

WHITEPAPER

DATA AND STANDARDS

MTBF

MTBF TABLES FOR VARIOUS DEVICES OR SERIES

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1.1 ABSTRACT

The **MTBF** (Mean Time Between Failures) states the **expected operation time between two succeeding failures** of a device type in hours (definition following IEC 60050 (191)).

This document contains an abstract of the data and standards taken into account for the calculation of the MTBF. The MTBF for the various devices or series is shown in tables.

1.2 CALCULATION

The MTBF figures in the tables were determined on the basis of **service life tests, field experience** and **field failure rates**.

The calculations are based on operation at an **ambient temperature of 25° C (77° F)**.

1.3 RECORDER AND SERVER

Device	Limitation	Hours
DMS 2400 II	Without hard disk drives	458 000
IPS 2400 II	Without hard disk drives	458 000
IPS 10000	Without hard disk drives	458 000
VideoNetBox III	Without hard disk drives	810 000
DIS-4/M SRS	Without hard disk drives	over 10 ⁶

1.4 BOX- AND IR-CAMERAS

Device	Limitation	Hours
DF5120HD-DN/IR	Without lenses	over 10 ⁶
DF5140HD-DN/IR	Without lenses	over 10 ⁶
DF5200HD-IR-ANPR		80 000
DF5250HD-DN/IR	Without lenses	over 10 ⁶
DF5450HD-DN/IR	Without lenses	over 10 ⁶

1.5 DOME-CAMERAS

Device	Limitation	Hours
DDF5250HDV-DN-IM	Without lenses	over 10 ⁶
DDF5250HDV-DN-SM	Without lenses	over 10 ⁶
DDF5450HDV-DN-IM	Without lenses	over 10 ⁶
DDF5450HDV-DN-SM	Without lenses	over 10 ⁶
DDF5140HDV-DN-IM	Without lenses	over 10 ⁶
DDF5140HDV-DN-SM	Without lenses	over 10 ⁶
DDF5120HDV-DN-IM	Without lenses	over 10 ⁶
DDF5120HDV-DN-SM	Without lenses	over 10 ⁶
DDF5140HD-DN Indoor	Without lenses	over 10 ⁶
DDF5120HD-DN Indoor	Without lenses	over 10 ⁶

1.6 MODULE-CAMERAS

Device	Limitation	Hours
SDF5450HD-DN		over 10 ⁶

1.7 PTZ-CAMERAS

Device	Limitation	Hours
DDZ4220HD-SM	Without moving parts	45 000
DDZ4220HD-IM	Without moving parts	42 500
DDZ4220HD-WM	Without moving parts	40 000
DDZ4230HD-SM	Without moving parts	45 000
DDZ4230HD-IM	Without moving parts	42 500
DDZ4230HD-WM	Without moving parts	40 000
DDZ5436HD-DN/IR	Without moving parts	62 600
DDZ5236HD-DN/IR	Without moving parts	62 600
DDZ5220HD Indoor IM	Without moving parts	> 100 000
DDZ5232HD Indoor IM	Without moving parts	> 100 000
DDZ5220HD Indoor SM	Without moving parts	> 100 000
DDZ5232HD Indoor SM	Without moving parts	> 100 000
DDZ5220HD Outdoor	Without moving parts	> 100 000
DDZ5232HD Outdoor	Without moving parts	> 100 000

1.8 PANOMERA®

Device	Limitation	Hours
Panomera® W8 Series	Without lenses	396 000
Panomera® S8 Series	Without lenses	396 000
Panomera® W4 Series	Without lenses	708 000
Panomera® S4 Series	Without lenses	708 000

1.9 MISCELLANEOUS

Device	Limitation	Hours
Storage JBOD 12 II	Without hard disk drives	108 800
Storage JBOD 24 II	Without hard disk drives	108 800
Storage JBOD 44 II	Without hard disk drives	108 800
Workstation 3 Rack-Mount	Without hard disk drives	102 000
Workstation 3 Tower	Without hard disk drives	96 500
Server Rack-Mount 1RU	Without hard disk drives	80 000
Server 2 Rack-Mount 1 RU	Without hard disk drives	102 000
SMAVIA Enterprise Storage Server III	Without hard disk drives	108 000
SMAVIA Enterprise Storage Server VI	Without hard disk drives	108 000
Server Rack-Mount 2 RU III	Without hard disk drives	108 000

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