

# Switching Cameras to USB3 Vision Mode

The factory default setting of the communication protocol for all XIMEA USB3 cameras is the standard **XIMEA API Protocol**.

[The communication protocol of most xiQ cameras can be switched to USB3 Vision Protocol using the following guide:](#)

## How to Switch camera to USB3 Vision Mode

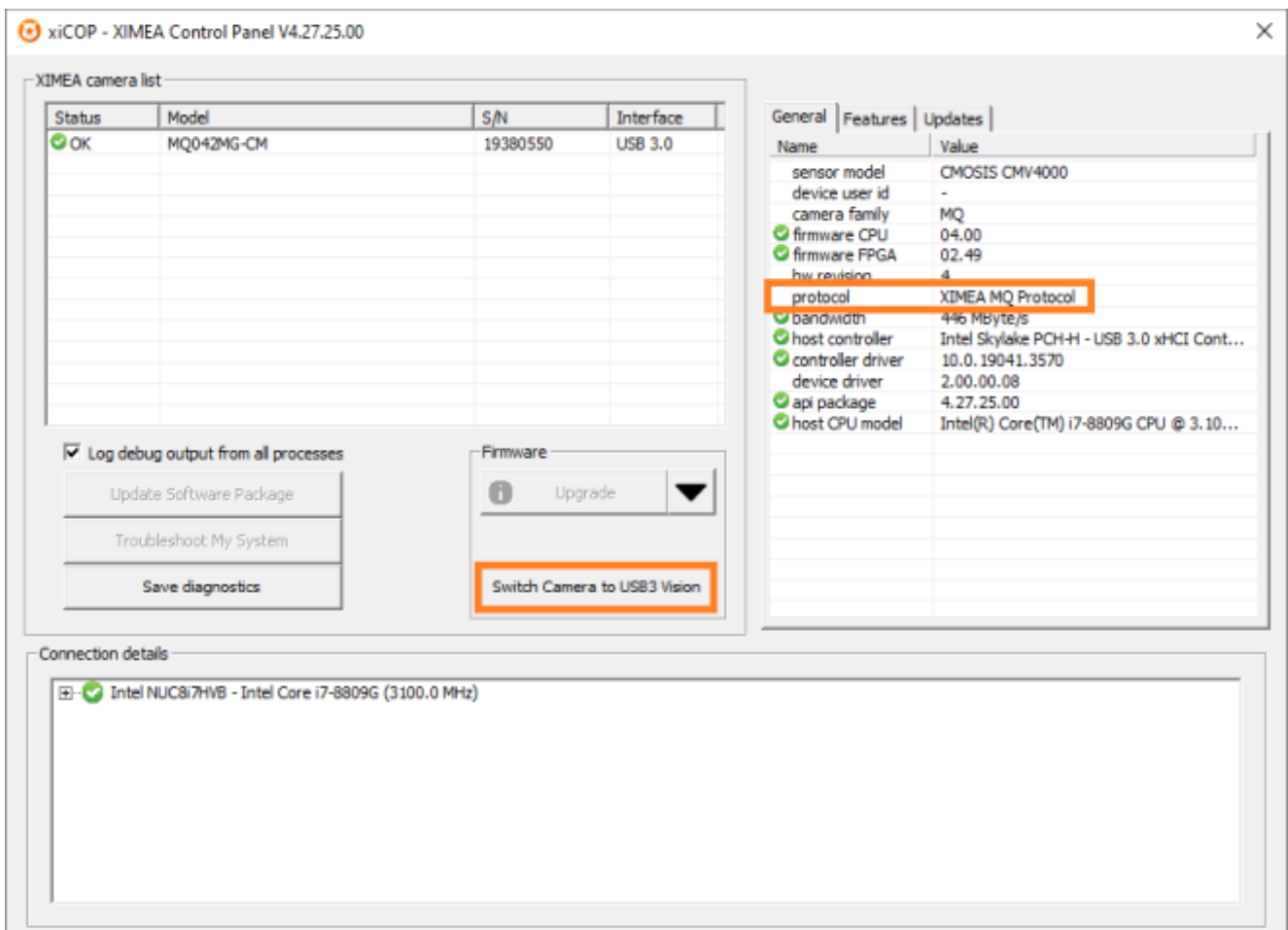
[Download and install the latest release of the XIMEA API Software Package](#)

[Connect camera to PC with Compatible Hardware](#)

[Download the latest release of xiCOP](#)

Start xiCOP

Click button **Switch camera to USB3 Vision** (Note, **hyperspectral cameras** can be switched to USB3 mode and back to XIMEA MQ Protocol only through **Command-line updater**)

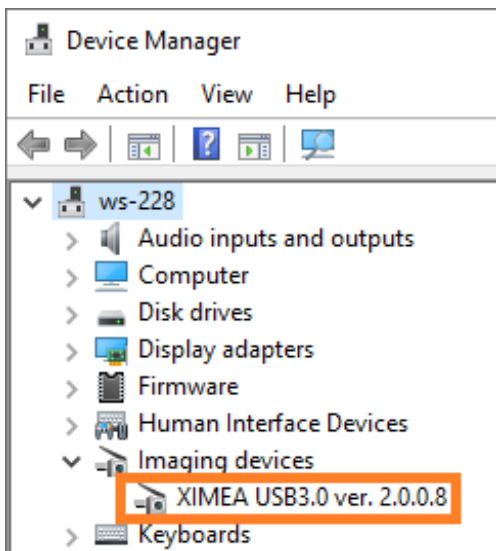


When the camera is switched to USB3 Vision Mode, it can operate with all USB3 Vision compliant applications (NI-MAX, MVTec-Halcon, etc.) without installing any other drivers.

## How to Switch camera back to XIMEA MQ Protocol

[Connect camera to PC with Compatible Hardware](#)

Ensure that the camera is associated with the **XIMEA USB3.0** driver.



\* If the camera is associated with another driver - [Download and install XIMEA API Software Package and update the driver to XIMEA USB3.0.](#)

\* In some applications (e.g. NI-MAX) it is possible to switch the driver to the **XIMEA USB3.0**

- [If not already installed, download the latest xiCOP](#)
  - Start xiCOP
  - Click button **Switch camera to XIMEA API**
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xiCOP - XIMEA Control Panel V4.27.25.00

XIMEA camera list

Status	Model	S/N	Interface
OK	MQ042MG-CM	19380550	USB 3.0

Log debug output from all processes

Update Software Package

Troubleshoot My System

Save diagnostics

Firmware

Upgrade

Switch Camera to XIMEA API

General | Features | Updates

Name	Value
sensor model	CMOSIS CMV4000
camera family	MQ
firmware CPU	04.00
firmware FPGA2	10.49
manifest I13V	03.35.01
protocol	USB3 Vision Protocol
bandwidth	Failed to measure.
host controller	Intel Skylake PCH-H - USB 3.0 xHCI Cont...
controller driver	10.0.19041.3570
device driver	2.00.08
api package	4.27.25.00
host CPU model	Intel(R) Core(TM) i7-8809G CPU @ 3.10...

Connection details

Intel NUC8i7HVB - Intel Core i7-8809G (3100.0 MHz)

If there are any questions or issues, please let us [KNOW](#).





