# C# Developer Guide

Following steps should be followed to use the SDK.

## Initialize the SDK

The first step to use the SDK is to initialize the SDK by calling the static function: *HaCamera.InitEnvironment(),* this function should be called prior to calling any other functions in the SDK, and this function should be called only once.

static void InitEnvironment()

## Search Cameras (optional)

To search cameras in LAN, you should add event listener to the static *HaCamera.DeviceDiscovered* event, and then call the static *HaCamera.DiscoverDevice()* to kick off the searching, any response will be passed back through *HaCamera.DeviceDiscovered* event handler

## Connect to the camera

You connect to the camera by creating an *HaCamera* instance, set property such as ip, port, user name, password, etc, to receive face capture event you should add face captured event handler and call *Connect()* function on the instance to connect to it.

*\_cam = new HaCamera();*

*\_cam.Ip = textBoxIp.Text;*

*\_cam.Port = int.Parse(textBoxPort.Text);*

*\_cam.Username = textBoxUserName.Text;*

*\_cam.Password = textBoxPassword.Text;*

*\_cam.FaceCaptured += \_cam\_FaceCaptured;*

*\_cam.Connect(pictureBoxLiveVideo.Handle);*

## Call other functions according to your requirements

Other functions includes add face, remove face, query face, see the demo for more information.