

A tour through Vimba

For developers

As of September 2017

The Vimba logo, consisting of the word "vimba" in a stylized, red, lowercase font. The letters are bold and have a unique, geometric design.

Vimba – the right choice for all applications

Vimba is the powerful **GenICam-based SDK** for cameras from Allied Vision.

Vimba lets you program in **C, C++, or .NET**.

You can also use your camera with your favorite software.



vimba

► Program Files ► Allied Vision ► Vimba_2.1

Name

- Adapters
- Documentation
- ThirdParty
- Tools
- Vimba1394TL
- VimbaC
- VimbaCLConfigTL
- VimbaCPP
- VimbaGigETL
- VimbalmageTransform
- VimbaNET
- VimbaUSBTL

Depending on the OS and selected installation options, different items are available.

To quickly access Vimba's components, navigate to the Allied Vision Vimba program folder:

Program Files -> Allied Vision -> Vimba_x.x



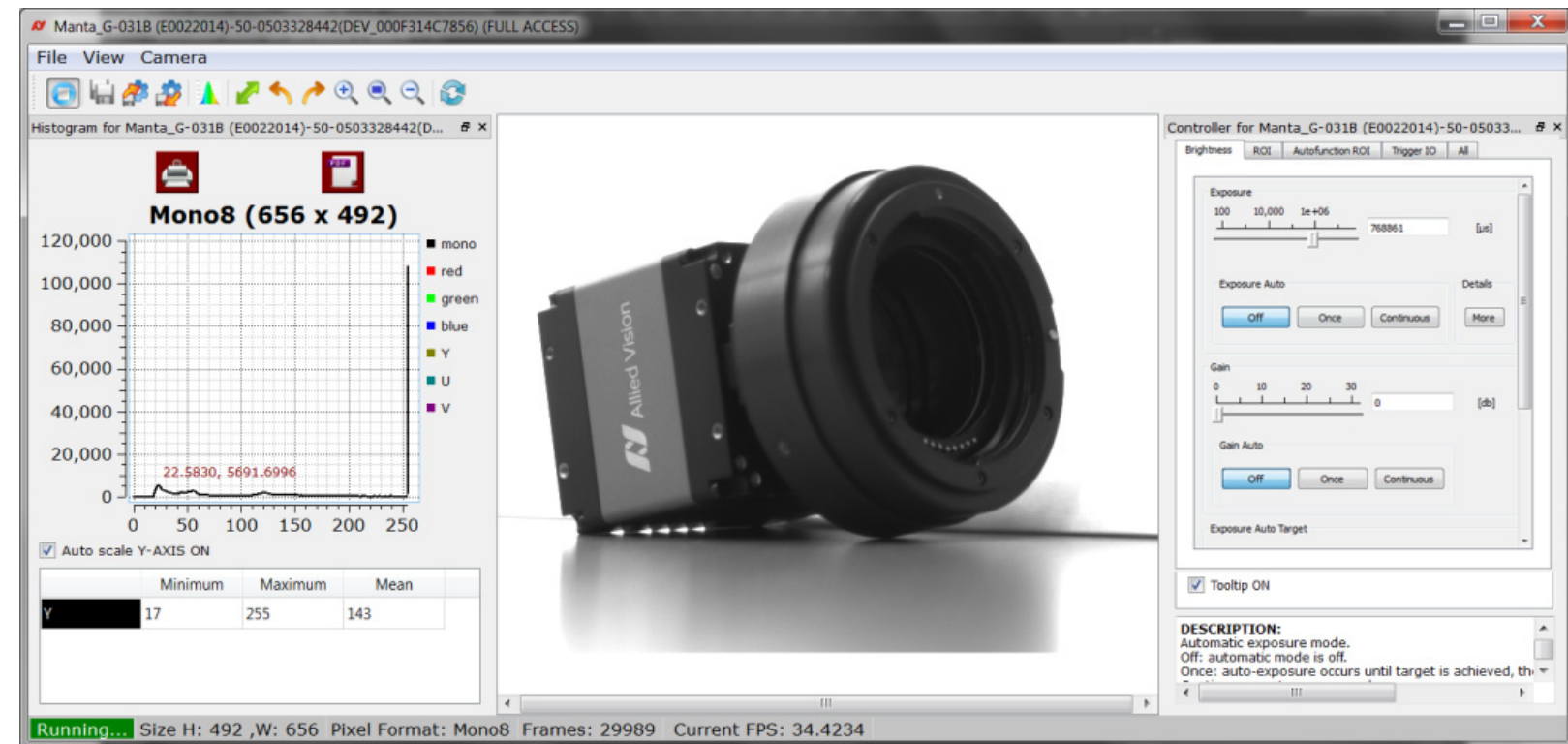
vimba

Program Files > Allied Vision > Vimba_2.1 > Tools

Name

- ClassGenerator
- DriverInstaller
- FirmwareUpdater
- Viewer

A good way to start exploring your camera is the **Vimba Viewer**.



vimba

Program Files > Allied Vision > Vimba_2.1 > Documentation

Name

ReleaseNotes.txt

Vimba Manual.pdf

Vimba Quickstart Guide.pdf

Vimba Tour.pdf

Vimba Viewer Guide.pdf

The **Vimba Quickstart Guide** is the perfect starting point for our comprehensive documentation.

