**Test case ID: TC101**

Testcase title: Power button

Test description:

To test the ON/OFF features using the Power button.

Pre-condition: The camera must be sufficiently charged.

| **Steps #** | **Steps** | **Expected Results** | **Actual Results** | **P/F** |
| --- | --- | --- | --- | --- |
| 1 | Press the power button once | Should be able to press the button |  |  |
| 2 | Verify if the camera turns on | Camera should be turned on and display should be visible. |  |  |
| 3 | Press the power button again | Should be able to press the button |  |  |
| 4 | Verify if the camera is turned off | Camera should be turned off. |  |  |

**Test case ID: TC102**

Testcase title: Water resistance test case with valid range

Test description:

This is to test the water resistance feature of the camera with valid range (0 – 100m)

Pre-condition: The camera must be sufficiently charged.

| **Steps #** | **Steps** | **Expected Results** | **Actual Results** | **P/F** |
| --- | --- | --- | --- | --- |
| 1 | Immerse the camera into water with 10m depth for 15 minutes | Camera should be in the water at 10m depth |  |  |
| 2 | Take out the camera and press the power button once | Camera should be turned on and display should be visible. There should not be any signs of water penetration |  |  |
| 3 | Immerse the camera into water with 50m depth for 15 minutes | Camera should be in the water at 50m depth |  |  |
| 4 | Take out the camera and press the power button once | Camera should be turned on and display should be visible. There should not be any signs of water penetration |  |  |
| 5 | Immerse the camera into water with 100m depth for 15 minutes | Camera should be in the water at 100m depth |  |  |
| 6 | Take out the camera and press the power button once | Camera should be turned on and display should be visible. There should not be any signs of water penetration |  |  |

**Test case ID: TC103**

Testcase title: Water resistance test case with invalid range

Test description:

This is to test the water resistance feature of the camera with invalid range (>100m)

Pre-condition: The camera must be sufficiently charged.

| **Steps #** | **Steps** | **Expected Results** | **Actual Results** | **P/F** |
| --- | --- | --- | --- | --- |
| 1 | Immerse the camera into water with 101m depth for 15 minutes | Camera should be in the water at 101m depth |  |  |
| 2 | Take out the camera and press the power button once | Camera may not turn on or show water damages |  |  |
| 3 | Immerse the camera into water with 150m depth for 15 minutes | Camera should be in the water at 150m depth |  |  |
| 4 | Take out the camera and press the power button once | Camera may not turn on or show water damages |  |  |

**Test case ID: TC104**

Testcase title: Vertical fall with valid range

Test description:

This is to test the vertical fall tolerance feature of the camera with valid range (0 – 15m)

Pre-condition: The camera must be sufficiently charged.

| **Steps #** | **Steps** | **Expected Results** | **Actual Results** | **P/F** |
| --- | --- | --- | --- | --- |
| 1 | Drop the camera from 5m height | Camera should not have any physical damages |  |  |
| 2 | Press the power button once | Camera should be turned on and display should be visible. |  |  |
| 3 | Drop the camera from 10m height | Camera should not have any physical damages |  |  |
| 4 | Press the power button once | Camera should be turned on and display should be visible. |  |  |
| 5 | Drop the camera from 15m height | Camera should not have any physical damages |  |  |
| 6 | Press the power button once | Camera should be turned on and display should be visible. |  |  |

**Test case ID: TC105**

Testcase title: Vertical fall with invalid range

Test description:

This is to test the vertical fall tolerance feature of the camera with invalid range (>15m)

Pre-condition: The camera must be sufficiently charged.

| **Steps #** | **Steps** | **Expected Results** | **Actual Results** | **P/F** |
| --- | --- | --- | --- | --- |
| 1 | Drop the camera from 16m height | Camera may have physical damages |  |  |
| 2 | Press the power button once | Camera may not turn on and display might experience issues. |  |  |
| 3 | Drop the camera from 20m height | Camera should have physical damages |  |  |
| 4 | Press the power button once | Camera should not be turn on and display should not be visible. |  |  |

**Test case ID: TC106**

Testcase title: Battery life standby mode valid time intervals

Test description:

This is to test the battery life of the camera during the standby mode in the valid time range (0-10hrs)

Pre-condition: The camera must be **fully** charged.

| **Steps #** | **Steps** | **Expected Results** | **Actual Results** | **P/F** |
| --- | --- | --- | --- | --- |
| 1 | Press the power button once | Camera should be turned on and display should be visible. |  |  |
| 2 | Put the camera into standby mode | Camera is in standby mode |  |  |
| 3 | Check the battery status of the camera after 3 hours | Battery percentage should be slightly reduced and there should not be any unexpected shutdowns |  |  |
| 4 | Check the battery status of the camera after 6 hours | Battery percentage should be considerably reduced and there should not be any unexpected shutdowns |  |  |
| 5 | Check the battery status of the camera after 9 hours | Battery percentage should be reduced than the previous and there should not be any unexpected shutdowns |  |  |
| 6 | Check the battery status of the camera after 9 hours | Battery percentage should be very less and there should not be any unexpected shutdowns |  |  |

**Test case ID: TC107**

Testcase title: Battery life standby mode invalid time intervals

Test description:

This is to test the battery life of the camera during the standby mode in the invalid time range (>10hrs)

Pre-condition: The camera must be **fully** charged.