



AVer UVC Extension Unit

Version 1.0

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Revision History

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1. Introduction

This document contains information about AVer UVC Extension Unit API. The defined AVer XU* are used to being common control interface. The standard UVC control, Camera Terminal and Processing Unit, are not both described in this document. For detail description of standard UVC control, please refer to [5.1](#).

For integrating with 3rd UVC software more easily, the camera control function which UVC specification has been defined, ex. exposure control, PTZ control, camera firmware should comply with UVC specification first as far as possible.

2. Vendor ID / Product ID

Model	Vendor Id	Product Id
DL10	0x2574	0x0550
DL30	0x2574	0x0554

3. Class-Specific Requests

3.1 Control Requests

Request Type	Request	Value	Index	Length	Data
0x21	SET_CUR	Control Selectors	Unit or Terminal ID and Interface, retrieved from GUID	Data Length	Data Content
0xA1	GET_CUR				
	GET_MIN				
	GET_MAX				
	GET_RES				
	GET_LEN				
	GET_INFO				
	GET_DEF				



3.2 Requests

Request	Value	Description	
GET_CUR	0x81	Returns the current state of the streaming interface.	
GET_MIN	0x82	Returns the minimum value for negotiated fields.	
GET_MAX	0x83	Returns the maximum value for negotiated fields.	
GET_RES	0x84	Return the resolution of each supported field in the Probe/Commit data structure.	
GET_LEN	0x85	Returns the length of the Probe data structure.	
GET_INFO	0x86	Queries the capabilities and status of the Control.	
		D0: 0/1 Support Get value requests	D1: 0/1 Support Set value requests
		D2: 0/1 Disabled due to automatic mode	D3: 0/1 Autoupdate Control
		D4: 0/1 Asynchronous Control	D5 – D7 Reserved
GET_DEF	0x87	Returns the default value for the negotiated fields.	
SET_CUR	0x01	Sets the streaming interface Probe state.	

3.3 Unit or Terminal ID and Interface

Control	GUID	Index (optional)
Camera Terminal Control	Standard	0x0001
Process Unit Control	Standard	0x0002
AVer XU1	366966CB-266E-47A0-8451-96ECF60330D6	0x0005
AVer XU2	36693AD0-130B-11E5-B939-0800200C9A66	0x0006
AVer XU3	36692875-1BA4-4D5B-BF91-CA2965B36DFE	0x0007
AVer XU4	3669827A-C026-11EA-B3DE-0242AC130004	0x0008
AVer XU5	36694F5D-E1EE-4A73-9B9C-08393E01FBFD	0x000C
AVer XU6	36696FB5-0FB3-4843-AA6B-E4780B5BBFF5	0x000D



4 Video

4.1 Extension Unit – AVer XU1

4.1.1 GUID {366966CB-266E-47A0-8451-96ECF60330D6}

4.1.2 AVer XU1 Selectors

Control Selector	Value
UVCX_UCAM_NONE	0x00
UVCX_UCAM_FLIP	0x0f
UVCX_UCAM_MIRROR	0x10
UVCX_UCAM_PRESET	0x12
UVCX_UCAM_FW_VERSION	0x14
UVCX_UCAM_IR_ID	0x19

4.1.3 Flip Control

Control Selector		UVCX_UCAM1_FLIP		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bFlip	1	Boolean	0: OFF 1: ON

4.1.4 Mirror Control

Control Selector		UVCX_UCAM1_MIRROR		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bMirror	1	Boolean	0: OFF 1: ON



4.1.5 Preset Control

Control Selector		UVCX_UCAM1_PRESET		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		3		
Offset	Field	Size	Value	Description
0	bSaveRestore	1	Number	0: save 1: restore 2: clear
1	wPresetId	2	Number	Preset Id (0~n), n depends on model.

4.1.6 Firmware Version

Control Selector		UVCX_UCAM1_FW_VERSION		
Mandatory Requests		GET_CUR, GET_INFO, GET_RES		
wLength		32		
Offset	Field	Size	Value	Description
0	Ver[32]	32	String	Firmware Version

4.1.7 IR Remote Camera Selector

Control Selector		UVCX_UCAM_IR_ID		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bID	1	Signed number	0~3: IR Remote Camera selector 1~4



