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# Quick Start Guide

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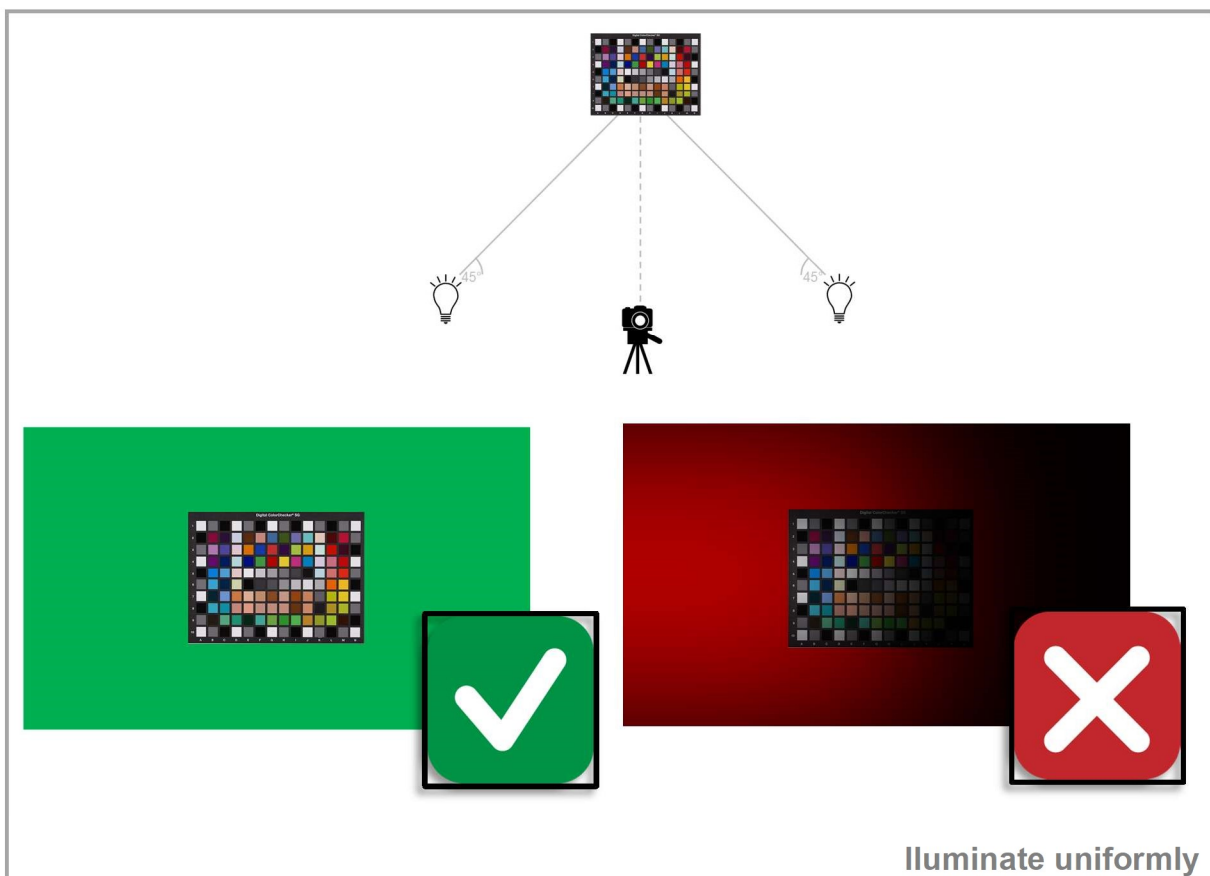
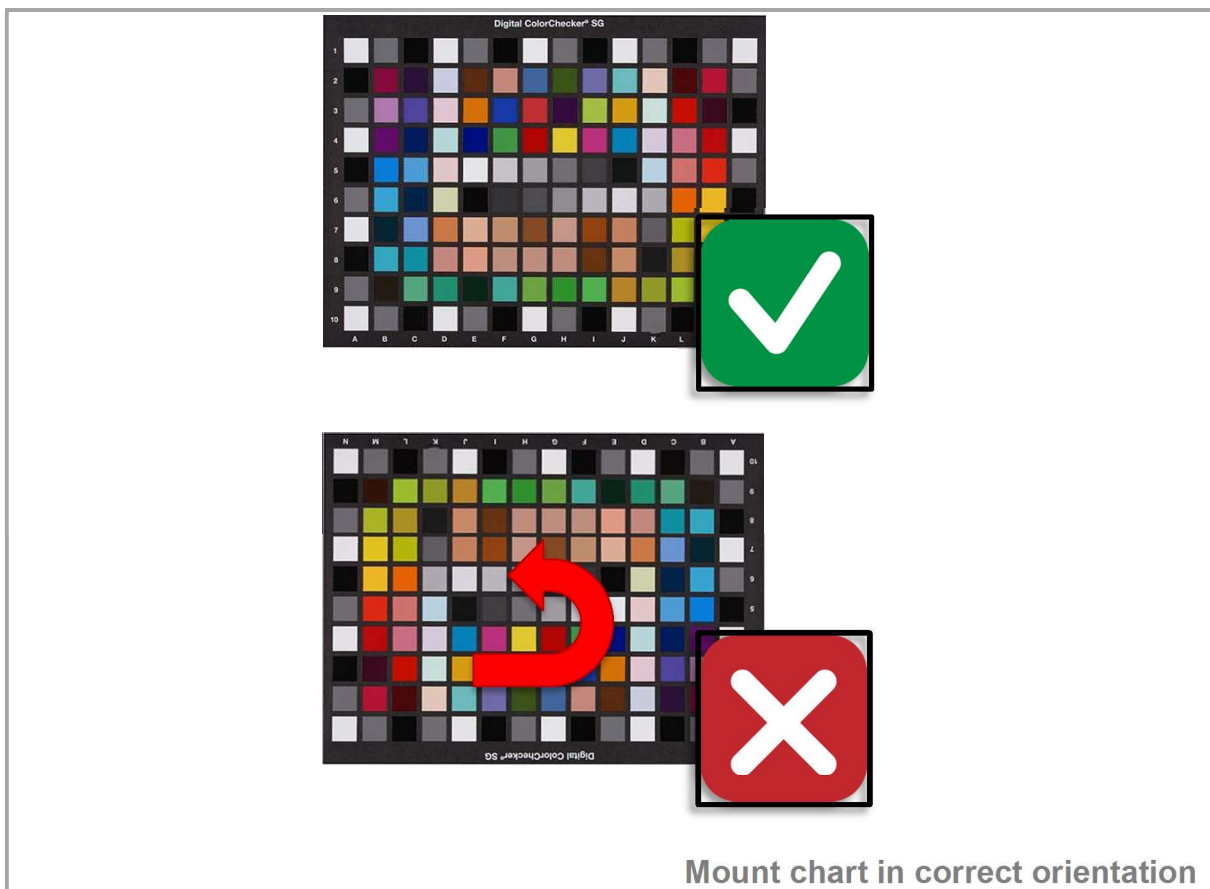
TE230

