



MTBF for AXIS Q6300-E

The calculated MTBF for the AXIS Q6300-E is > 368,000h.

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'.

Lund, [17/3/2025]

A handwritten signature in black ink, appearing to read "Yasmin".

Yasmin Sheikh Ali
 Axis Communications AB

Lifetime of specific components for AXIS Q6300-E

Mechanics:	Focus: $\geq 200,000$ cycles
	Day/night filter: $\geq 100,000$ cycles
	SD Card holder: 12000 cycles
	Fan: 175 000 hrs
	RJ45 Connector: ≥ 750 cycles
	USB Connector: 1500 cycles

Lund, [17/3/2025]



Yasmin Sheikh Ali
Axis Communications AB