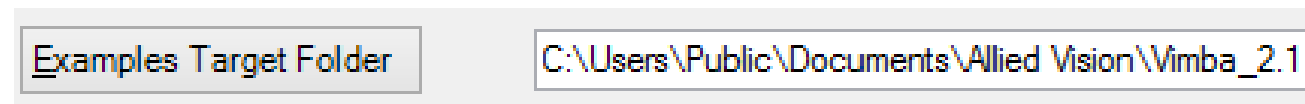
Reading order	Component	Documentation	x = necessary / o = optional						
			C	C++	.NET	IEEE 1394	GigE	USB	CL
1	Vimba	Vimba Manual.pdf	x	x	x				
2	Vimba C API	Vimba C Manual.pdf	x						
	Vimba C++ API	Vimba CPP Manual.pdf		x					
	Vimba .NET API	Vimba NET Manual.pdf			x				
3	Camera Features	Vimba1394TLFeaturesManual.pdf				x			
		GigE_Features_References.pdf					x		
		USB_Features_Reference.pdf						x	
		Goldeye_Features_Reference.pdf							x
5	Vimba Image Transform Library	Vimba ImageTransform Manual.pdf	o	o					
6	Transport Layer	Vimba1394TLFeaturesManual.pdf				o			
		VimbaGigETLFeaturesManual.pdf					o		
		VimbaUSBTLFeaturesManual.pdf						o	
		VimbaCLConfigTLFeaturesManual.pdf							o

Table 1: Manuals for the developer

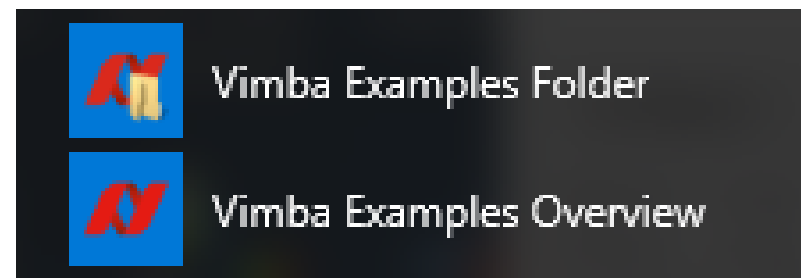
Windows only

VIMBA

Find programming examples in the folder you selected during the Vimba installation, e.g.:



Windows users can also find them in the apps overview.



C	C++	.NET
<p>Examples</p> <ul style="list-style-type: none"> ListCameras ListFeatures SynchronousGrab ActionCommands AsynchronousGrab ListAncillaryDataFeatures SerialIO <p>Helpers</p> <ul style="list-style-type: none"> LoadSaveSettings ForcelP 	<p>Examples</p> <ul style="list-style-type: none"> ListCameras ActionCommands ListFeatures SynchronousGrab AsynchronousGrab AsynchronousOpenCVRecorder ListAncillaryDataFeatures SerialIO CameraFactory EventHandling VimbaViewer <p>Helpers</p> <ul style="list-style-type: none"> BandwidthHelper LoadSaveSettings UserSet LookUpTable ShadingData 	<p>Examples</p> <ul style="list-style-type: none"> ListCameras ActionCommands ListFeatures SynchronousGrab AsynchronousGrab ListAncillaryDataFeatures CameraFactory <p>Helpers</p> <ul style="list-style-type: none"> BandwidthHelper LoadSaveSettings UserSet LookUpTable ShadingData

Vimba Examples Overview

Vimba




GEN*<i>*CAM

Do you use a GenICam-compliant **third-party software**?

It will automatically find and connect with Vimba's transport layers.

▶ Program Files ▶ Allied Vision ▶ Vimba_2.1 ▶ VimbaGigETL ▶ Documentation

Name

-  GigE_Features_Reference.pdf
-  ReleaseNotes.txt
-  VimbaGigETLFeaturesManual.pdf



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More information

More questions?
Our staff is more than happy to assist you.

www.alliedvision.com/contact

Enjoy working with Vimba!



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