July 17, 2017



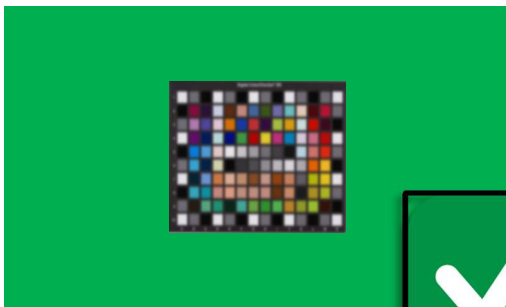
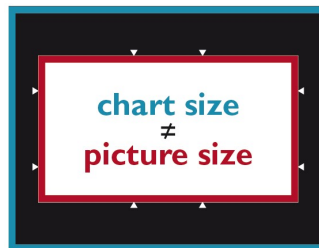


## 1 PREPARE CHART



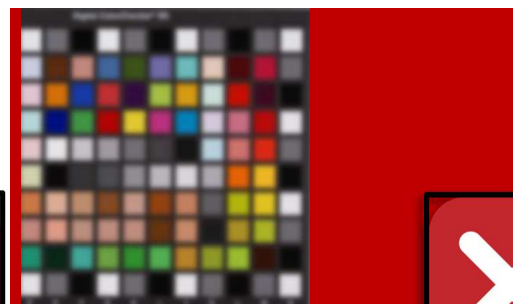
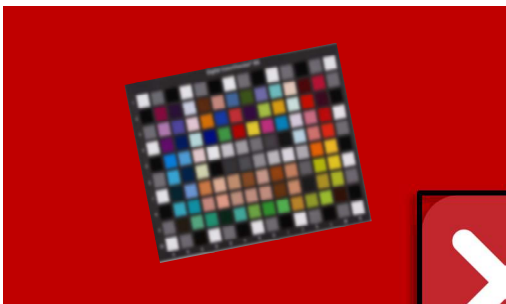
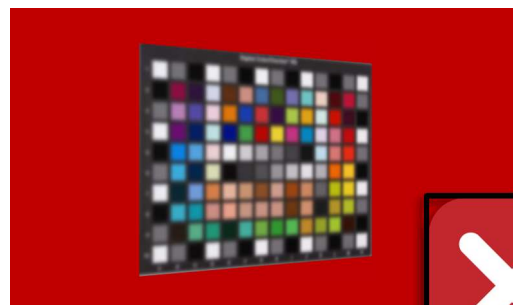
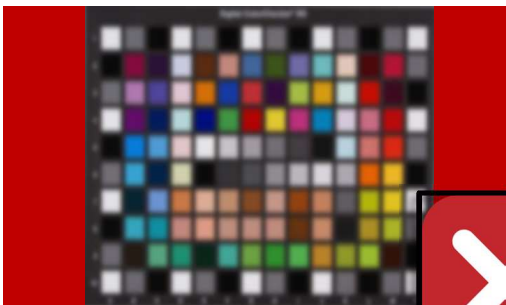


## 2 PREPARE CAMERA



To avoid shading influences of the camera it is recommended to align the chart not full format in the image.

A slight blurring/defocus supports the receipt of a homogenous color field.



Align camera and chart



## Check camera settings and take pictures

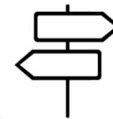
### 3 START SOFTWARE

**FREE**  **OR**  
**DEMO** **BUY**

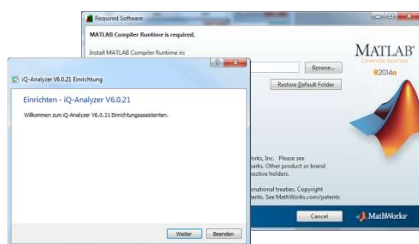
**Request free demo or buy**



[www.image-engineering.de](http://www.image-engineering.de)



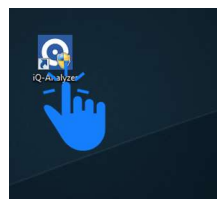
**Use shipped DVD or download\***



## Install



### Copy reference files if necessary



## Attach USB dongle and run

**For a three month trial version of the  
iQ-Analyzer please contact**

**sales@image-engineering.de**

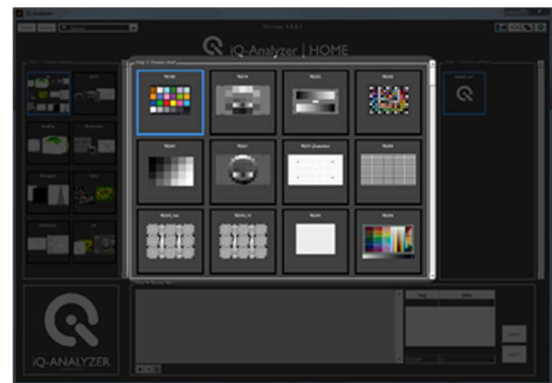
\* <https://www.image-engineering.de/products/software/376-ig-analyzer#downloads>



