

# Imperx Reliability Policy

Imperx, Inc. complies with the reliability standards of:

**MIL-STD-785B**

**MIL-STD-756B**

**MIL-STD-810G**

## Description

### 1. MIL-STD-810G:

IMPERX cameras are designed for ruggedness considering the environmental influences of temperature, shock, and vibration stress, throughout all phases of the service life, as per the system performance requirements outlined in MIL-STD-810G.

### 2. MIL-STD-785B and MIL-STD-756B:

#### **RELIABILITY PREDICTION REPORT FOR THE BOBCAT CAMERA LINK CAMERA SERIES**

Prepared for  
Imperx, Inc.  
6421 Congress Ave. Suite 204  
Boca Raton, FL 33487

Prepared by  
Probabilistic Software, Inc. (PSI)  
PSI Building Suite 101  
4536 Indianola Way  
La Canada Flintridge, CA 91011

#### *Summary*

This document presents the Imperx, Inc. Reliability Prediction Report performed on the Bobcat Camera Link camera series. It was analyzed for Mean Time Between Failure (MTBF) in accordance with Task 203 of MIL-STD-785B; paragraph 2.4 of Task 100 of MIL-STD-756B; and the Telcordia Method I, "Reliability Prediction Procedure for Electronic Equipment", Telcordia Technologies Special Report, SR-332, Issue 2.

The Bobcat camera series was found to have a Mean Time Between Failure (MTBF) of 663,728.56 hours of operation. This statement is fully supported by the reliability mathematical model presented in Section 3.0, the Table 1 Failure Rate Data Summary and the detailed reliability parts count failure rate data tables presented in the Appendix A of this report.

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## RELIABILITY PREDICTION REPORT FOR THE AVI CAMERA SERIES

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### *Summary*

This document presents the Imperx, Inc. Reliability Prediction Report performed on the AVI Camera Series. It was analyzed for Mean Time Between Failure (MTBF) in accordance with Task 203 of MIL-STD-785B; paragraph 2.4 of Task 100 of MIL-STD-756B; and the Telcordia Method I, "Reliability Prediction Procedure for Electronic Equipment", Telcordia Technologies Special Report, SR-332, Issue 2.

The AVI-I1922C/AVI-O1922C Camera was found to have a Mean Time Between Failure (MTBF) of 175,991.89 hours of operation. This statement is fully supported by the reliability mathematical model presented in Section 3.0, the Table 1 Failure Rate Data Summary and the detailed reliability parts count failure rate data tables presented in the Appendix A of this report.

## RELIABILITY PREDICTION REPORT FOR THE CHEETAH SERIES CAMERA

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### *Summary*

This document presents the Imperx, Inc. Reliability Prediction Report performed on the Cheetah Series Camera. It was analyzed for Mean Time Between Failure (MTBF) in accordance with Task 203 of MIL-STD-785B; paragraph 2.4 of Task 100 of MIL-STD-756B; and the Telcordia Method I, "Reliability Prediction Procedure for Electronic Equipment", Telcordia Technologies Special Report, SR-332, Issue 2.

The Cheetah Series Camera was found to have a Mean Time Between Failure (MTBF) of 323,062.11 hours of operation. This statement is fully supported by the reliability mathematical model presented in Section 3.0, the Table 1 Failure Rate Data Summary and the detailed reliability parts count failure rate data tables presented in the Appendix A of this report.

## Related Links:

- <https://assist.dla.mil/online/start/>
- <http://quicksearch.dla.mil/qsSearch.aspx>

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Imperx is a proud US manufacturer.

Visit [www.imperx.com](http://www.imperx.com) for more information.