GenICam VsxProtocolDriverGenTL Package

Supported devices:
- SmartRunner 3-D (TOF & STEREO)
- SmartRunner (2-D)

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GenICam VsxProtocolDriverGenTL Package

Overview

Installation

Driver package

HALCON

Verification information

SmartRunner Explorer 3-D Time-of-Flight und Stereo   SmartRunner Explorer

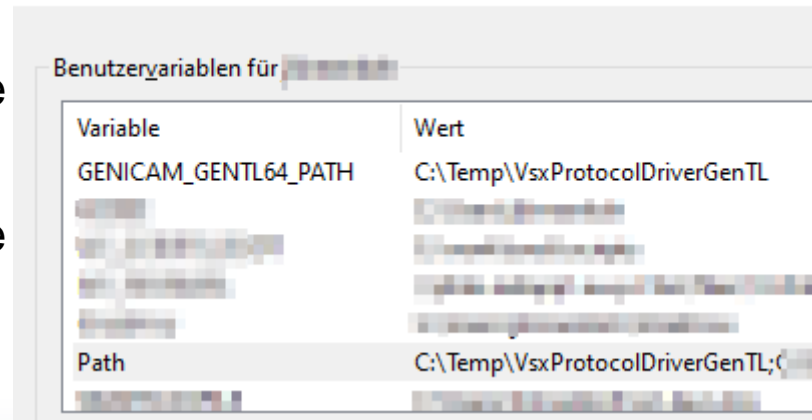Your automation, our passion.

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1. **Unzip the VsxProtocolDriverGenTL-<version>.zip to a convenient path**
   - E.g.: C:\Temp\VsxProtocolDriverGenTL

2. **Install the package „2015-2022 Redistributable"**
   - https://learn.microsoft.com/en-us/cpp/windows/latest-supported-vc-redist?view=msvc-170

3. **Install the package „.NET Runtime >=6.0.26" (Windows x64)**
   - https://dotnet.microsoft.com/en-us/download/dotnet/6.0

4. **Adjust Windows environment variables:**
   - Append your path (e.g. C:\Temp\VsxProtocolDriverGenTL) to user variable „Path" (so that the P+F driver is found)
   - Append your path (e.g. C:\Temp\VsxProtocolDriverGenTL) to user variable „GENICAM_GENTL64_PATH" (so that HALCON finds the driver)

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Content of the driver package

BouncyCastle.Crypto.dll
GENICAM_BETA_HALCON_EXAMPLE.hdev ⟶ **HALCON example program**
K4os.Compression.LZ4.dll
K4os.Compression.LZ4.Streams.dll
K4os.Hash.xxHash.dll
Microsoft.Win32.SystemEvents.dll
Newtonsoft.Json.dll
PF.VsxProtocolDriver.Communication.Vsx.dll
PF.VsxProtocolDriver.dll
PF.VsxProtocolDriver.Internal.Types.dll
PF.VsxProtocolDriver.PxvPlugin.dll
PF.VsxProtocolDriver.Types.dll
PF.VsxProtocolDriver.VsxFactory.dll
PF.VsxProtocolDriver.Wrapper.deps.json
PF.VsxProtocolDriver.Wrapper.dll
PF.VsxProtocolDriver.Wrapper.pdb
PF.VsxProtocolDriver.Wrapper.runtimeconfig.json
PF.VsxProtocolDriver.Wrapper.xml
PF.VsxProtocolDriver.WrapperNE.dll
PF.VsxProtocolDriver.WrapperNE.lib
RJCP.SerialPortStream.dll
System.Drawing.Common.dll
System.IO.Packaging.dll
System.IO.Pipelines.dll
System.IO.Ports.dll
VsxProtocolDriverGenTL.cti ⟶ **GenICam - Driver**
VsxProtocolDriverGenTL.exp
VsxProtocolDriverGenTL.lib

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HALCON

1. Use HALCON example
2. Or use HALCON image acquisition assistant

Verification information

1. This BETA driver package has been tested with following sensors:
   1. SmartRunner Explorer 3-D TOF (VTE)
   2. SmartRunner Explorer 3-D Stereo (VSE)
   3. SmartRunner Explorer (VLE)
2. The HALCON-HDevelop 22.11 Steady and 20.11 Steady was used as a test environment.

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