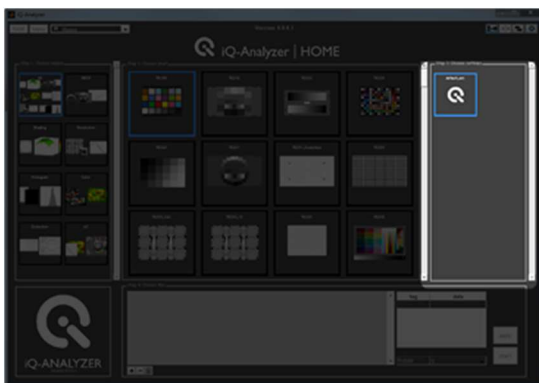
## 4 USE HOME SCREEN



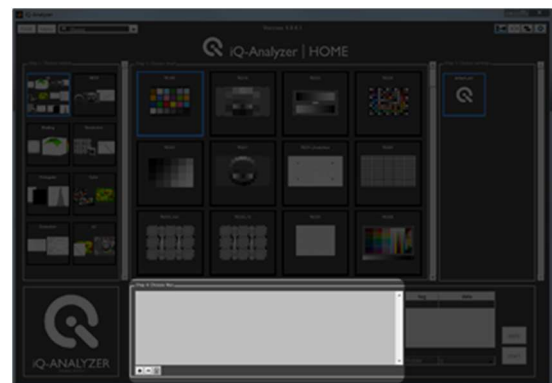
Select module



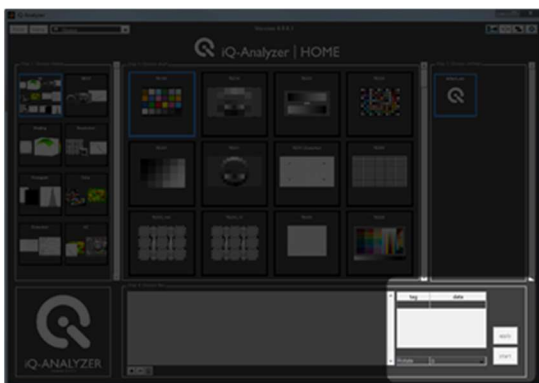
Select chart



Select settings



Load image file(s)



Start analysis

For customizing the HOME SCREEN to your specific needs, please read the

**iQ-Analyzer user manual \***

**Please note: Default Home Screen just contains default settings.**

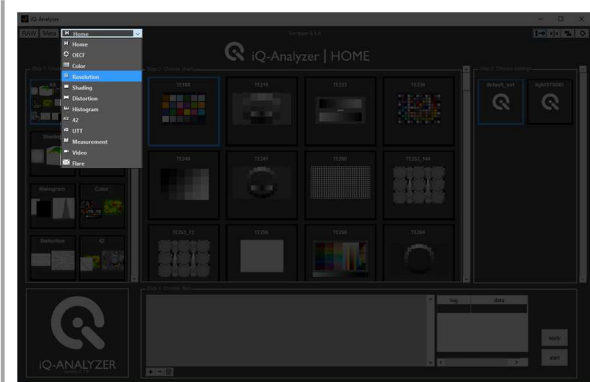
\* [https://www.image-engineering.de/content/products/software/analyzer/downloads/iQ-Analyzer\\_manual.pdf](https://www.image-engineering.de/content/products/software/analyzer/downloads/iQ-Analyzer_manual.pdf)



