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Software Description

Read me JENCOLOR SDK

Description of the JENCOLOR Source Development Kits

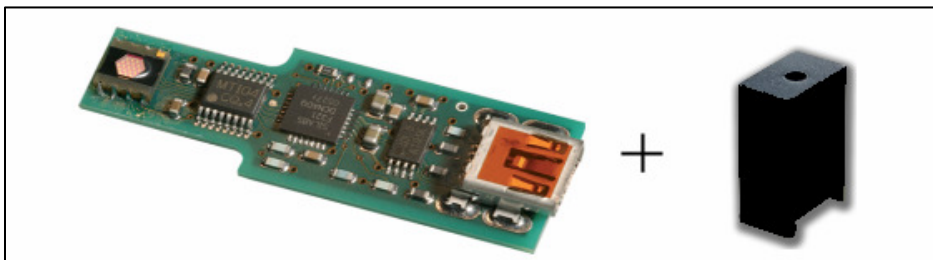
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1 PACKET CONTENT

1.1 JENCOLOR SDK MTCS-C2

- 1x MTCS-C2 Colorimeter



- 1x DARKBLENDE CIRCULAR HOLE
- 1x USB Cable 1 metre, connector A to mini B
- USB-driver and test software for MTCS-C2
- MTCS-C2 API-Programing interface DLL
- Col2LibInterface
- Datasheets MTCS-C2, Col2LibInterface, JencolorDLL and MTCSApi DLL

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2 FIRST STEPS

The following document describes the content of the JENCOLOR Source Development Kit. This document gives an overview and short summary about the files in the SDK. For more detailed information about the individual functions please read the documentation of the corresponding section.

1. **Driver Installation**
Please install the USB driver for the sensor board based on the details in the data sheet (see chapter 2.4. Software installation in Data sheet "Technical Documentation MTCS-C2).
2. If you use the sensor boards of the MAZeT GmbH at the first time, so it is recommended to install the modEVA / Colorimeter2 test software. This software is used to test among others the functioning of the board and to get a feeling for them. The test software is available on the CD with the inscription MTCS-ME1 / MTCS-C2. There will be starting an auto launch window as far as the CD will be inserted. With this window you can install the PC software and then follow the instructions of the setup. After installing the software can start them from the Start menu. The software description of this Software is also in the auto launch window.
3. To use these software libraries they must be included in your development environment. If it is not known how to include external libraries into the IDE, so use the help of your development environment. The detailed description and how to use the libraries can be found in the various descriptions. A short summary about the libraries can be found in the section 3 SDK Summery.

3 SDK SUMMERY

1. The **JenColorDLL** is a library, which supports the calibration, measurements and color metrics with a MTCS true color sensor of MAZeT. The JenColorDLL uses function pointer as callback functions, which are already implemented in the Col2LibInterface (used for the MTCS-C2 Board Colorimeter) or modEvaLibInterface (used for the MTCS-ME1 modEva board). The exact functions are listed in the file "**data sheet JENCOLOR Library JenColorDLL.pdf**"
2. The **Col2LibInterface or modEvaLibInterface** contains the Interface between the user application, the JenColorDLL and MTCSApi. The callback functions of the JenColorDLL are programmed "compiler ready". To adapt this source code to your application just replace the printf() and scanf() functions (out of the standard library <stdio.h>) with your own application specific code. Global variables have to be changed in some functions to the users need, too. Go through these functions named in the to-do list and reprogram them. The exact functions and description are listed in the file "**data sheet JENCOLOR Library Col2LibInterface.pdf**".

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3. The **MTCSApi** is an application programming interface to control the MTCS-ME1 or MTCS-C2 sensor boards. An USB 2.0 port is required to connect the sensor board and execute the software. These library offers among other things, features such as initializing sensor boards, write and read the EEPROM, read ADC values and disconnect devices. The exact functions are listed in the file “**data sheet DLL db05171e.pdf**”.

4 FOLDER STRUCTURE

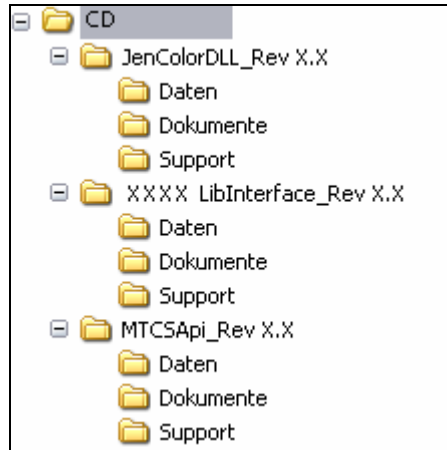


Figure Folder structure on the data medium

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