

# How to use DM software with PointGrey cameras

 Applicable to DM 1.0-Beta14 or above

To use DM software with PointGrey cameras, you'll need to update MicroscopeDrivers.ini in DM distribution.

Remove each cameras section in the MicroscopeDrivers.ini configuration file.

Also you should create CamerasConfiguration.xml file for for setting cameras parameters. An example of this below:

CamerasConfig.xml

```
<?xml version="1.0" encoding="utf-8"?>
<hardware>
  <video>
    <left>
      <version options="hardware.PointGrey">PointGrey</version>
      <serial>16069293</serial> <!-- correct it -->
    </left>
    <right>
      <version options="hardware.PointGrey">PointGrey</version>
      <serial>16069151</serial> <!-- correct it -->
    </right>
  </video>
  <PointGrey>
    <ovd.timeout>1</ovd.timeout>
    <ovd.bufferCount>10</ovd.bufferCount>
    <flipHorizontal>0</flipHorizontal>
    <flipVertical>0</flipVertical>
    <mode>7</mode>
    <pixelFormat>RAW16</pixelFormat>
    <colorProcessing>HQLinear</colorProcessing>
    <ExposureValue>0</ExposureValue>
    <Brightness>0</Brightness>
    <ovd.whitebalance.auto>0</ovd.whitebalance.auto>
    <FrameRate.on>0</FrameRate.on>
    <Shutter.auto>0</Shutter.auto>
    <Gain.auto>0</Gain.auto>
    <Gain>0</Gain>
    <Shutter>1.5</Shutter>
    <Trigger.on>1</Trigger.on>
    <Trigger.source>0</Trigger.source>
    <Trigger.mode>14</Trigger.mode>
    <Trigger.polarityHigh>1</Trigger.polarityHigh>
    <PowerOffOnDisconnect>0</PowerOffOnDisconnect>
    <normalizeBits>0</normalizeBits>
  </PointGrey>
</hardware>
```

Please don't forget to set **serial** for your cameras.