

A tour through Vimba

For developers

As of September 2015

Watch the Vimba tour as a video:
www.alliedvision.com/software



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++, or .NET**.

You can also use your camera with your favorite software.



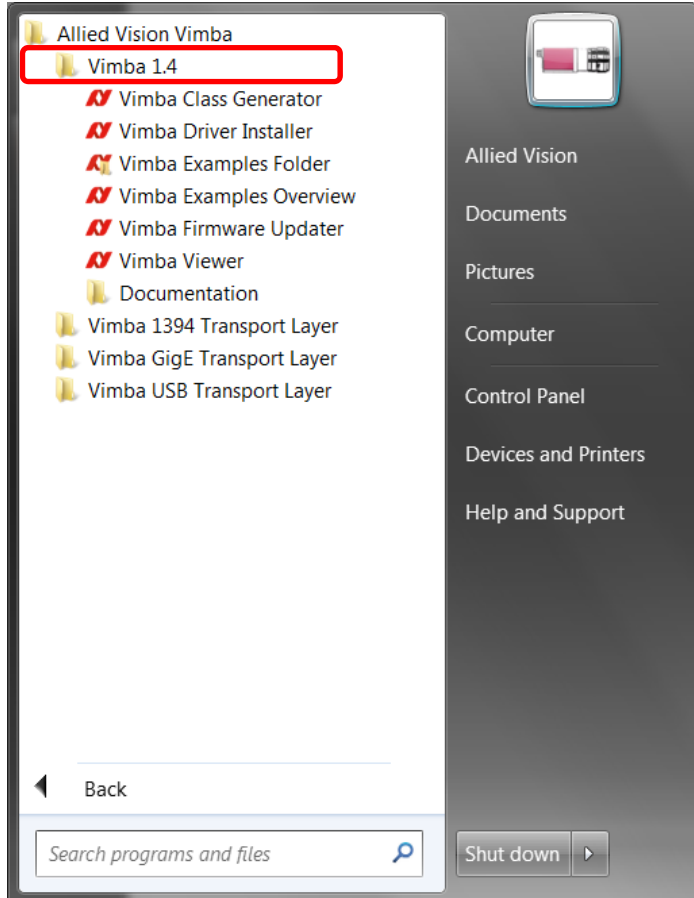
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Vimba's components

The next pages show you a quick overview of Vimba's components.



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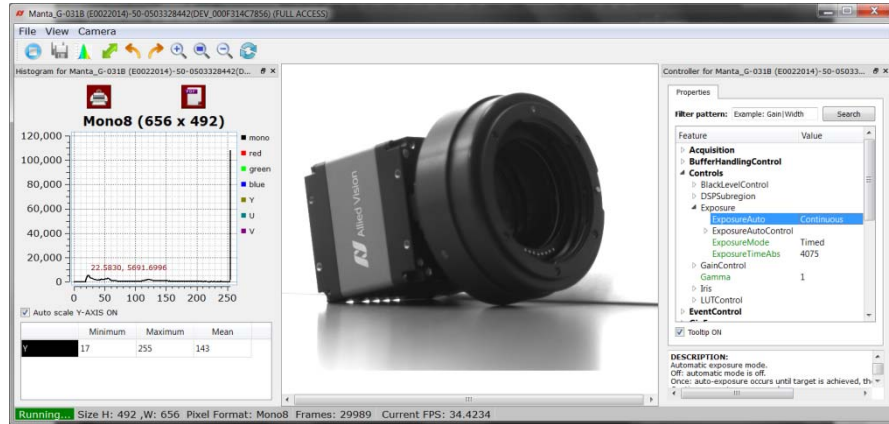
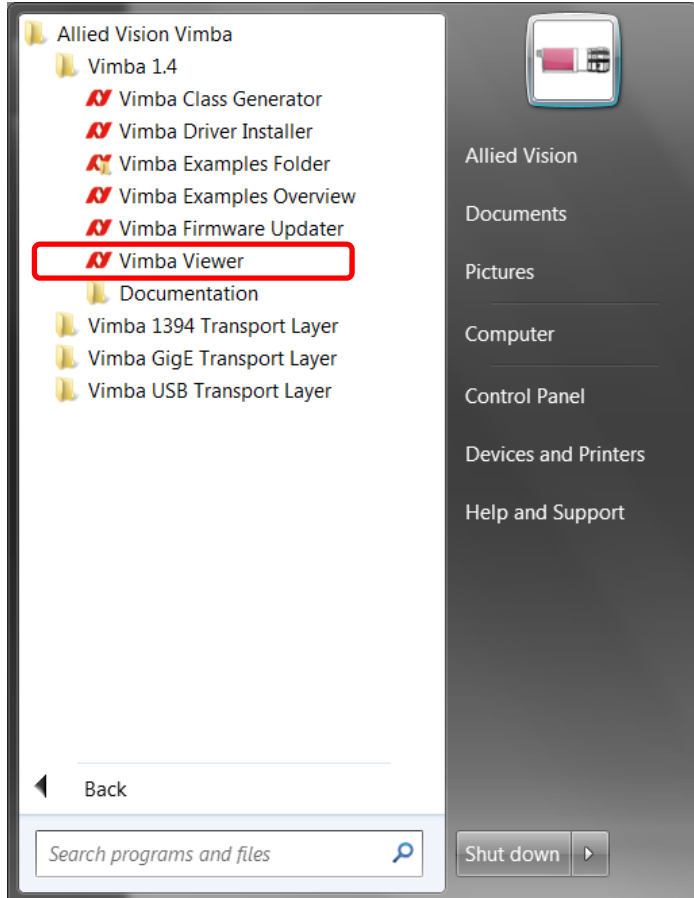
To quickly access Vimba's components, navigate to the Allied Vision Vimba program folder:

Start -> All Programs -> Allied Vision Vimba

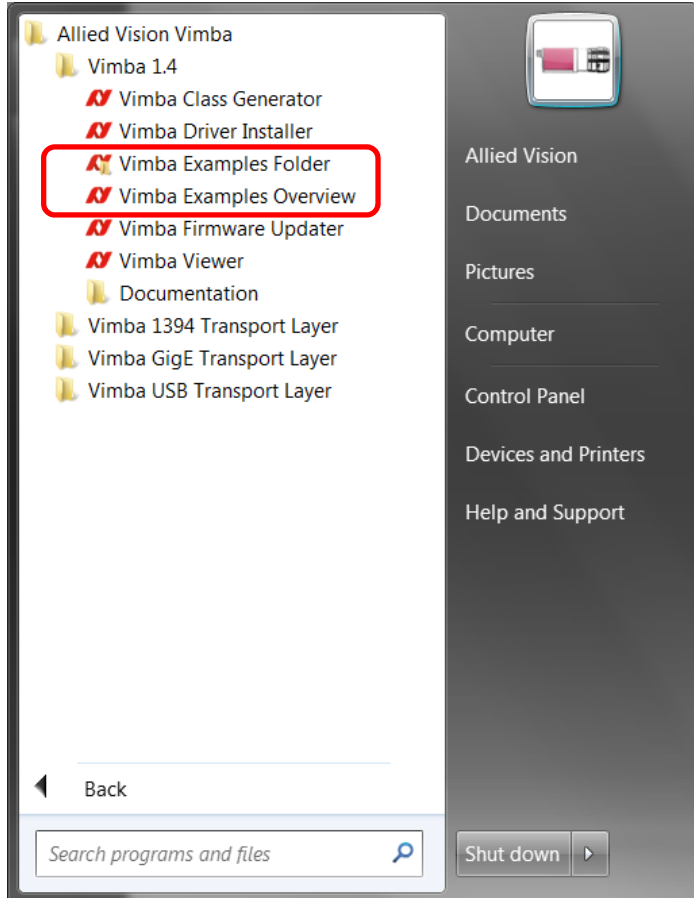


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A good way to start exploring your camera is the
Vimba Viewer.



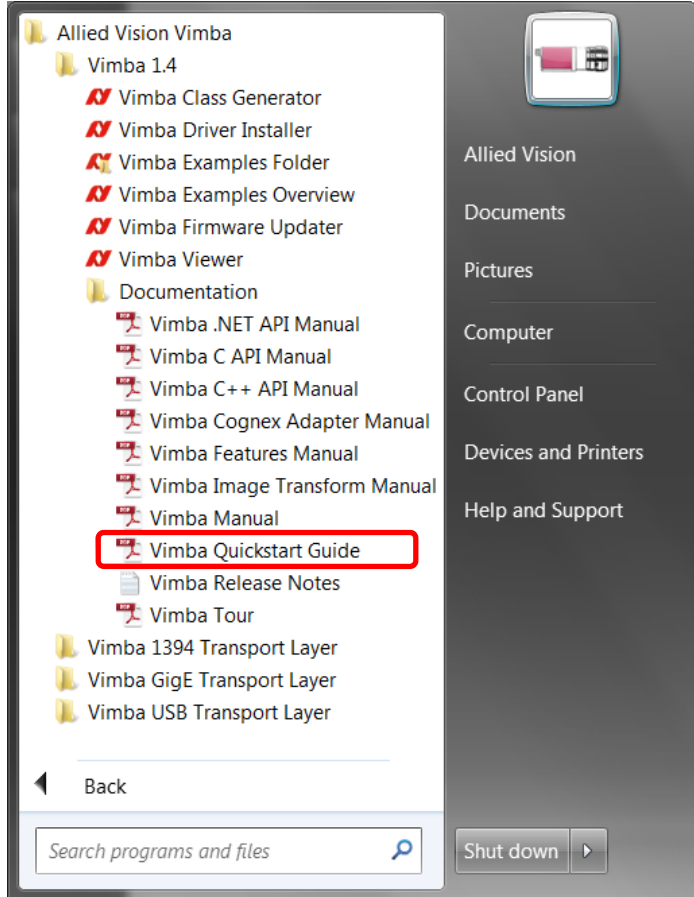
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Or try out one of the many **programming examples**.