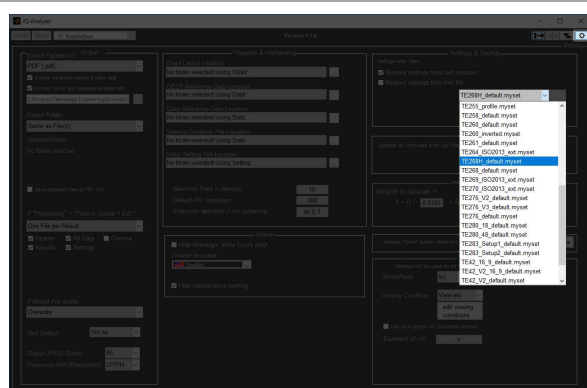
## 5 USE OF ADMINISTRATOR MODE



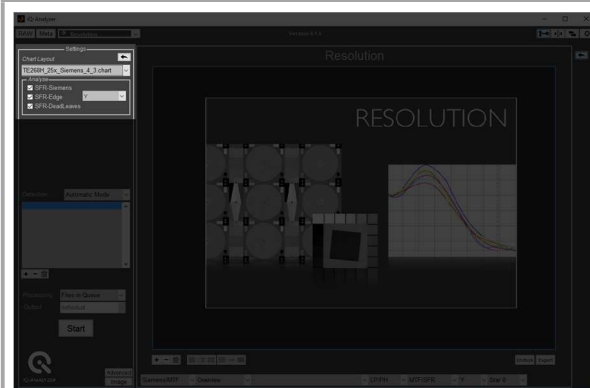
Enable Administrator Mode



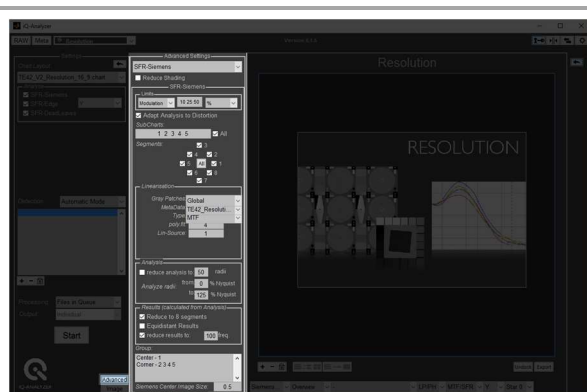
Choose module



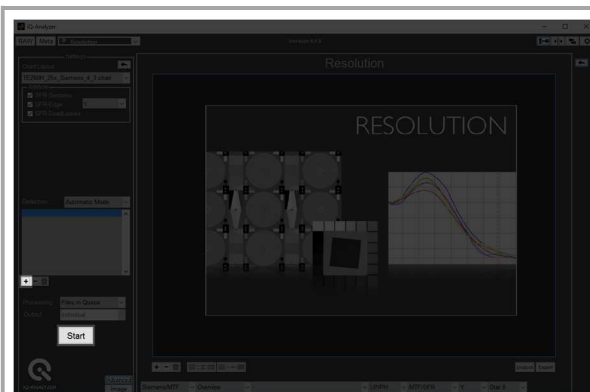
Go to Advanced Settings and choose .myset file for chart depending Settings



Check chart dependend Settings



Check Advanced Settings



Load image file(s) and start analysis

For all chart specific information about Settings and Advanced Settings please read the

**iQ-Analyzer user manual \***

\* [https://www.image-engineering.de/content/products/software/analyzer/downloads/iQ-Analyzer\\_manual.pdf](https://www.image-engineering.de/content/products/software/analyzer/downloads/iQ-Analyzer_manual.pdf)





Watch the results



## 6 WATCH THE RESULTS

Image

Result

Toggle between image and results

Delta E

Delta L

Delta C

Delta H

VN

Delta E

\\VBOXSVR\Work\IProdukte\iQ-Analyzer...

