

iQ-Climate Chamber

Temperature-controlled camera performance testing

The iQ-Climate Chamber creates different temperature scenarios for camera performance testing. It is currently the only device on the market for testing a camera system in a temperature-controlled environment.

Main Features

- * Test range of -30° to 120° C*
- * Temperature stability of $\pm 0.3^{\circ}$ K
- * Built-in universal camera mount
- * Create test sequences directly on the device
- * Software control



ADAS testing

ADAS cameras can often experience performance issues with fluctuating temperatures. As a result, these systems must be rigorously tested in a lab before they are safe for consumer use. Almost all of the current test methods rely on testing in an actual outdoor setting with, naturally, unpredictable weather conditions. The iQ-Climate Chamber, however, provides a temperature-controlled environment from the confines of a test lab.

At a Glance	iQ-Climate Chamber
Principle	Camera tests under various temperature conditions
Temperature range	-30° to 180° C (-30° to 120° when using the UCM camera mount)
Temperature stability	$\pm 0.3^{\circ}$ K
Size of camera window	\varnothing 200 mm
Power supply	230 V / 50 Hz 2.2 kW for Climate Chamber + 2.3 kW for Heater Variants for 110 V / 60 Hz on request

* The Universal Camera Mount (UCM) in the device has been tested within the temperature range of -30° to 120° C. We do not recommend testing outside of this range.