C	C++	.NET
<p>Examples</p> <ul style="list-style-type: none">ListCamerasListFeaturesSynchronousGrabAsynchronousGrabListAncillaryDataFeaturesSerialIO <p>Helpers</p> <ul style="list-style-type: none">ForceIP	<p>Examples</p> <ul style="list-style-type: none">ListCamerasListFeaturesSynchronousGrabAsynchronousGrabAsynchronousRecordListAncillaryDataFeaturesSerialIOCameraFactoryEventHandlingVimbaViewer <p>Helpers</p> <ul style="list-style-type: none">BandwidthHelperLoadSaveSettingsUserSetLookUpTableShadingData	<p>Examples</p> <ul style="list-style-type: none">ListCamerasListFeaturesSynchronousGrabAsynchronousGrabListAncillaryDataFeaturesCameraFactory <p>Helpers</p> <ul style="list-style-type: none">BandwidthHelperLoadSaveSettingsUserSetLookUpTableShadingData

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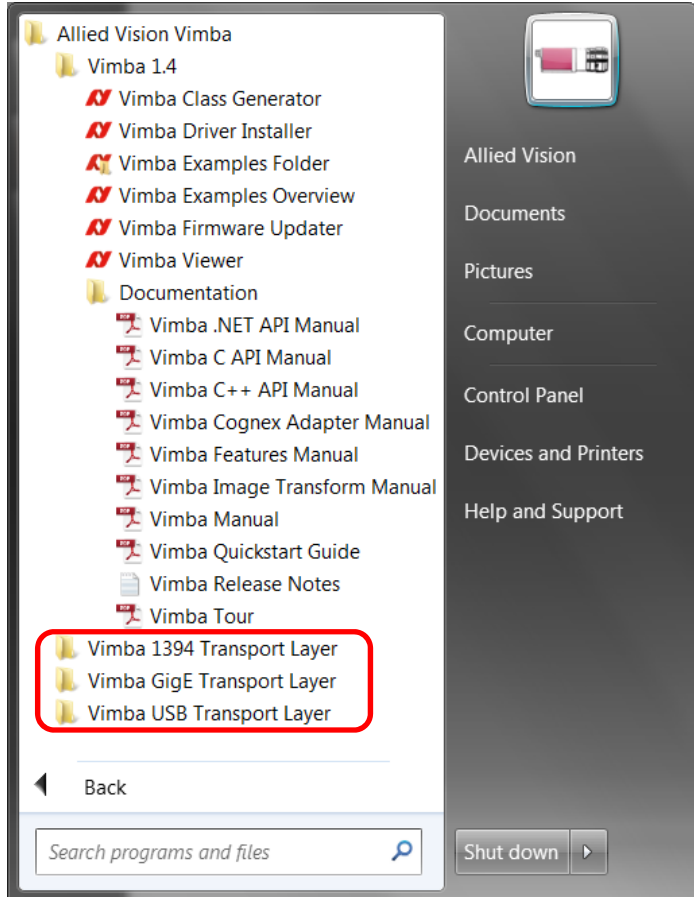
The **Vimba Quickstart Guide** is the perfect starting point for our comprehensive documentation.

Reading order	Component	Documentation	x = necessary / o = optional					
			C	C++	.NET	IEEE 1394	GigE	USB
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_Reference.pdf					x	
		USB_Features_Reference.pdf						x
4	Vimba Features	Vimba Features Manual.pdf	x	x	x			
5	Vimba Image Transform Library	Vimba ImageTransform Manual.pdf	o	o				
6	Transport Layer	Vimba1394TLFeaturesManual.pdf				o		
		VimbaGigETLFeaturesManual.pdf					o	
		VimbaUSBTlFeaturesManual						o

Table 1: Manuals for the developer

 Windows only





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

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



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Further information

Do you have any more questions?
Our staff is more than happy to assist you.

www.alliedvision.com/contact

Enjoy working with Vimba!



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