**How to use the LC-MISDK in Labview**

(About the import .NET Class Library)



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**●Note this manual abbreciates product names as follows**

|  |  |
| --- | --- |
| Name Given inThis Manual | Official Name |
| Windows 7 | MicrosoftⓇ WindowsⓇ 7 Business Operating System |

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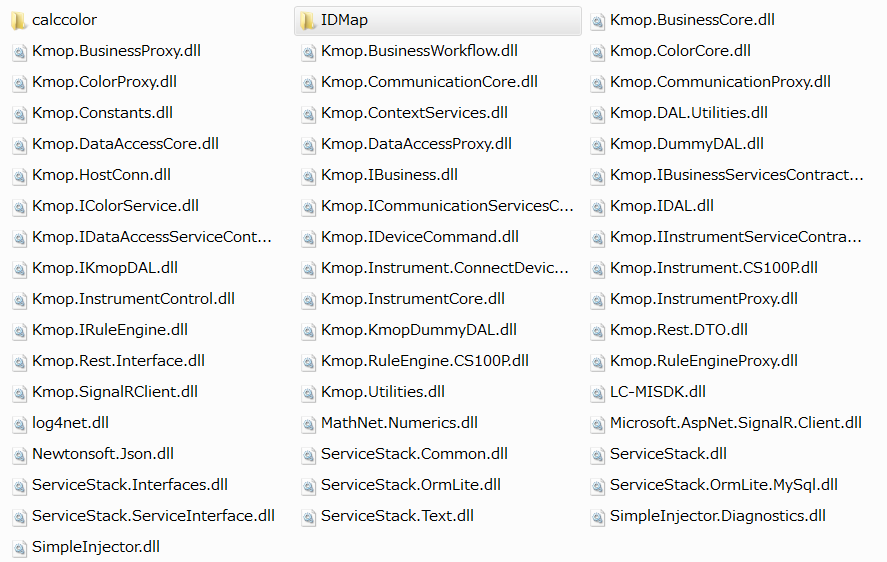
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# Introduction

This manual describes how to use the LC-MISDK in Labview.

# 1.　System Environment

When you execute vi, please copy 50 dll in the LC-MISDK\_LabVIEW folder and calccolor folder and IDMap folder to the same folder as [LabVIEW.exe] (C:\Program Files (x86)\National Instruments\LabVIEW 2015). When you execute exe, please copy it to the same folder as exe which you made.

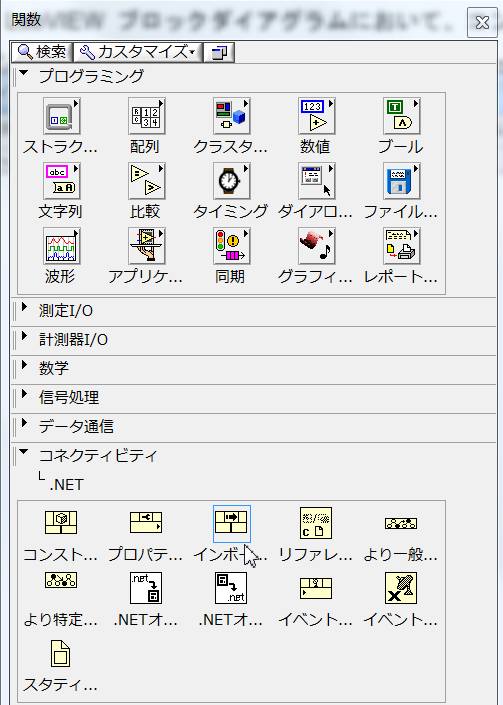


# 2.　How to use the LS-MISDK

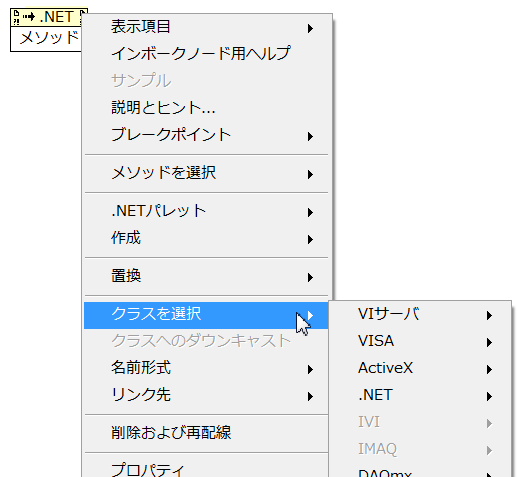
## 2.1　Generate instance

LC-MISDK is made by Singleton pattern. Therefore it cannot generate instance of SDK using a constructer node. This chapter mentions about method of the instance generation of the Singleton pattern class.

