

## CC-2D Technical Data

Scan Element Type:	CMOS
Optical Resolution:	640x480
Reading 1D codes:	<b>Code 128, Code 39</b>  UCC/EAN-128, AIM 128, EAN-8, EAN-13, ISSN, ISBN, UPC-E, UPC-A, Interleaved 2 of 5, ITF-6, ITF-14, Matrix 2 of 5, European 25, Standard 25, Codabar, Code 93, Code 11, Plessey, MSI-Plessey, RSS-14, RSS-Limited, RSS-Expand (desabled by default - require activation)
Reading 2D codes:	<b>Data Matrix, QR,</b>  Micro QR, PDF417 (desabled by default - require activation)
Barcode Sensitivity:	Tilt $\pm 60^\circ$ @ $0^\circ$ Roll and $0^\circ$ Skew Rotate $360^\circ$ @ $0^\circ$ Pitch and $0^\circ$ Skew Deflection $\pm 55^\circ$ @ $0^\circ$ Roll and $0^\circ$ Pitch
Focus Laser 650nm	$\geq 30\%$
Typical Reading Distance	QR (30mil) 0-20cm, code 128 (10mil) 0-18 cm
Read Accuracy	$\geq 5\text{mil}$
Scanning range:	0-25cm
Humidity:	5%~95% (non-condensing)
Operating temperature	-20°C~50°C
Interface Type:	USB USB HID-POS (default) USB Virtual COM USB Keyboard Emulation RS232 (optional cable required)
Operating Current:	150 mA (typ.)
Standby Current:	120 mA
Electrostatic protection	$\pm 16$ kV (air discharge), $\pm 8$ kV (direct discharge)



The ChromaChecker CC-2D Reader offers HANDS FREE mode, (inductive) - bar code reading can be triggered automatically without pressing any buttons. Place instrument in holder, and activate hands-free mode and work faster and easier.

The ChromaChecker CC-2D Reader has a high quality, shock resistant housing dedicated to use in an industrial environment. Elements made of elastic plastic protect against permanent damage even if it encounters a strong impact.

High quality requirements make the product exceptionally well designed and easy to use.

This ChromaChecker CC-2D Reader offers a number of additional advanced settings described in full in the manual.

## Trouble-shooting Guide

If your bar code reader is not working as expected, then follow this troubleshooting guide in this order:

1. Unplug from USB port and plug back in. Be sure that USB port can deliver sufficient power to the reader (120 mA current required). Try another USB port or a powered USB hub.
2. When successfully connected computer will recognize reader as: "KeyPos SF" USB HID device
3. When successfully connected a green light on top of reader will illuminate, and it should beep.
4. If problem still exists, reset the reader by scanning this "Reset" code to reset factory defaults.



5. If problem still exists, scan this bar code "USB-HID-POS" and reconnect



### Plan "B" (switching to manual connection mode)

1. If the above steps did not solve the problem, switch the reader to: VirtualComm mode (scan the bar code) and connect the bar code reader manually:



2. In the ChromaChecker Capture, select device from list (look for proper COM port on PC or USBModem on Mac)
3. Scan Dot Matrix code below to test reader



4. If test window is showing content: ChromaChecker CC-2D: click the "Connect" button. Checking "connect automatically" checkbox will re-establish the connection in the future.



Manufactured in China for ChromaChecker Corp. USA  
ChromaChecker.com

# ChromaChecker™

## CC-2D



Quick User Manual (v1.1 01/2020)

### Connecting CC-2D to CC Capture

1. Launch CC Capture on your Mac or Windows PC
2. Plug your CC-2D into USB port.
3. Green Barcode Icon should indicate proper connection.

Done!

Options that affect the way CC Capture can be configured to work with the Bar code reader:

### Single Operator vs Multiple Operator Operations

Capture can be configured to work with a single press or operator, or multiple presses and multiple operator, this is configured in Capture Preferences. In multiple operator mode, Capture will not allow a measurement until the bar code reader is used and identifies the operate/press that the measurement is from. This allows each measurement to be attributed to an operator.

### Mode Manual/Automatic

When you select Automatic all measurement tasks can be selected/changed only by reading proper barcode - no manual operation is possible.

### Connect Automatically

CC Capture will detect and connect CC-2D automatically.

## USB Communication



USB HID-POS\*  
CC Capture auto-detect mode



Virtual serial port  
CC Capture manual connection mode



USB-KBW (!)  
Keyboard emulation mode.  
Does NOT work with CC Capture

## Reset



Restore default settings  
Restore can take few seconds to execute.

## Flashlight (Illuminator)



No lighting mode



Read light mode\*



Constant light mode

## Focus (red dot) light



No focus light



Read focus light\*



Constant focus light

## Beep



Low



Intermediate\*



High

## Reading Mode



Manual reading\*

## Hands-free Mode



Inductive reading

\* default settings  
(!) CC Capture incompatible mode - NOT recommended