

# A tour through Vimba

For developers

As of February 2016

Watch the Vimba tour as a video:

<https://www.youtube.com/user/AlliedVisionTV>

<http://i.youku.com/u/UNTc1NjUyMzQ0>

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

# Vimba's components

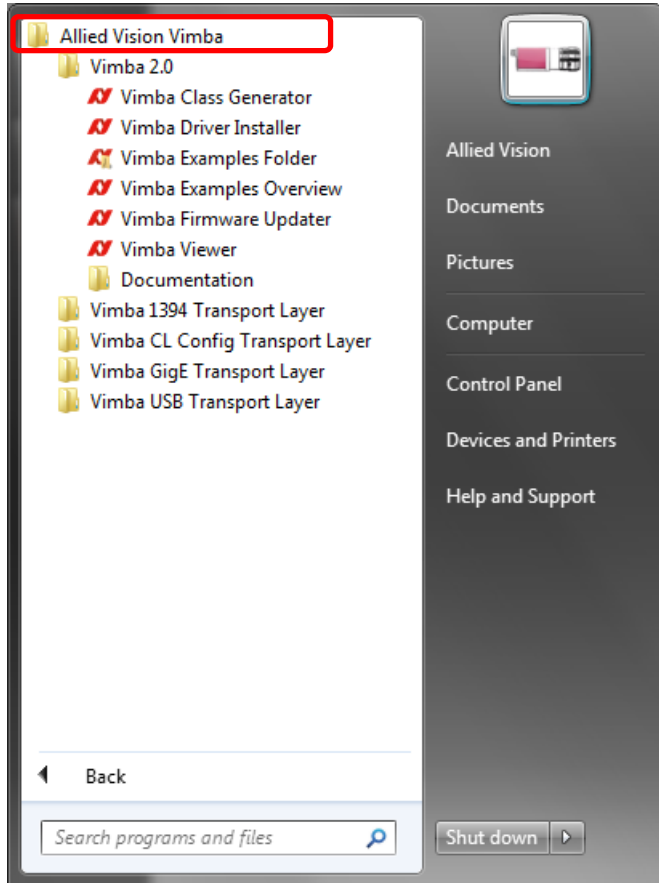
The next pages show you a quick overview of Vimba's components.



**GEN< i >CAM**



**vimba**

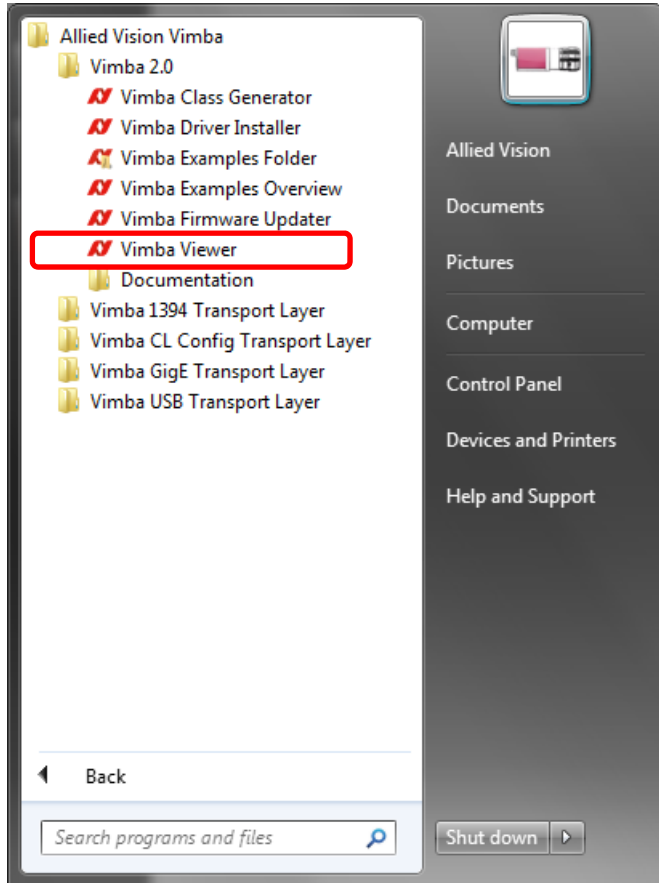


To quickly access Vimba's components, navigate to the Allied Vision Vimba program folder:

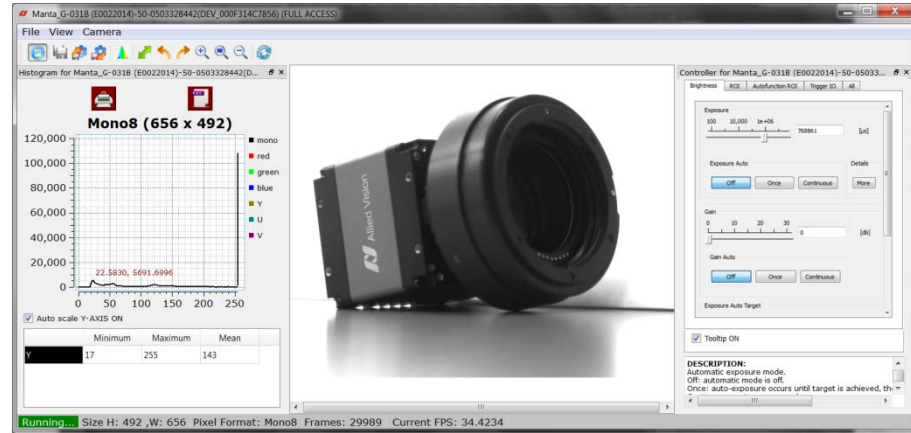
**Start -> All Programs -> Allied Vision Vimba**