4.2 Extension Unit – AVer XU2

4.2.1 GUID {36693AD0-130B-11E5-B939-0800200C9A66}

4.2.2 AVer XU2 Selectors

Control Selector	Value
UVCX_UCAM2_NONE	0x00
UVCX_UCAM2_WHITE_BALANCE_COMPONENT	0x07
UVCX_UCAM2_AUTO_WHITE_BALANCE_COMPONENT	0x08
UVCX_UCAM2_WHITE_BALANCE_ONEPUSH	0x1D

4.2.3 White Balance Component

Control Selector		UVCX_UCAM2_WHITE_BALANCE_COMPONENT		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		4		
Offset	Field	Size	Value	Description
0	wBgain	2	Number	B gain value
1	wRgain	2	Number	R gain value
Only Manual mode(UVCX_UCAM2_AUTO_WHITE_BALANCE_COMPONENT = 6) can setup				

4.2.4 Auto White Balance Component

Control Selector		UVCX_UCAM2_AUTO_WHITE_BALANCE_COMPONENT		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	dCompMode	1	Number	0: AUTO 1: ATW 2: Indoor 3: Outdoor 4: OnePush 6: Manual

4.2.5 White Balance OnePush

Control Selector		UVCX_UCAM2_WHITE_BALANCE_ONEPUSH		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bTrigger	1	Number	1: Trigger
Only Manual mode(UVCX_UCAM2_AUTO_WHITE_BALANCE_COMPONENT = 4) can setup				



4.3 Extension Unit – AVer XU3

4.3.1 GUID {36692875-1BA4-4D5B-BF91-CA2965B36DFE}

4.3.2 AVer XU3 Selectors

Control Selector	Value
UVCX_UCAM3_NONE	0x00
UVCX_UCAM3_USB_SPEED	0x01
UVCX_UCAM3_UVC_EZOOM_SPEED	0x03
UVCX_UCAM3_IP_ADDRESS	0x0C



4.3.3 USB Speed

Control Selector		UVCX_UCAM3_USB_SPEED		
Mandatory Requests		GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bUsbSpeed	1	Signed number	0: USB device not connected. 1: USB full speed 2: High speed 3: Super speed

4.3.4 Ezoom Speed

Control Selector		UVCX_UCAM3_UVC_EZOOM_SPEED		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bEzoomSpeed	1	Signed number	0: Slow 1: Fast

4.3.5 IP Address

Control Selector		UVCX_UCAM3_IP_ADDRESS		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bIpAddress	32	String	String of IP address, end with \0



4.4 Extension Unit – AVer XU4

4.4.1 GUID {3669827A-C026-11EA-B3DE-0242AC130004}

4.4.2 AVer XU4 Selectors

Control Selector	Value
UVCX_UCAM4_FILE_OPEN	0x0A
UVCX_UCAM4_FILE_LENGTH	0x0B
UVCX_UCAM4_FILE_DATA	0x0C
UVCX_UCAM4_FILE_CLOSE	0x0D

4.4.3 File Open

Control Selector		UVCX_UCAM4_FILE_OPEN		
Mandatory Requests		SET_CUR, GET_INFO, GET_LEN		
wLength		1		
Offset	Field	Size	Value	Description
0	bFlieId	1	Number	The setting for the attribute of the predefined file ID to be opened
Refer to 5.3 for DocCam predefined file ID. Other camera products can be defined by the same format in the future.				

4.4.4 File Length

Control Selector		UVCX_UCAM4_FILE_LENGTH		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_LEN		
wLength		4		
Offset	Field	Size	Value	Description
0	dwFlieLen	4	Number	The setting for the attribute of get/set data length of opened file



4.4.5 File Data

Control Selector		UVCX_UCAM4_FILE_DATA		
Mandatory Requests		SET_CUR, GET_CUR, GET_CUR, GET_INFO, GET_LEN		
wLength		64		
Offset	Field	Size	Value	Description
0	baFlieContent	64	Number	The setting for the attribute of get/set opened file data

4.4.6 File Close

Control Selector		UVCX_UCAM4_FILE_CLOSE		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_LEN		
wLength		1		
Offset	Field	Size	Value	Description
0	bFlieId	1	Number	The setting for the attribute of opened file ID



