

PRO

operations

Thorough testing during product development

High durability

- Impact test
- Drop test
- Vibration test
- Earthquake test
- Package drop test
- Package shaking test
- Package compression test

Environmental resistance

- Heat run test
- Water spray test
- Dustproof test
- Static electricity test
- Voltage surge test
- Wind pressure test
- Thermal limit test
- Salt spray test

Designed for long-term use

- Continuous ~~test~~
- Charge/discharge test
- UV exposure test
- Thermal cycle test
- Condensation cycle test



**-IEC 62262 Compliant
Drops 10kg (22lb) iron ball 3
times from 0.5m (1.64ft)**

[REDACTED]

[REDACTED]
[REDACTED]
Height [REDACTED]

An aerial, high-angle photograph of a multi-lane highway. Two semi-trucks are traveling in the same direction. The truck in front is white with a white trailer. The truck behind it is blue with a blue trailer. A large white arrow is painted on the road surface, pointing in the direction of travel. The text "Against external vibrations" is overlaid in white, bold font, centered between two horizontal white lines. The background shows green grass and a clear sky.

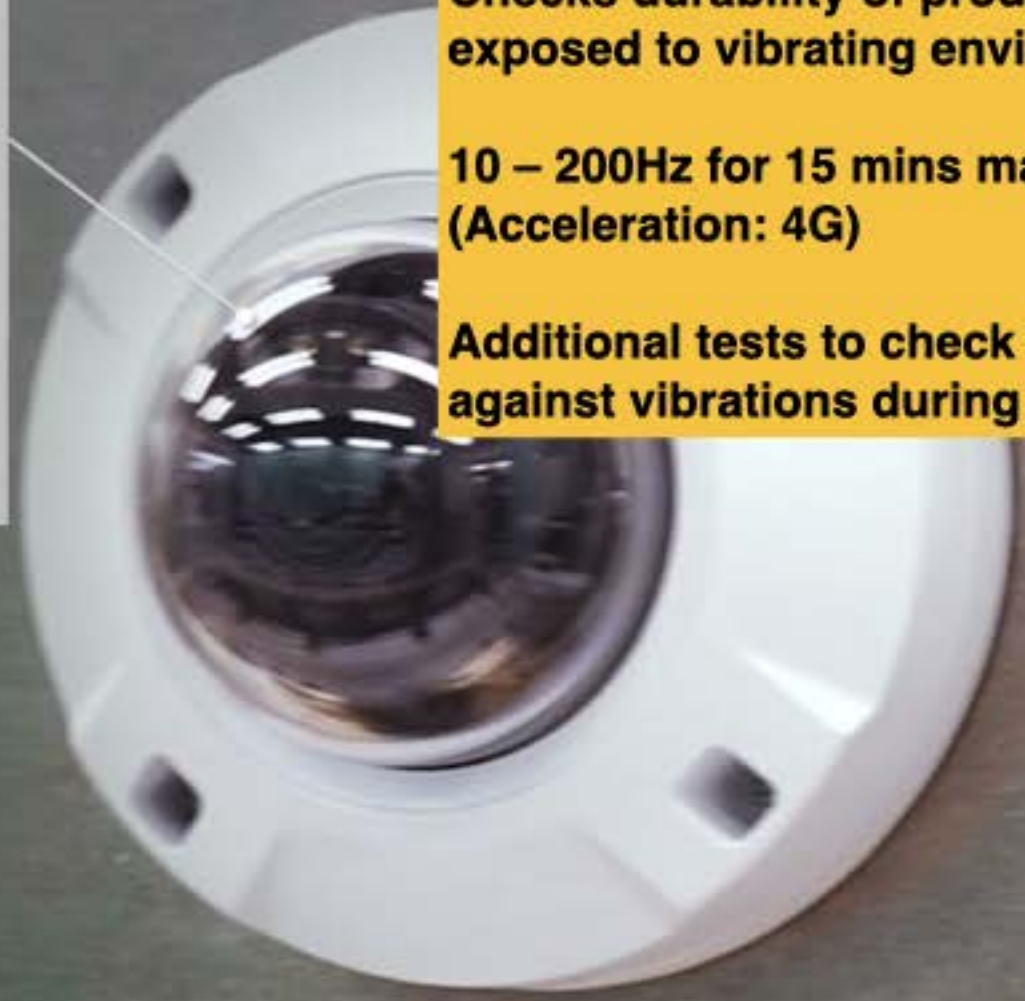
Against external vibrations


- Compliant with IEC 60068
- 10 – 200Hz for 15 mins max
(Acceleration: 4G)
- Additional tests to check durability against vibrations during delivery

–IEC 60068 Compliant
Checks durability of products exposed to vibrating environments

10 – 200Hz for 15 mins max
(Acceleration: 4G)

Additional tests to check durability against vibrations during delivery



A photograph of a snowy street scene. In the foreground, a traffic light on the right shows a red light. Below it, a road sign features a blue circle with a white upward arrow, topped by a white inverted triangle with a red border. To the right of this, another sign shows a blue circle with a red border and a red 'X', with a rectangular sign below it indicating '1 200 M'. The background is filled with snow-covered trees and a building. The text 'In extreme climates' is centered over the image, flanked by two horizontal white lines.

