

A tour through Vimba

For developers



vimba

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++, .NET, or Python**.

You can also use your camera with your favorite software.



GEN*<i>*CAM

vimba

Program Files > Allied Vision > Vimba_x.x

Name

- Adapters
- Documentation
- ThirdParty
- Tools
- Vimba1394TL
- VimbaC
- VimbaCLConfigTL
- VimbaCPP
- VimbaGigETL
- VimbalImageTransform
- VimbaNET
- VimbaPython
- 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

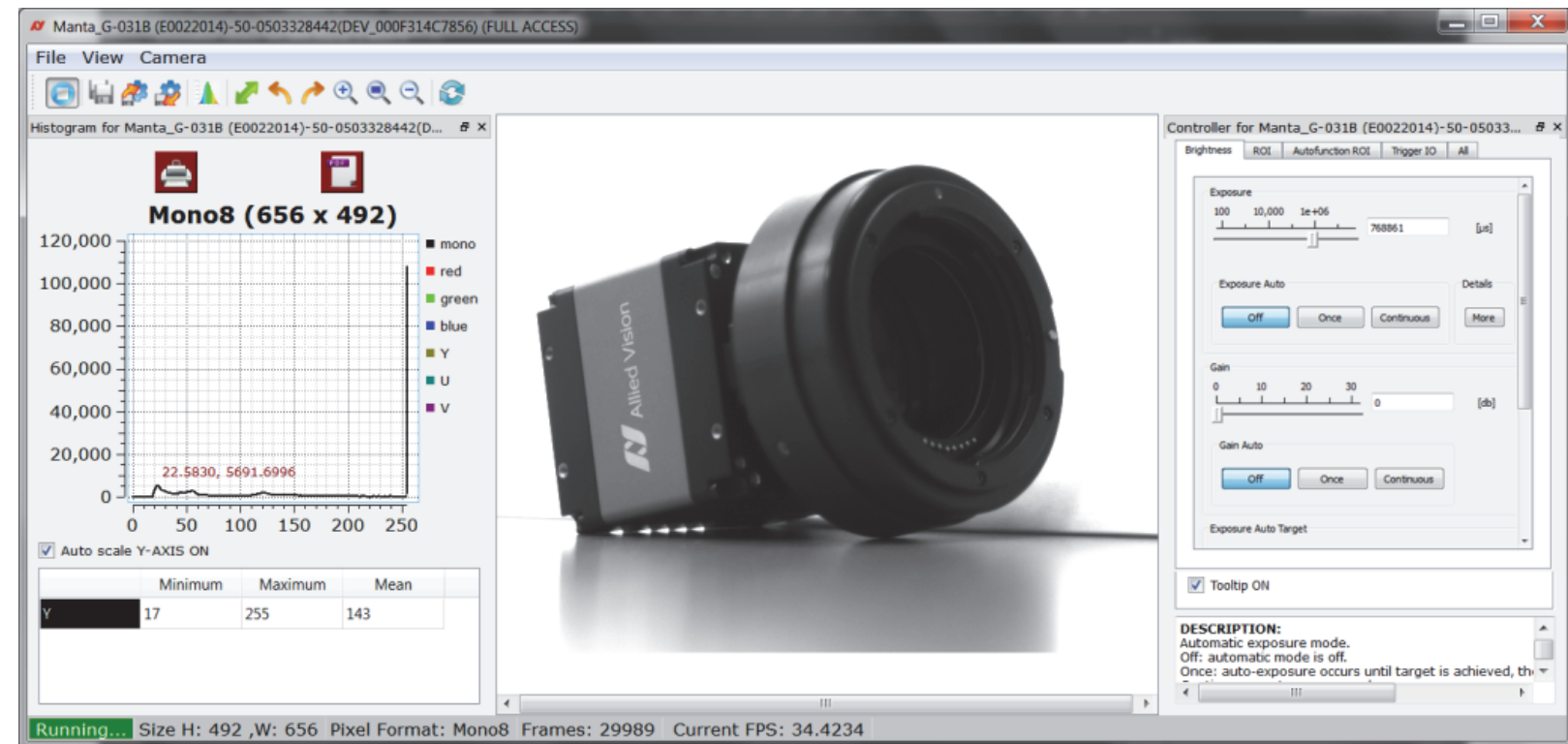


Program Files > Allied Vision > Vimba_x.x > Tools

Name

- ClassGenerator
- DriverInstaller
- FirmwareUpdater
- Viewer**


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





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Program Files > Allied Vision > Vimba_x.x > Documentation


Name


 open-source-licenses.txt

 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	Python	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					
	Vimba Python API	Vimba Python Manual.pdf				x				
3	Camera Features	Vimba1394TLFeaturesManual.pdf					x			
		GigE_Features_References.pdf						x		
		USB_Features_Reference.pdf							x	
		Goldeye_Features_Reference.pdf								x
4	Vimba Features	Vimba Manual.pdf	x	x	x	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

(C:) OS > Users > Public > Public Documents > Allied Vision

Name

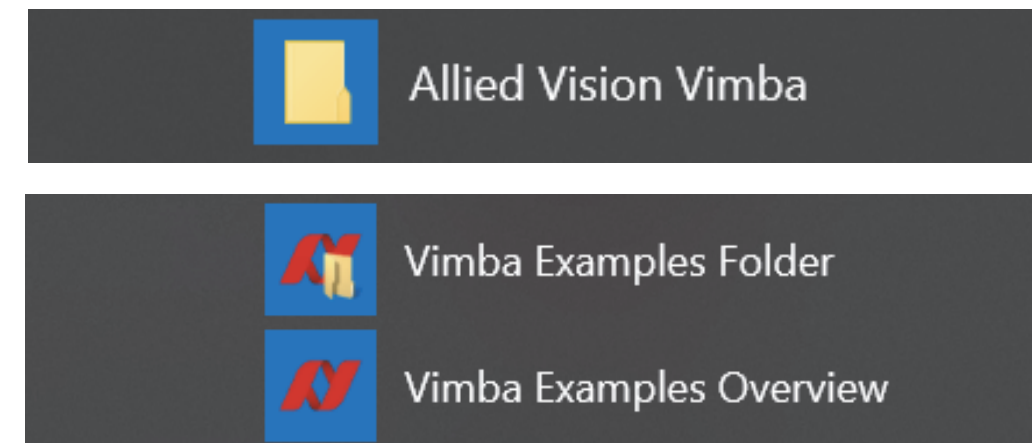
 Vimba_x.x

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

Examples Target Folder

C:\Users\Public\Documents\Allied Vision\Vimba_x.x

Windows users can also find the examples in the apps list.



Finding examples in the apps list

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_x.x > VimbaGigETL > Documentation

Name

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



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More information

More questions?
Our staff is happy to assist you.

www.alliedvision.com

Enjoy working with Vimba!



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