4.5 Extension Unit – AVer XU5

4.5.1 GUID {36694F5D-E1EE-4A73-9B9C-08393E01FBFD}

4.5.2 AVer XU5 Selectors

Control Selector	Value
UVCX_UCAM5_NONE	0x00
UVCX_UCAM5_AUDIO_INPUT	0x02
UVCX_UCAM5_AUTO_TRACKING	0x04
UVCX_UCAM5_TRACK_MODE	0x05
UVCX_UCAM5_TRACK_UPDATE	0x06
UVCX_UCAM5_TRACK_NUM	0x07
UVCX_UCAM5_TRACK_ZONE	0x08
UVCX_UCAM5_UVC_PAN_SPEED	0x09
UVCX_UCAM5_UVC_TILT_SPEED	0x0A
UVCX_UCAM5_UVC_PRESET_SPEED	0x0B
UVCX_UCAM5_UVC_FREEZE_WHILE_PRESET	0x0C
UVCX_UCAM5_UVC_TRACKING_SENSITIVITY	0x0D
UVCX_UCAM5_UVC_TRACKING_LOST_TIME	0x0E
UVCX_UCAM5_UVC_PRESENTER_PEOPLE_SIZE	0x0F
UVCX_UCAM5_UVC_ZONE_BLOCK_NUM	0x10
UVCX_UCAM5_UVC_SLEEP_TIME	0x12
UVCX_UCAM5_UVC_FACTORY_RESET	0x15
UVCX_UCAM5_UVC_PROFILE_OP	0x16
UVCX_UCAM5_UVC_TRACKING_POINT	0x17
UVCX_UCAM5_UVC_MODEL_NAME	0x18
UVCX_UCAM5_UVC_SERIAL_NUM	0x19
UVCX_UCAM5_UVC_ETH_MAC_ADDR	0x1A
UVCX_UCAM5_UVC_PTZ_GO_HOME	0x1B
UVCX_UCAM5_AUTO_ZOOM	0x1C
UVCX_UCAM5_EFFECTIVE_TRACKING_AREA_EN	0x1D
UVCX_UCAM5_EFFECTIVE_TRACKING_AREA_START	0x1E
UVCX_UCAM5_EFFECTIVE_TRACKING_AREA	0x1F

4.5.3 Audio Input Type

Control Selector		UVCX_UCAM5_AUDIO_INPUT		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bAudioInput	1	Signed number	0: Line in 1: Mic in

4.5.4 Auto Tracking

Control Selector		UVCX_UCAM5_AUTO_TRACKING		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bAutoTracking	1	Boolean	0: Tracking off 1: Tracking on

4.5.5 Tracking Mode

Control Selector		UVCX_UCAM5_TRACK_MODE		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bTrackingMode	1	Signed number	1: Wide area (Presenter) 2: Segment (Zone) 3: Hybrid

4.5.6 Tracking Update

Control Selector		UVCX_UCAM5_TRACK_UPDATE		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bTrackingUpdate	1	Signed number	1: Update

For click tracking. Please refer to the follow command flow to use this command.

- Send SET_CUR on **UVCX_UCAM5_TRACK_UPDATE** to request tracking cam update the tracked target information.
- Send GET_CUR on **UVCX_UCAM5_TRACK_NUM** to get the total number of tracking objects and the current focus target ID.
- Set **bTrackingFocusId** in command **UVCX_UCAM5_TRACK_NUM** and send SET_CUR to determine which object you want to know the position information.
- Send GET_CUR on **UVCX_UCAM5_TRACK_ZONE** to get the position information for the ID you set in **UVCX_UCAM5_TRACK_NUM**.
- If you want to change focus target to another tracking object, send SET_CUR and the position information on **UVCX_UCAM5_TRACK_ZONE** directly.



4.5.7 Tracking Detect Number

Control Selector		UVCX_UCAM5_TRACK_NUM		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		2		
Offset	Field	Size	Value	Description
0	bTrackingNum	1	Signed number	Track Total Zone Number
1	bTrackingFocusId	1	Signed number	Track Focus Zone Index
For click tracking. Please refer to UVCX_UCAM5_TRACK_UPDATE command to use this command.				



4.5.8 Tracking Zone

Control Selector		UVCX_UCAM5_TRACK_ZONE		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		16		
Offset	Field	Size	Value	Description
0	dwXpos	4	Number	X position
1	dwYpos	4	Number	Y position
2	dwWidth	4	Number	Width
3	dwHeight	4	Number	Height
For click tracking. Please refer to UVCX_UCAM5_TRACK_UPDATE command to use this command. Source image mapping from 1920x1080.				