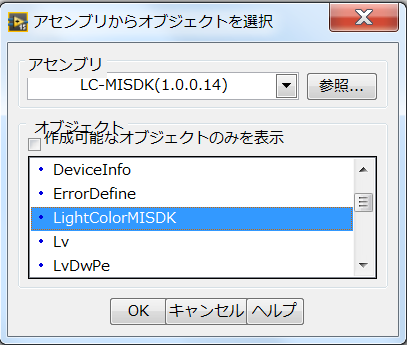
Select the [connectivity] → [.NET] → [Invoke Node] in a function dialogue, and place it in the block diagram.



Right-click of the [Invoke Node], and select [Select the class]→ [.NET] → [reference].



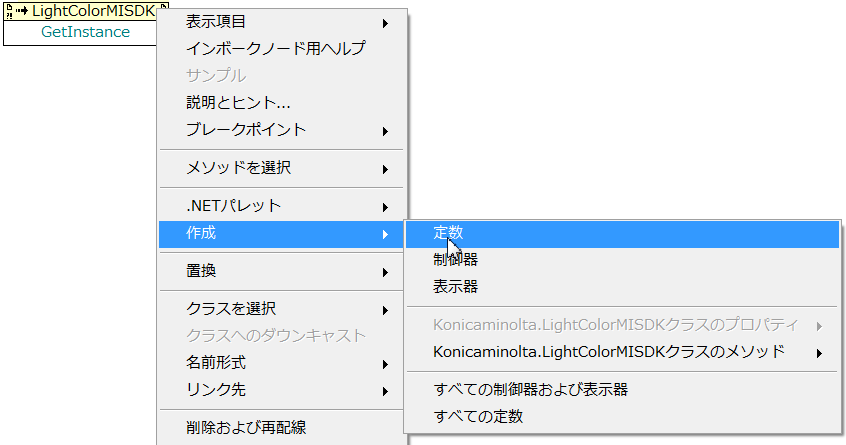
Select the LC-MISDK.dll to an assembly and the LightColorMISDK to an object, then press the OK. (Please confirm [1.System Environment] about the directory of LC-MISDK.dll.)



Select the [GetInstance] in method.



Right-click of the [Invoke Node] again, select the[creation] → [invariable].

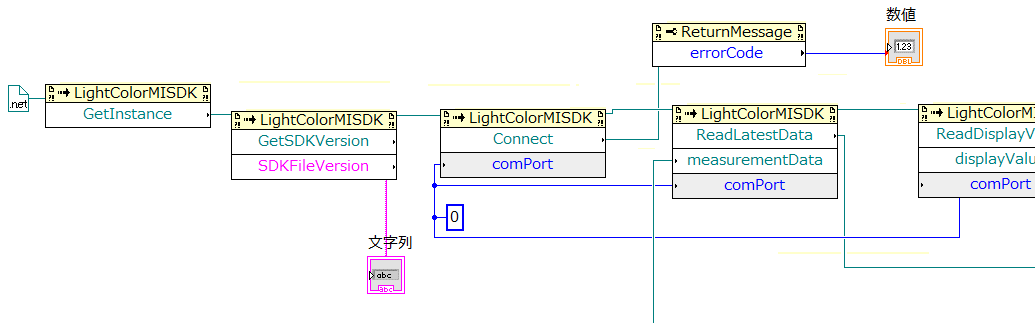


The icon of [.NET] is created, and connect it to [Invoke Node].

