

Reliability Test of Mars Series Industrial Cameras

Quality Flows from our Our diligence and untiring hard work.
Our Reliability Testing continually challenges the highest industrial standards.

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Based on these testings, We are the one of only a very few companies in the industry that provides a 3-year quality guarantee for our products.



ALT Test

Test Result: **OK**

Category: High And Low Temperature ALT

Products: Mars Series Industrial Cameras

Lowest Temperature: -40°C

Highest Temperature: 80°C

Temperature Curve: 120°C/400s

Duration: 22days

Simulation argument:

6 years+ aging process



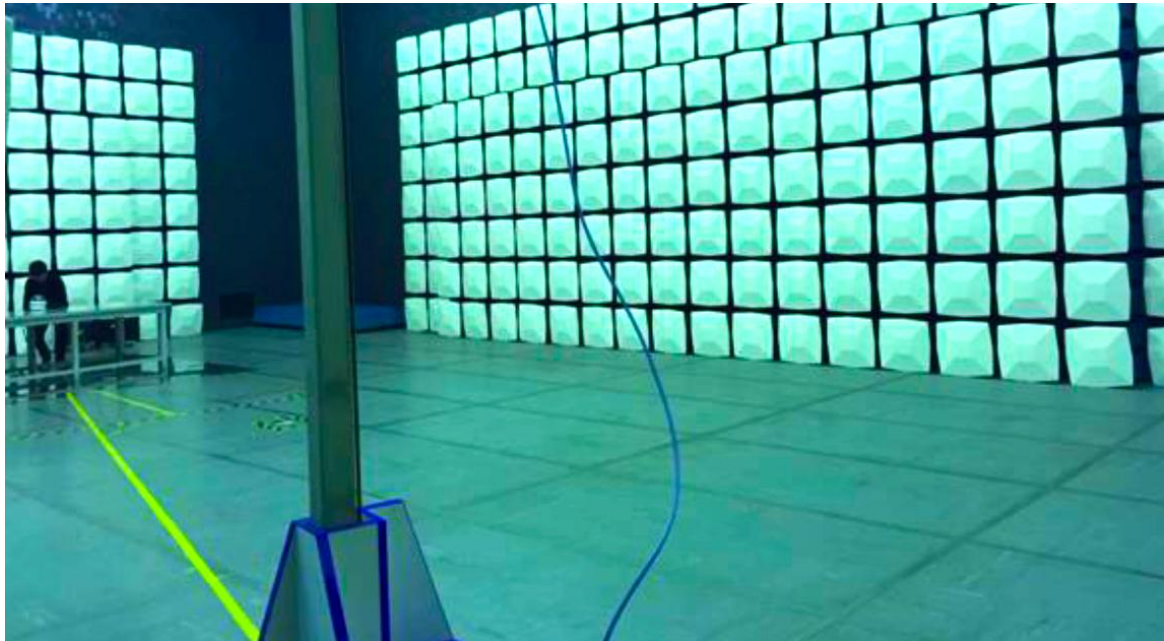
EMC Test

Test Result: **OK**

Category: EMC Test

Products: Mars Series Industrial Cameras

Test Standard: Class A



Surge Test

Test Result: **OK**

Category: Power Surge Test

Products: Mars Series Industrial Cameras

Test Structure: POE / DC

POE Surge Test Standard: 0.5kV common mode / 0.5kV differential mode 10/700 μ s

DC Power Surge Test Standard: 1kV Common Mode 1.2/50 μ s

Simulation argument:

Power Surge Reliability



Electrostatic Discharge Test

Test Result: **OK**

Category: Shell Electrostatic Discharge Test
Products: Mars Series Industrial Cameras
Test Condition: 6kV

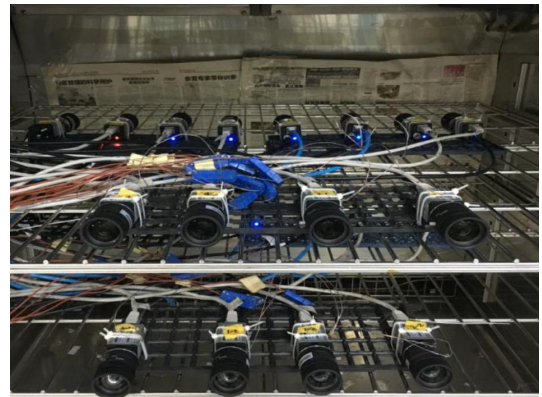
Simulation argument:
Electrostatic Discharge Test of Metal Shell



High and Low Temperature Test

Test Result: **OK**

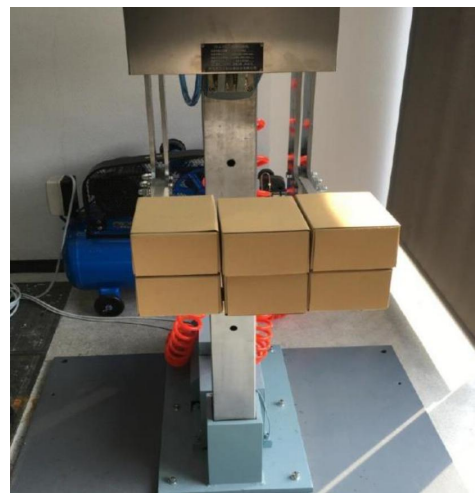
Category: High and Low Temperature Operating Test
Products: Mars Series Industrial Cameras
Lowest Operating Tem: -30°C
Highest Operating Tem: 50°C
Max Humidity: 96%
High Tem Operating Duration: 48hours
Low Tem Operating Duration: 24hours
Simulation argument: Extreme Temperature Stability



Drop Test

Test Result: **OK**

Category: Drop Test
Products: Mars Series Industrial Cameras
Direction of motion: Free Fall
Distance: 1000mm
Contact way: 6 faces, 3 edges 1 corner
Simulation argument: Drop Reliability
Simulation result: Performance and Reliability Change



Acceleration Shock Test

Test Result: **OK**

Category: Shock Test
Products: Mars Whole Series
Axial Direction: 3 axles
Direction of motion: 6 Directions
Law of motion: Stochastic
Acceleration equivalent: 3G
Shocking
Duration: 24hours
Simulation argument:
Vibration stability



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