



**Overview**

Product name	iQ-Bench
Principle	A component of the iQ-Teststand: optical Bench as a motorized or manual version

**Features**

Bench

Movement range	3000 mm, custom specification on request, minimum 1000 mm
Length	3730 mm (movement range + 730 mm)
Motorization	<input type="checkbox"/> yes (iQ-Bench-M) <input type="checkbox"/> no (iQ-Bench)
Motor type*	400W EC Motor
Velocity*	max. 1 m/s
Accuracy/Moving resolution*	1 mm
Specialties	<ul style="list-style-type: none"> <li>• Combinable with iQ-Chartmount</li> <li>• Slider for assembling camera mountings such as iQ-Cameramount, Geared Hexapod, iQ-Align, etc.</li> <li>• Includes emergency stop switches</li> <li>• Set up by Image Engineering or trained Premium Reseller for iQ-Bench-M mandatory</li> </ul>

Software (API)\*

System requirements*	PC with Windows 7 operating system (or higher) USB port
Functions*	<ul style="list-style-type: none"> <li>• Setting position, velocity, acceleration, and deceleration parameters</li> <li>• Homing function to calibrate iQ-Bench-M</li> </ul>
API (C++)*	iQ-Drive API



## General description hardware

---

Power supply/consumption*	110 V / 230 V, 600 W
Ports*	1 x USB (electronic cabinet) 1 x IEC-60320 C13/C14 power adaptor (electronic cabinet)
Dimension [W x H, length]	650 x 1050 mm, 3730 mm (without camera mounting)
Working height	1400 mm +/-140 mm (with iQ-Cameramount)
Horizontal alignment	Height-adjustable feet
Connection to iQ-Chartmount	Yes (if iQ-Chartmount is ordered with iQ-Bench; custom specification on request)
Operating conditions*	15 - 30 °C, indoor use only

## Requirements of the device under test (DUT)

---

Max. dimensions	50 cm x 50 cm x 40 cm (larger size on request)
Max. weight	5 kg (higher weight on request)

---

\* Only applicable for motorized version (iQ-Bench-M)