



MTBF for AXIS M5525-E

The calculated MTBF for the AXIS M5525-E is > 100,000h.

The MTBF (Mean Time Between Failures) for this product is equal to the MTTFF (Mean Time To First Failure) which is a theoretical estimate, calculated according to the formula below. The figure is valid at an operating temperature of +25°C:

$$\text{MTBF} = 1 / (\sum n_i \times \text{FR}_i)$$

where n_i = Total number of components of type 'i'
 FR_i = Failure rate (number of failures per hour) specified for component 'i'.

Lund, 2024-01-08

A handwritten signature in blue ink, appearing to read "Tobias Hedlund".

Tobias Hedlund
Axis Communications AB

Lifetime of specific components for AXIS M5525-E

The battery included is guaranteed to last for 5 years. In normal operation, when the product is in use (i.e. connected to power), the battery life time is more than 10 years.

Mechanics: Pan: 300 000 cycles
Tilt: 300 000 cycles
SD card holder: 5 000 cycles
Fan: 70 000 hrs @ 40degC

Optics package: Zoom motor: 1 000 000 cycles
Focus motor: 3 000 000 cycles
Iris motor: 500 000 cycles
IR cut filter: 50 000 cycles

Lund, 2024-01-08



Tobias Hedlund
Axis Communications AB