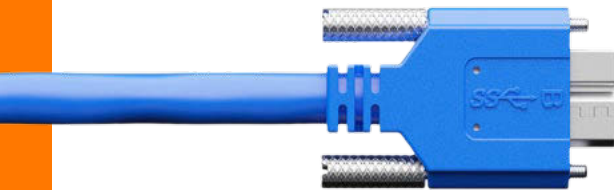


xiQ^[zy-kju:]

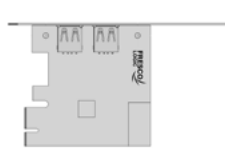
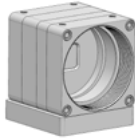
USB 3.0 cameras



Quick start guide

What's in the box

- xiQ camera with "T" bracket
- USB 3.0 PCIe card FRESKO Logic FL1009
- USB 3.0 cable



System requirements

- Windows 7, 32 or 64 bit with SP1
- Intel i3 or better
- 2GB RAM or more
- 200MB of free disk space
- one free PCIe x1-16x Gen 2 slot

i

Get drivers, application notes, examples, help and support at:

ximea.com/usb3zone

!

We strongly encourage you to use bundled USB 3.0 host adapter card. Shall you need to use other than bundled adapter, please ensure yourself it is compatible one. See the compatibility matrix at usb3zone.

1.

Install FL1009 USB3.0 PCIe host adapter card. Be sure to connect onboard power connector, providing extra power to the adapter.

2.

Download and install FRESKO Logic FL1009 USB3.0 host adapter card drivers.

3.

Download and install XIMEA camera installer.

4.

Connect xiQ camera, tighten thumb-screws locks. POWER and STATUS 2 (Super-Speed link active) indicators shall be steady lit.

5.

Start xiViewer. Image acquisition shall start immediately. Use mouse right-click to access camera menu.

Learn more

Please visit wiki section of usb3zone to learn more about installed demos and XIMEA API.

Thanks!

Digital Input

Opto-isolated input
low (off) level 0-5V
high (on) level 12-24V
max. input voltage 24V



GND
Common I/O ground

Digital Output

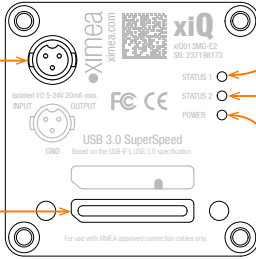
Opto-isolated, NPN open collector,
max. load 25mA, max. open voltage 24V

Digital I/O pinout (rear panel view)

LED indicators

function assignment configurable
via software

LED indicators



Digital I/O

opto-isolated input and output
mating connector:
Hirose P/N: SR38-4P-3P(71)

USB 3.0 micro type B connector

18mm spacing M2 locking screws

STATUS 1

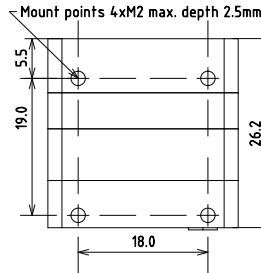
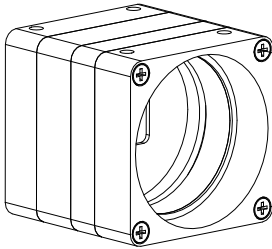
by default indicates pending exposure

STATUS 2

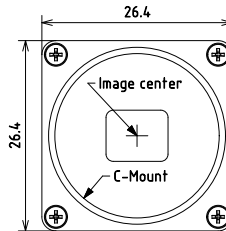
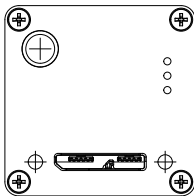
by default indicates SuperSpeed link active

POWER

by default indicates camera power present

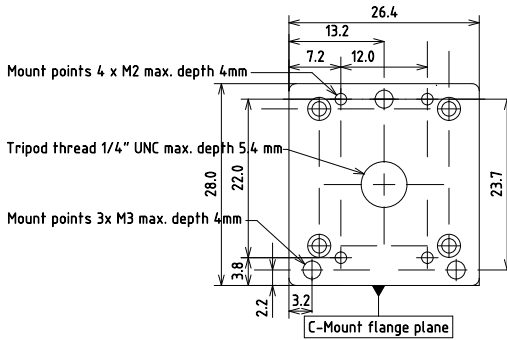


Dimensions



As supplied, xiQ camera is configured to have standard C-mount 1"×32TPI thread, back focal distance of 17.526mm There is no need to use additional adapters with standard C-mount lenses. Given size of the sensor requires 1/2" sensor compatible lens to avoid vignetting.

Optical



Mounting bracket model "T"

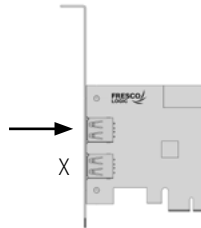
Mounting bracket is being supplied pre-assembled with the camera body. It is easily removable if needed by removing four M2 screws located on the bottom side of the mounting bracket.

Known issues:

S/N 132xxxxx, firmware C0.04-F1.30, API 3.2.9

#491 - Cold boot and restart with FL1009 host controller. Camera connected during cold boot or PC restart may not operate properly. Unplug and replug it again to workaround.

#492 - One port of Fresco Logic FL1009 is less reliable. Please use the port closer to angled end of bracket.



Troubleshooting

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