



iQ-Selfie Studio

User Manual

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Content

1 INTRODUCTION	3
1.1 Conformity (refers to iQ-Trigger-T only).....	3
1.2 Intended use	3
1.3 General safety information	3
2 GETTING STARTED	4
2.1 Scope of delivery	4
2.2 Commissioning	4
3 OPERATING INSTRUCTIONS	5
3.1 Overview	5
3.2 Light conditions	6
4 ADDITIONAL INFORMATION	7
4.1 Maintenance	7
4.2 Storage and transport	7
4.3 Disposal instructions	7
5 TECHNICAL DATA SHEET	7

1 INTRODUCTION

Important information: Read the manual carefully before using the device.

Inappropriate utilization may cause damages to the device, to the DUT (device under test) and/or other components of your setup.

Keep these instructions in a safe place and pass them to any future user.

1.1 Conformity (refers to iQ-Trigger-T only)

We, Image Engineering GmbH & Co. KG, hereby declare that the “iQ-Trigger-T” corresponds to the essential requirements of the following EC directive:

- Electromagnetic Compatibility - 2014/30/EU

1.2 Intended use

iQ-Selfie Studio is used to determine resolution and color reproduction of a mobile phone in selfie mode when combined with the image analysis software tool iQ-Analyzer. The mannequin is meant to trigger the cameras face recognition, but it can also be used for a visual impression assessment.

- Only suitable for indoor use.
- Place your system in a dry and constant tempered environment without any interfering light.
- The optimal ambient temperature range is 21 to 25 degrees Celsius.

1.3 General safety information

Do not open any device without instructions from the Image Engineering support team or when connected to the power supply.



2 GETTING STARTED

2.1 Scope of delivery

- iQ-Wallmount
- iQ-Selfimount
- TE284 front and TE284B background chart
- Manfrotto 055XPRO3 tripod
- Manfrotto 410 3-way head
- iQ-Mobilemount
- iQ-Trigger-T

Optional equipment:

- Hedler tungsten halogen light source system
- TE251
- iQ-Analyzer software (V6.1.7 or later)



iQ-Selfimount

2.2 Commissioning

Unpack the different components. The devices are joined by screws and further small items if necessary, ensure that you do not mix items/screws from different components.

For detailed assembly instructions please review the assembly manuals of iQ-Wallmount and iQ-Selfimount.

Unpack the charts only when the mounting solutions are ready for usage to prevent destroying the charts.

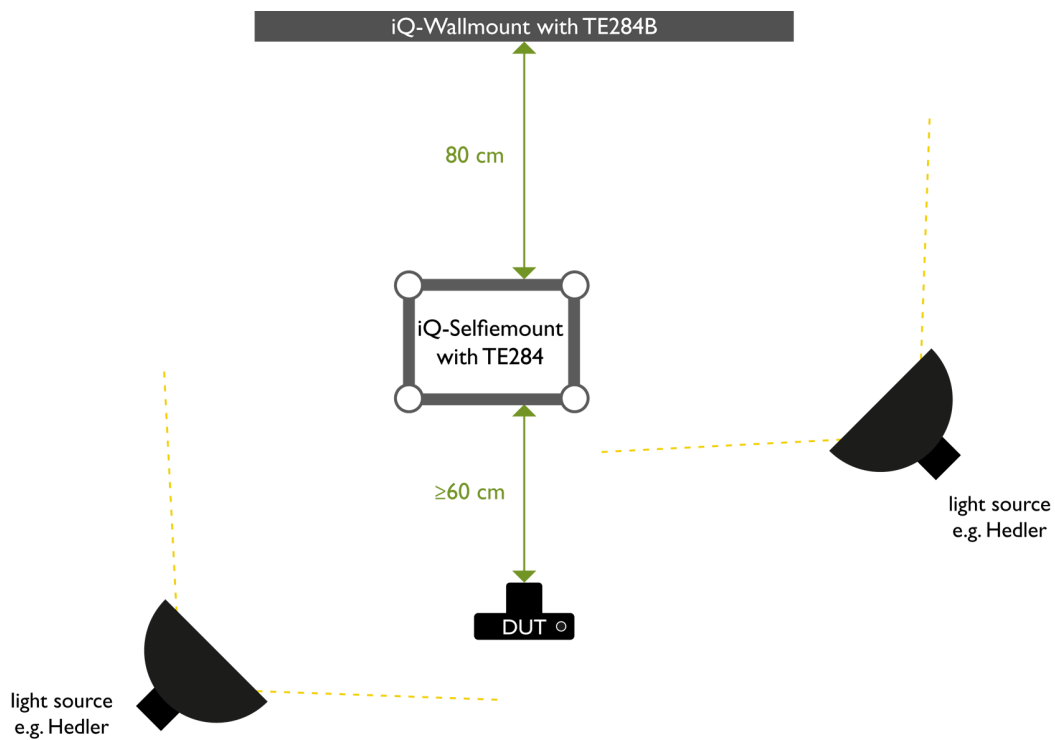
Some parts are already assembled: iQ-Mobilemount, Manfrotto tripod and 3-way head and iQ-Trigger-T.