Numerical Results

Visual Comparison

3D Bars

CIE xyY

CIE L\*a\*b\*

Numerical Results

Org

corrL

corrC

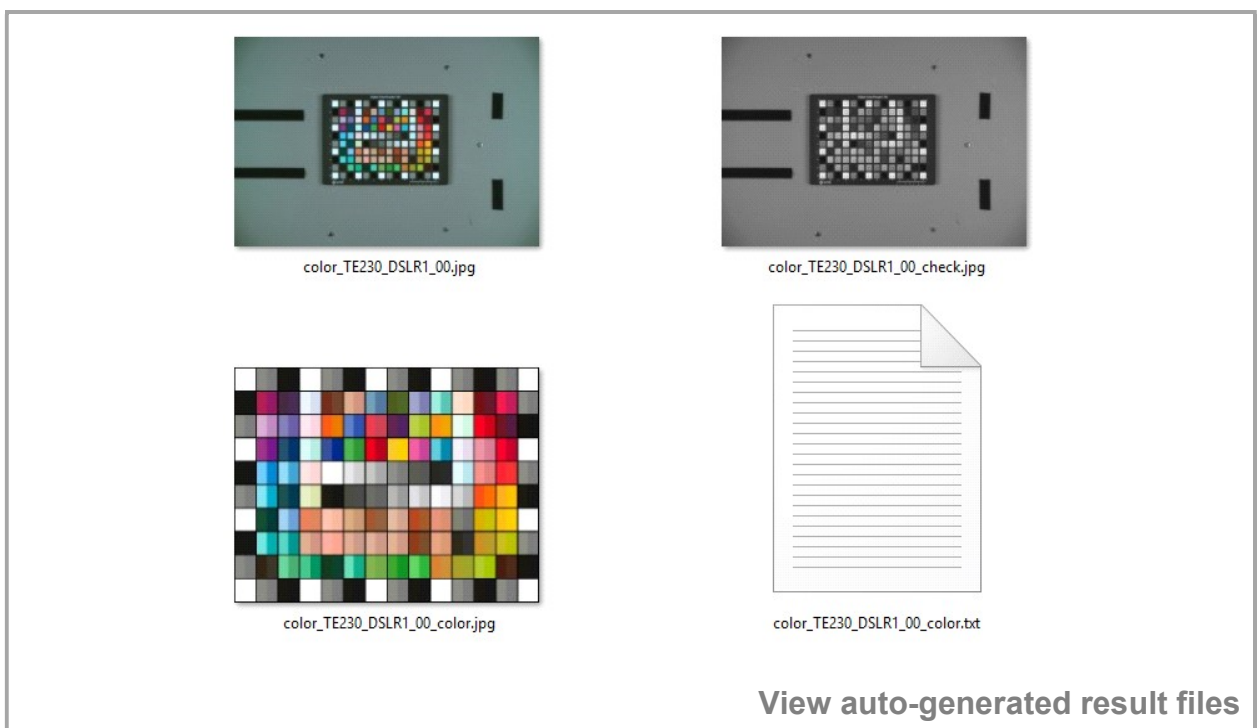
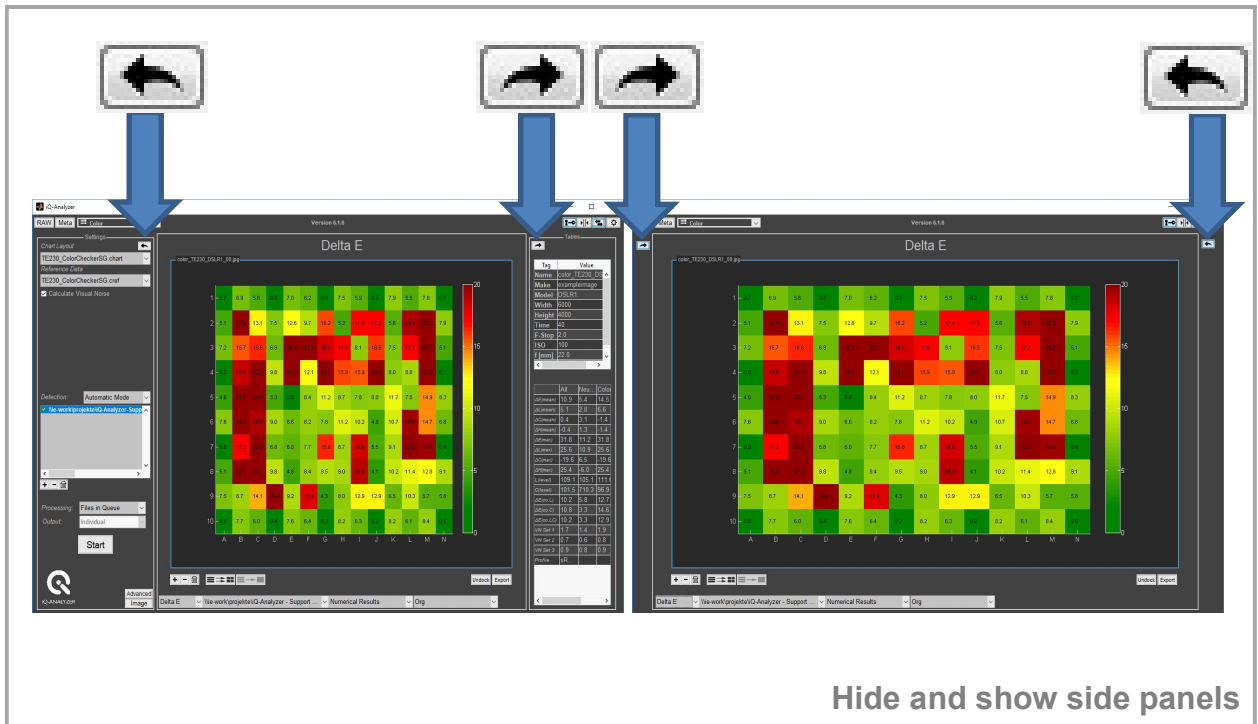
corrLC

