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## MTBF for AXIS I8307-VE

The calculated MTBF for the AXIS I8307-VE is > 100,000h.

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, 2025-12-09

A handwritten signature in blue ink that reads "Mats Larsson".

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Mats Larsson  
Axis Communications AB

# Lifetime of specific components for AXIS I8307-VE

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 I/O connector: >200 mating cycles Network connector: >500 mating cycles
Display:	The display brightness will decrease to 50% after 40,000 operating hours at maximum brightness.

Lund, 2025-12-09



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Mats Larsson  
Axis Communications AB