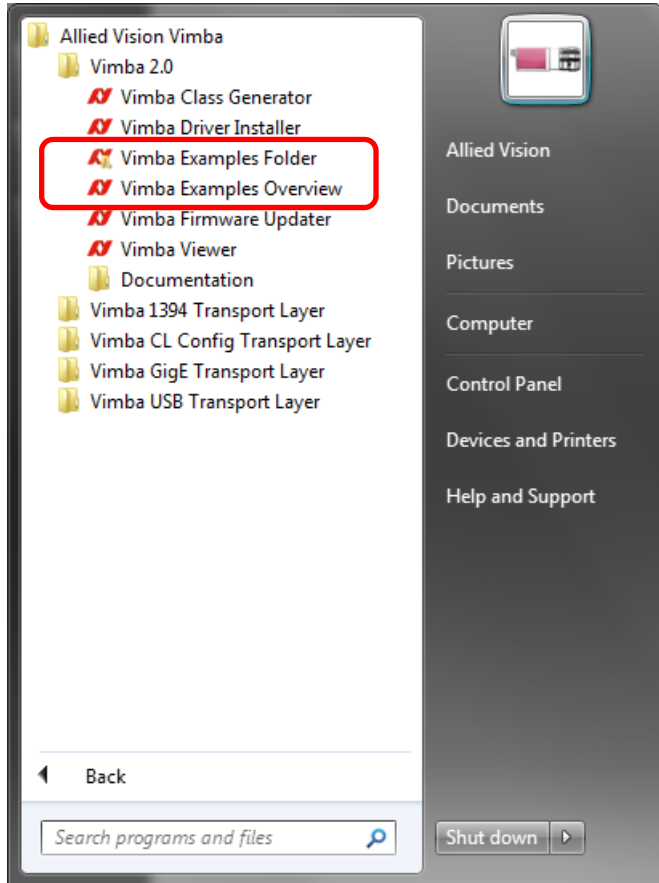
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A good way to start exploring your camera is the **Vimba Viewer**.