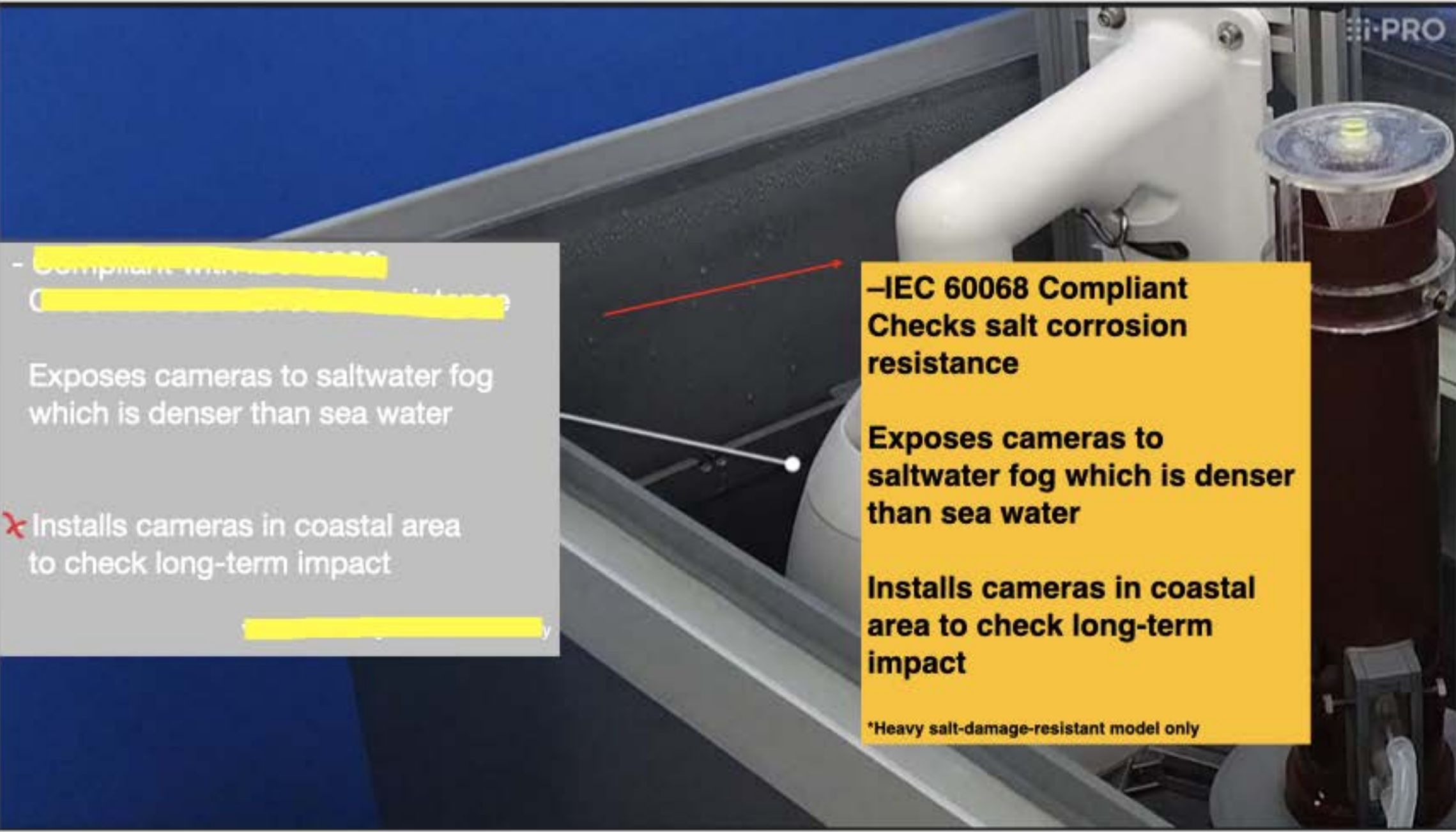
In extreme climates

-IEC 60068 Compliant
Checks operations under high/low
temperature environment

Compliant with IEC 60068
Checks operation under high/low
temperature environment

Leaves cameras at -50°C (-58°F)/+60°C
(+140°F) for several hours

*Tested temperature may vary depending on models



- Compliant with IEC 60068-2-11
Compliant with IEC 60068-2-11

Exposes cameras to saltwater fog which is denser than sea water

✗ Installs cameras in coastal area to check long-term impact

**-IEC 60068 Compliant
Checks salt corrosion
resistance**

**Exposes cameras to
saltwater fog which is denser
than sea water**

**Installs cameras in coastal
area to check long-term
impact**

*Heavy salt-damage-resistant model only

-IEC 60529 Compliant



Compliant with IEC60529
Examines endurance of internal
components from water damage

IPx6

Exposes to high-pressure water
100L (22 gal)/min

IPx7

Immerses up to 1.0m (3.28ft)
of water for 30 mins

A photograph showing four white i-PRO security cameras mounted on a metal test rig. The cameras are arranged in a row, each with a black lens. A yellow box with the word "operations" is positioned in front of the second camera from the left. A red line points from the text "Continuous operations test" to the lens of the first camera. A white line points from the text "to ensure long-term use" to the lens of the second camera.

operations

Continuous
operations test to ensure
long-term use