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## MTBF for AXIS P3827-PVE

The calculated MTBF for the AXIS P3827-PVE 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'  
 $\text{FR}_i$  = Failure rate (number of failures per hour) specified for component 'i'.

Lund, 2023-03-22

A handwritten signature in blue ink, appearing to read "Roger Nilsson".

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Roger Nilsson  
Axis Communications AB

## Lifetime of specific components for AXIS P3827-PVE

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:           SD card holder: 5000 insertion/removal cycles  
                          Control button: 1000,000 cycles  
                          Audio connector: 5000 mating cycles  
                          I/O connector 10 mating cycles  
                          RJ-45 connector: 750 mating cycles

Optics package:     IR cut filter: 20,000 cycles

Lund, 2023-03-22



Roger Nilsson  
Axis Communications AB