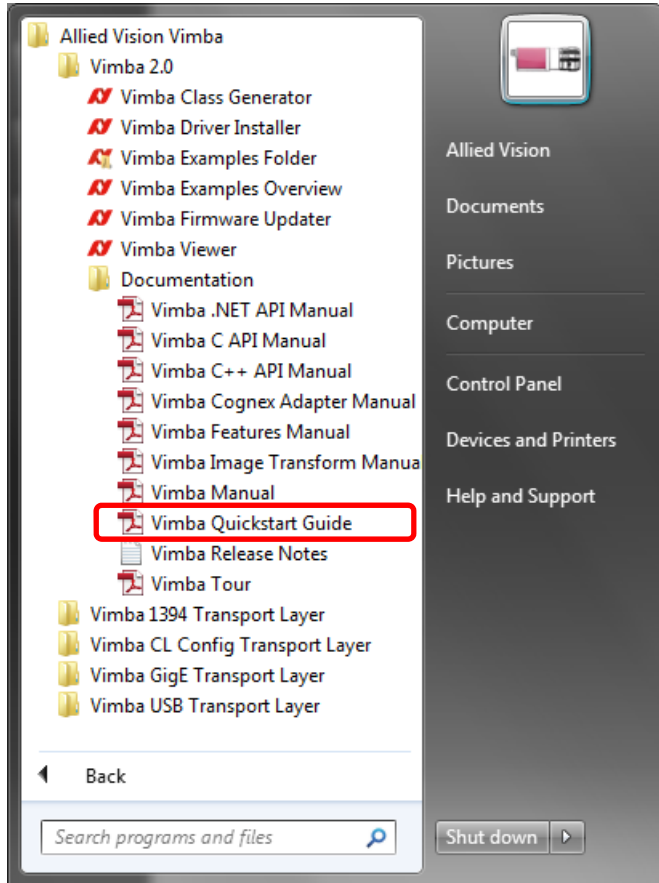
# vimba



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

C	C++	.NET
<p>Examples</p> <ul style="list-style-type: none"><li><a href="#">ListCameras</a></li><li><a href="#">ListFeatures</a></li><li><a href="#">SynchronousGrab</a></li><li><a href="#">AsynchronousGrab</a></li><li><a href="#">ListAncillaryDataFeatures</a></li><li><a href="#">SerialIO</a></li></ul> <p>Helpers</p> <ul style="list-style-type: none"><li><a href="#">ForceIP</a></li></ul>	<p>Examples</p> <ul style="list-style-type: none"><li><a href="#">ListCameras</a></li><li><a href="#">ListFeatures</a></li><li><a href="#">SynchronousGrab</a></li><li><a href="#">AsynchronousGrab</a></li><li><a href="#">AsynchronousRecord</a></li><li><a href="#">ListAncillaryDataFeatures</a></li><li><a href="#">SerialIO</a></li><li><a href="#">CameraFactory</a></li><li><a href="#">EventHandling</a></li><li><a href="#">VimbaViewer</a></li></ul> <p>Helpers</p> <ul style="list-style-type: none"><li><a href="#">BandwidthHelper</a></li><li><a href="#">LoadSaveSettings</a></li><li><a href="#">UserSet</a></li><li><a href="#">LookUpTable</a></li><li><a href="#">ShadingData</a></li></ul>	<p>Examples</p> <ul style="list-style-type: none"><li><a href="#">ListCameras</a></li><li><a href="#">ListFeatures</a></li><li><a href="#">SynchronousGrab</a></li><li><a href="#">AsynchronousGrab</a></li><li><a href="#">ListAncillaryDataFeatures</a></li><li><a href="#">CameraFactory</a></li></ul> <p>Helpers</p> <ul style="list-style-type: none"><li><a href="#">BandwidthHelper</a></li><li><a href="#">LoadSaveSettings</a></li><li><a href="#">UserSet</a></li><li><a href="#">LookUpTable</a></li><li><a href="#">ShadingData</a></li></ul>


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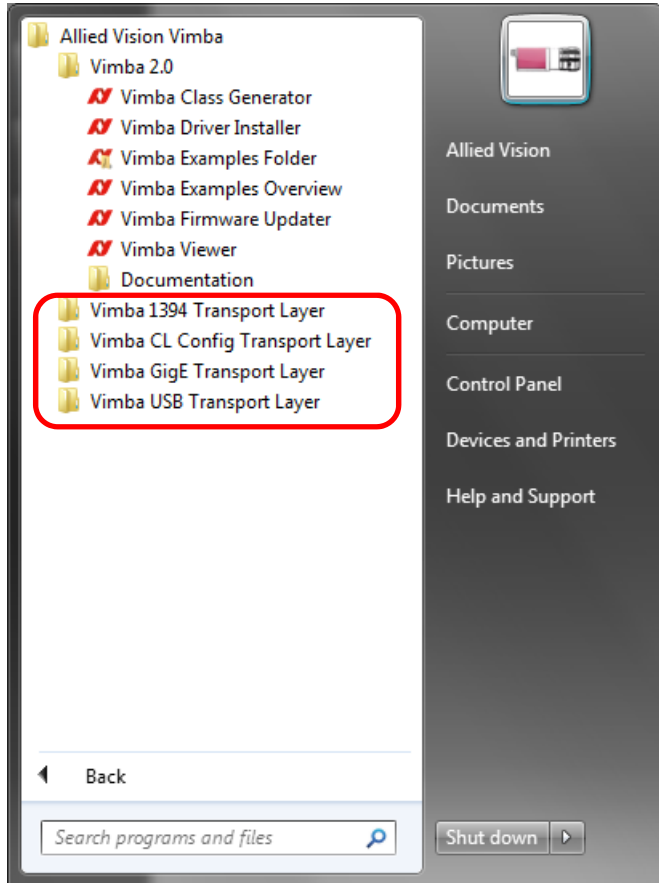
The **Vimba Quickstart Guide** is the perfect starting point for our comprehensive documentation.

Reading order	Component	Documentation	x = necessary / o = optional						
			C	C++	.NET	IEEE 1394	GigE	USB	CL
1	Vimba	<a href="#">Vimba Manual.pdf</a>	x	x	x				
2	Vimba C API	<a href="#">Vimba C Manual.pdf</a>	x						
	Vimba C++ API	<a href="#">Vimba CPP Manual.pdf</a>		x					
	Vimba .NET API	<a href="#">Vimba NET Manual.pdf</a>			x				
3	Camera Features	<a href="#">Vimba1394TLFeaturesManual.pdf</a>				x			
		<a href="#">GigE_Features_References.pdf</a>					x		
		<a href="#">USB_Features_Reference.pdf</a>						x	
		<a href="#">Goldeye_Features_Reference.pdf</a>							x
4	Vimba Features	<a href="#">Vimba Features Manual.pdf</a>	x	x	x				
5	Vimba Image Transform Library	<a href="#">Vimba ImageTransform Manual.pdf</a>	o	o					
6	Transport Layer	<a href="#">Vimba1394TLFeaturesManual.pdf</a>				o			
		<a href="#">VimbaGigETLFeaturesManual.pdf</a>					o		
		<a href="#">VimbaUSBTlFeaturesManual.pdf</a>						o	
		<a href="#">VimbaCLConfigTLFeaturesManual.pdf</a>							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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# More information

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

[www.alliedvision.com/contact](http://www.alliedvision.com/contact)

Enjoy working with Vimba!



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