3 OPERATING INSTRUCTIONS

3.1 Overview

The DUT has to be placed in front of the iQ-Selfie Studio so that the whole scene fills the image but with a distance of at least 60cm to the TE284.

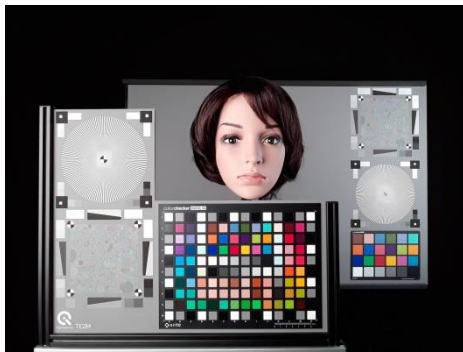


Positioning of DUT, light source and iQ-Selfiement with TE284 in front of iQ-Wallmount with TE284B

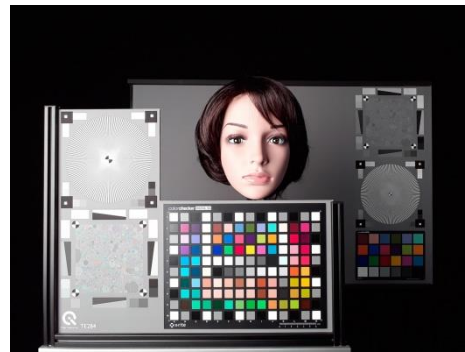


3.2 Light conditions

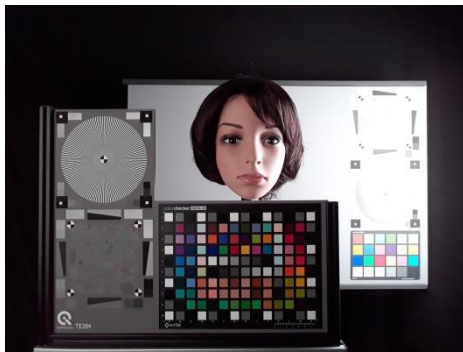
Turning on just one of the light sources or both light sources together results in three different light conditions. The images can be analyzed with the 42 module of iQ-Analyzer V6.1.7 or later.



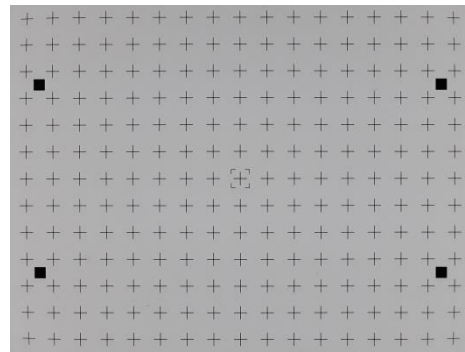
TE284 with full illumination



TE284 with front illumination



TE284 with back illumination



TE251 (optional)

For a detailed description of the VCX test procedure and the request of the white paper please contact vcx@camtest.eu.



4 ADDITIONAL INFORMATION

4.1 Maintenance

In order to maintain consistent quality of the test charts, they should be checked periodically. The expiration date on the back of the charts provides an indication for when it is time to exchange. This expiration date can often vary because the life time depends highly on the charts usage and storage parameters.

The surface of reflective test charts is directly accessible and sensitive to mechanical harms. Dust and other little spots should be cleaned by using a very soft brush or cloth. Please use caution when cleaning reflective charts.

4.2 Storage and transport

To delay the aging, test charts should be stored in a dry and dark environment under laboratory conditions.

See iQ-Trigger-T manual for additional information concerning iQ-Trigger-T.

4.3 Disposal instructions

After the service life of iQ-Selfie Studio, it must be properly disposed of. Electrical and electromechanical components are included in iQ-Trigger-T. Observe your national regulations. Make sure that iQ-Selfie Studio cannot be used by third parties after disposing of it.

Contact Image Engineering if assistance for disposal is required.

5 TECHNICAL DATA SHEET

See annex for the technical data sheet. It can be downloaded at the website of Image Engineering as well: www.image-engineering.com.