



MTBF for AXIS P3277-LVE Mic

The calculated MTBF for the AXIS P3277-LVE Mic is > 150,000h.

The MTBF (Mean Time Between Failures) for this product is equal to the MTTF (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'.

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Lifetime of specific components for AXIS P3277-LVE Mic

Timekeeping Battery: Expected to last at least 5 years. When the product is in use (i.e. connected to power) expected lifetime is more than 10 years.

Mechanics: μSD card holder: >5000 insertion/removal cycles
 Coaxial connector: 30 cycles
 Tactile switch: >100 000 cycles
 RJ45: > 750 cycles

Optics package: Zoom motor: 1 000 000 cycles
 Focus motor: 2 000 000 cycles
 Iris motor: 500 000 cycles
 IR cut filter: 200 000 cycles

IR illumination: 50 000 hrs

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