



MNT Reform Camera

Dear MNT Customer,

thank you for purchasing the MNT Reform Camera, an open and customizable solution for HD video recording. We hope you will enjoy it.

Operation

The camera is designed for the MNT Reform open hardware laptop and includes a mounting clamp with a knurled screw that you can use to attach it to the top of the display housing. The camera can also be used with any other USB capable computer—it has a Type-C connector with USB 3.0 and 2.0 signals on the back.

The modular case is made from durable CNC milled, bead blasted, black anodized aluminum. The nylon clip-on grip allows the camera to rotate/tilt in 2 axes.

The U-shaped tilting mount has a UNC 1/4 inch thread, making it compatible with standard camera mounting equipment such as tripods.

As a standard USB Video Class Device, the MNT Reform Camera works with any operating system such as Linux, macOS and Windows and does not require special drivers.

The camera's standard sensor and 120 degree S-Mount lens are fixed-focus. To adjust the focus, carefully rotate the lens slightly in either direction.

Safety Instructions ⚠

- Device is not waterproof. Keep away from liquids.
- Do not open the case while device is plugged in.

Warranty

MNT Research covers the warranty to the extent required by law for the unmodified product and following the safety instructions. Warranty does not cover any modifications made to the product.



UNC 1/4" Thread

Mounting Clamp

Firmware and OSHW Sources

The original firmware source for the Cypress (now Infineon) CX3 chip targeting the OV5640 sensor is not strictly open source, but source-available. You can get a copy at <https://softwaretools.infineon.com/tools/com.ifx.tb.tool.ezusbf3sdk> after creating an account. There are also copies on GitHub, but we can't vouch for their legitimacy.

To enter bootloader mode, bridge the pads of unpopulated switch SW1.

Our hardware sources and our patches to the firmware are published at: <https://source.mnt.re/reform/reform-camera>



The product complies with the requirements of the European Directives and DIN standards:
EMC Directive 2014/30/EU, Low Voltage Directive 2014/35/EU
RoHS Directive 2011/65/EU, DIN EN 55022:2011-12
DIN EN 55024:2016-05, DIN EN 61000-6-1:2007
DIN EN 61000-6-3:2007/A1:2011/AC:2012
DIN EN 61000-3-2:2014, DIN EN 61000-3-3:2013



Get updates and source code at: mntre.com/reform

Need help? Join community.mnt.re or write to support@mntre.com

Join our IRC channel [#mnt-reform](https://irc.libera.chat) on: irc.libera.chat