Org

Toggle between different result views



Watch the results



**Congratulation!**  
**You ran your first analysis!**





What's next?



## 7 WHAT'S NEXT?

**IQ-Analyzer** Version 6.1.6

RAW Meta Color

Settings: Chart Layout: TE230\_ColorCheckerSG.chart Reference Data: TE230\_ColorCheckerSG.cref ☒ Calculate Visual Noise

Detection: Automatic Mode

Processing: Files in Queue Output: Individual

Start

**Delta E**

color\_TE230\_DSLR1\_00.jpg

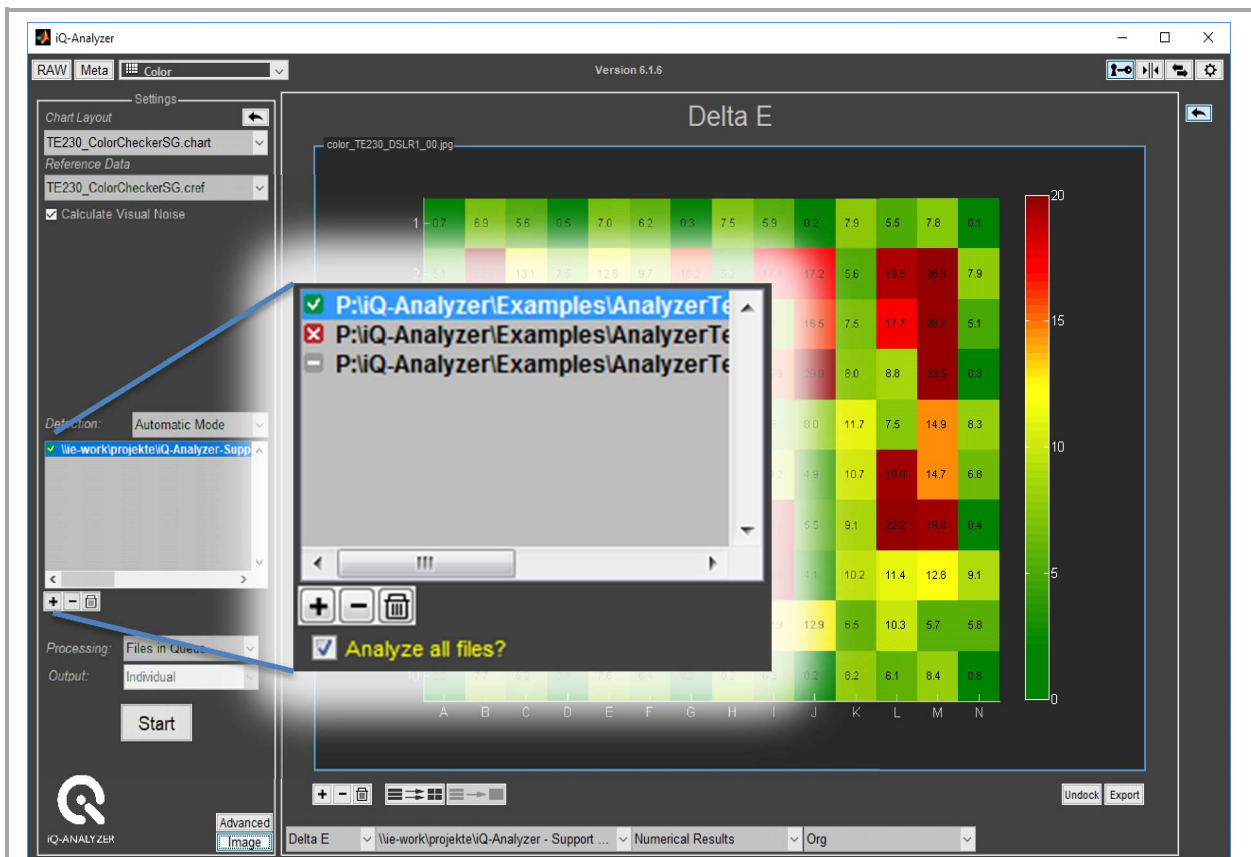
Export

Delta E

Make: exampleimage Model: DSLR1 Width: 6000 Height: 4000 Time: 40 F-Stop: 2.0 ISO: 100 f [mm]: 22.0 EV: - Serial: Lens: Firmware: noExif Illumination [lux]: Object Distance [m]: Laboratory: Operator:

|           | All                      | Neutral | Color | CC    | Skin  |
|-----------|--------------------------|---------|-------|-------|-------|
| dE(mean)  | 10.9                     | 5.4     | 14.5  | 14.5  | 9.6   |
| dL(mean)  | 5.1                      | 2.8     | 6.6   | 7.0   | 4.2   |
| dC(mean)  | 0.4                      | 3.1     | -1.4  | -0.9  | 4.0   |
| dH(mean)  | -0.4                     | 1.3     | -1.4  | -1.3  | -0.7  |
| dE(max)   | 31.8                     | 11.2    | 31.8  | 29.0  | 19.3  |
| dL(max)   | 25.6                     | 10.9    | 25.6  | 25.6  | 8.5   |
| dC(max)   | -19.6                    | 6.5     | -19.6 | -19.6 | 17.9  |
