

Info ..... 1  
API ..... 1  
C# ..... 2

# Zero Vibration

x EtherCAT Driver

## Info

- Input Shaping : 가

ZeroVibration	ZeroVibration

## API

### **ecmSxCfg\_SetZVISParam :**

\* int ecmSxCfg\_SetZVISParam (int NetID, int Axis, double NaturalFrequency, double DampingRatio, int ZVISMode, ref int ErrCode);

- NetID : Network
- Axis :
- NaturalFrequency : (1.0hz ~ )
- DampingRatio : (default : 0)
- ZVISMode : (1 ~ 2)
  - 가
- ErrCode : , NULL
- Return Value : CmdIdx <sup>1)</sup>

### **ecmSxCfg\_SetZVISEnable :**

\* int ecmSxCfg\_SetZVISEnable(int NetID, int Axis, bool isEnabled, ref int ErrCode)

- NetID : Network
- Axis :
- isEnabled : (true / false)
- ErrCode : , NULL

- Return Value : CmdIdx <sup>2)</sup>

## C#

```
private void SetZeroVibration(int axisID)
{
    // int ecmSxCfg_SetZVISParam(int NetID, int Axis, double
    NaturalFrequency, double DampingRatio, int ZVISMode, ref int ErrCode)
    // int ecmSxCfg_SetZVISEnable(int NetID, int Axis, bool isEnabled,
    ref int ErrCode)

    //      : 5.5 /      : 0 / Mode : 2
    ecmSxCfg_SetZVISParam(netID, axisID, 5.5, 0, 2, ref errorCode);
    if (errorCode != 0)
    {
        //
    }

    //
    ecmSxCfg_SetZVISEnable(netID, axisID, true, ref errorCode);
    if (errorCode != 0)
    {
        //
    }
}
```

1) 2)

ComiECAT SDK

0

From:

<http://comizoa.co.kr/info/> - -

Permanent link:

[http://comizoa.co.kr/info/doku.php?id=platform:ethercat:2\\_info:zero\\_vibration:start](http://comizoa.co.kr/info/doku.php?id=platform:ethercat:2_info:zero_vibration:start)

Last update: **2024/07/08 18:23**