iQ-Rotation data sheet

Overview

Product name	iQ-Rotation
Principle	Component part of iQ-Teststand: solution for camera rotation, software controlled, motorized

Features

Rotation device

Rotation range	190°
Motor type	DC gear motor
Velocity	90 °/s (max.)
Accuracy/Moving resolution	15 µrad / 0.0008°
Repeatability	60 µrad / 0,0032° (unidirectional)

API (Software)

System requirements	PC with Windows 7 operating system (or higher) USB port
Functions	• individual configuration of the device with XML file • desktop software included both as executable and as a source code reference implementation
API (C++)	iQ-Drive API

General description hardware

Dimension [W x H x D]	100 x 39 x 150 mm
Connection to iQ-Bench	yes (firmly fixed to iQ-Bench if iQ-Bench is ordered with iQ-Rotation)
Operating conditions*	-20 - 65 degrees Celsius, indoor use only

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Requirements on device under test (DUT)

Max. dimension	not limited (refer to max. DUT weight)
Max. weight	65 kg (axial force)