| dH(max)   | 25.4                     | -6.0    | 25.4  | -19.2 | -9.9  |
| L(level)  | 109.1                    | 105.1   | 111.6 | 113.1 | 106.6 |
| C(level)  | 101.5                    | 710.3   | 96.9  | 97.8  | 111.9 |
| dE(cc L)  | 10.2                     | 5.8     | 12.7  | 12.7  | 7.8   |
| dE(cc C)  | 10.8                     | 3.3     | 14.6  | 14.5  | 8.7   |
| dE(cc LC) | 10.2                     | 3.3     | 12.9  | 12.7  | 7.1   |
| VN Set 1  | -                        | -       | -     | -     | -     |
| VN Set 2  | -                        | -       | -     | -     | -     |
| VN Set 3  | -                        | -       | -     | -     | -     |
| Profile   | sRGB IEC61966-2.1 991203 | -       | -     | -     | -     |

Export results



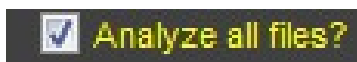
Analysis successful



Analysis failed



Not analyzed yet



Analyze successfully analyzed images again?

Change settings and re-start analysis



## 8 NEED HELP?



**Read the iQ-Analyzer user manual\***



**Attend our Webinars\*\***



**Ask our Support Team**

## 9 CONTACT US

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\* [https://www.image-engineering.de/content/products/software/analyzer/downloads/iQ-Analyzer\\_manual.pdf](https://www.image-engineering.de/content/products/software/analyzer/downloads/iQ-Analyzer_manual.pdf)

\*\* <https://www.image-engineering.de/products/software/376-iq-analyzer#webinars>