made of aluminium and

stainless steel, allowing the module to be securely fastened to surfaces without additional mounts. As with all MOBOTIX products, the thermal devices are made in Germany. The thermal sensor modules are built for continuous operation in extreme conditions, with an impressive \*MTBF of 80,000 hours.

MOBOTIX thermal sensor modules have a sensor value of 50 mK, which places them in the premium range of thermal cameras currently available for commercial use. The devices are all weatherproof – M15D (IP66), S15D (IP65) and S15D thermal sensors (IP65).

### **Lens options – L43, L65, L135**

The MOBOTIX S15D thermal sensor modules are sold separately and available in three different focal lengths:

- ┌ MX-SM-Thermal-L43 with a horizontal image angle of 45°
- ┌ MX-SM-Thermal-L65 with a horizontal image angle of 25°
- ┌ MX-SM-Thermal-L135 with a horizontal image angle of 17°

The MOBOTIX M15D thermal sensors are factory fitted in the following camera models and also available in three different focal lengths:

- ┌ MX-M15D-Thermal-L43 with a horizontal image angle of 45°
- ┌ MX- M15D -Thermal-L65 with a horizontal image angle of 25°
- ┌ MX- M15D -Thermal-L135 with a horizontal image angle of 17°

The S15D thermal sensor modules cannot be fitted to the M15D.

## **Energy efficient**

MOBOTIX, famous for producing low power IP video devices, has brought unprecedented energy efficiency to its thermal camera range. For example the S15D, when fitted with two thermal sensor modules uses an incredibly low 7 watts of power and can be easily powered via a standard (IEEE 802.3af) Power over Ethernet power supply. This is outstanding energy efficiency. By comparison other competing brands of thermal cameras are 30 times less energy efficient than MOBOTIX!

## **About Thermal Imaging – Making the invisible visible**

Thermal imaging sensors can detect and visualise thermal energy, emitted from an object. Thermal imaging is a powerful technology that can be used effectively for perimeter surveillance and movement detection which can visualise objects in pitch black conditions, through fog or smoke.

MOBOTIX thermographic cameras can detect thermal radiation of objects in a temperature range from -40 °C to +550 °C/-40 °F to +1022 °F, which is invisible to the naked eye.