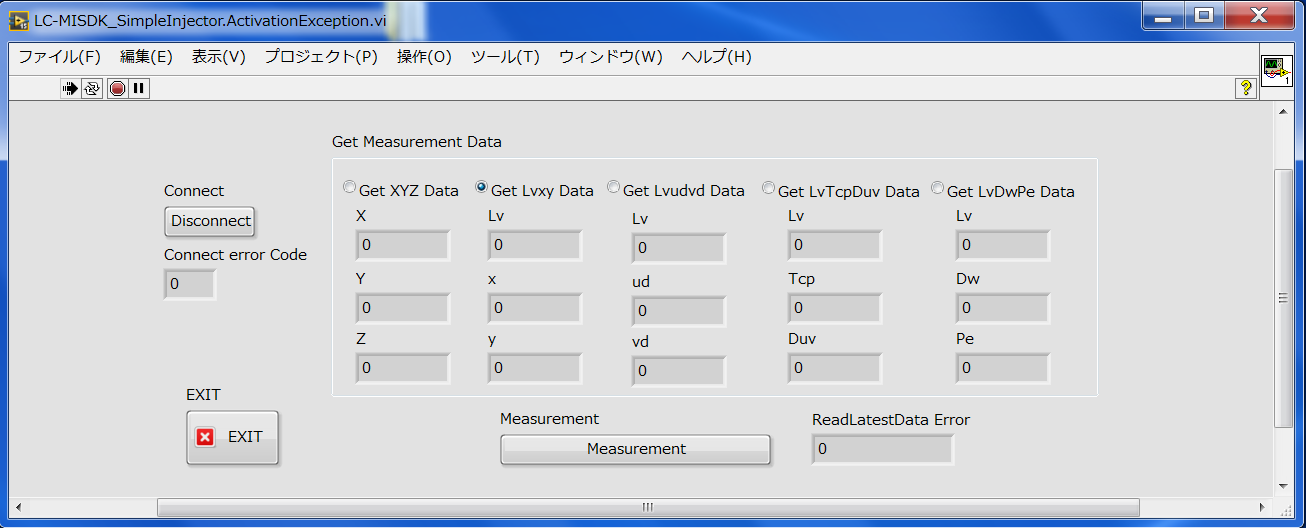


## 2.2　How to use the method

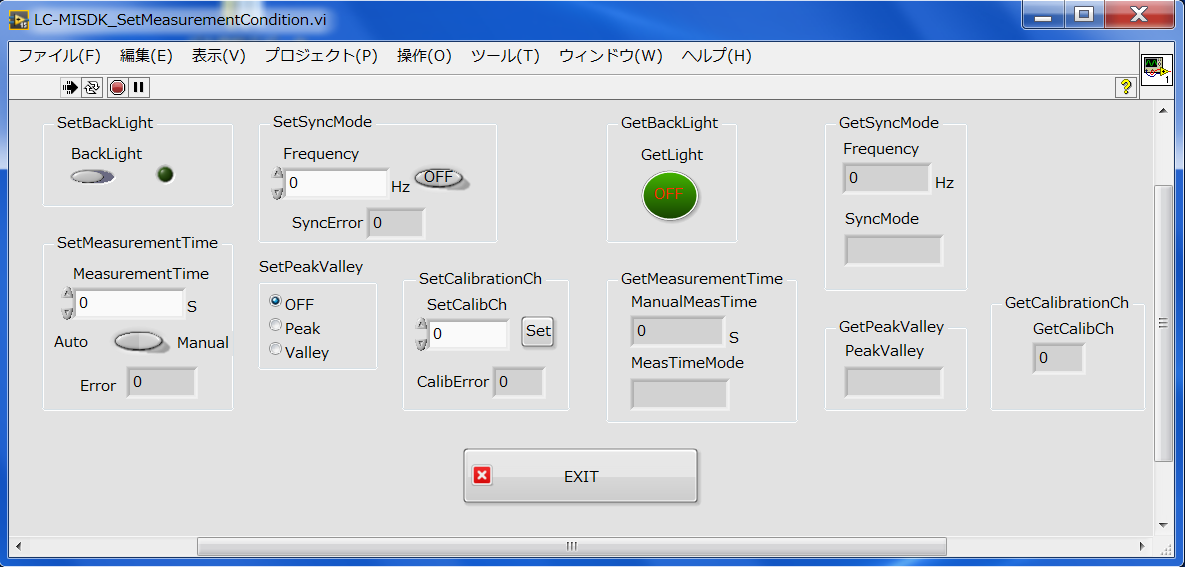
Connect the output of [GetInstance] to the instance of the Invoke Node of LightColorMISDK.



Please refer to [LC-MISDK\_SimpleInjector.ActivationException.vi] about the measurement.



Please refer to [[LC-MISDK\_SetMeasurementCondition.vi] about the various settings.



When you use other API, please refer to [LC-MISDK\_ReferenceManual\_ENG.pdf].

Concluded.