4.5.9 Pan Speed

Control Selector		UVCX_UCAM5_UVC_PAN_SPEED		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bPanSpeed	1	Number	Pan speed value

4.5.10 Tilt Speed

Control Selector		UVCX_UCAM5_UVC_TILT_SPEED		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bTiltSpeed	1	Number	Tilt speed value

4.5.11 Preset Speed

Control Selector		UVCX_UCAM5_UVC_PRESET_SPEED		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bPresetSpeed	1	Number	Preset speed value

4.5.12 Video Freeze while Preset

Control Selector		UVCX_UCAM5_UVC_FREEZE_WHILE_PRESET		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN,		



		GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bPresetFreeze	1	Boolean	0: Off 1: On

4.5.13 Tracking Sensitivity

Control Selector		UVCX_UCAM5_UVC_TRACKING_SENSITIVITY		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bTrackingSensitivity	1	Number	Tracking sensitivity value

4.5.14 Time of Return to Tracking Point

Control Selector		UVCX_UCAM5_UVC_TRACKING_LOST_TIME		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		2		
Offset	Field	Size	Value	Description
0	wTrackingLostTime	2	Number	Time of return to tracking point in second

4.5.15 People Size for Presenter Mode

Control Selector		UVCX_UCAM5_UVC_PRESENTER_PEOPLE_SIZE		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bPeopleSize	1	Signed number	1: Full 2: Half

4.5.16 Block Number for Zone Mode

Control Selector		UVCX_UCAM5_UVC_ZONE_BLOCK_NUM		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bBlockNum	1	Signed number	2~4: Block number for zone mode

4.5.17 Sleep Timer

Control Selector		UVCX_UCAM5_UVC_SLEEP_TIME		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		2		
Offset	Field	Size	Value	Description
0	wSleepTime	2	Number	Sleep timer value in second

4.5.18 Factory Reset

Control Selector		UVCX_UCAM5_UVC_FACTORY_RESET		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bFactoryReset	1	Signed number	1: Execute

4.5.19 Profile Control

Control Selector		UVCX_UCAM5_UVC_PROFILE_OP		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		2		
Offset	Field	Size	Value	Description
0	bOperation	1	Number	0: Save 1: Load
1	bProfileId	1	Number	Profile ID (0~n), n depends on model.

4.5.20 Tracking Point

Control Selector		UVCX_UCAM5_UVC_TRACKING_POINT		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		2		
Offset	Field	Size	Value	Description
0	wTrackingPoint	2	Number	Preset ID: use which preset to as tracking point

4.5.21 Model Name



Control Selector		UVCX_UCAM5_UVC_MODEL_NAME		
Mandatory Requests		GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		64		
Offset	Field	Size	Value	Description
0	baModelName	64	String	String of model name, end with \0
Maximum string length is 63. Please use GET_LEN to get actual string length.				

4.5.22 Serial Number

Control Selector		UVCX_UCAM5_UVC_SERIAL_NUM		
Mandatory Requests		GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		64		
Offset	Field	Size	Value	Description
0	baSerialNum	64	String	String of serial number, end with \0
Maximum string length is 63. Please use GET_LEN to get actual string length.				

4.5.23 Ethernet MAC Address

Control Selector		UVCX_UCAM5_UVC_ETH_MAC_ADDR		
Mandatory Requests		GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		64		
Offset	Field	Size	Value	Description
0	baEthMacAddr	64	String	String of Ethernet MAC address, end with \0
Maximum string length is 63. Please use GET_LEN to get actual string length.				

4.5.24 PTZ Go Home

Control Selector		UVCX_UCAM5_UVC_PTZ_GO_HOME		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bPtzGoHome	1	Signed number	1: Execute

4.5.25 Auto Zoom

Control Selector		UVCX_UCAM5_AUTO_ZOOM		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bAutoZoom	1	Boolean	0: off



				1: on
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4.5.26 Effective Tracking Area Enable

Control Selector		UVCX_UCAM5_EFFECTIVE_TRACKING_AREA_EN		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bEffectAreaEn	1	Boolean	0: off 1: on

4.5.27 Effective Tracking Area Start

Control Selector		UVCX_UCAM5_EFFECTIVE_TRACKING_AREA_START		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bEffectAreaStart	1	Boolean	0: off 1: on

4.5.28 Effective Tracking Area

Control Selector		UVCX_UCAM5_EFFECTIVE_TRACKING_AREA		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		16		
Offset	Field	Size	Value	Description
0	dwXpos	4	Number	Start X position
1	dwYpos	4	Number	Start Y position
2	dwWidth	4	Number	Width
3	dwHeight	4	Number	Height
Source image mapping from 1920x1080.				

4.6 Extension Unit – AVer XU6

4.6.1 GUID {36696FB5-0FB3-4843-AA6B-E4780B5BBFF5}

4.6.2 AVer XU6 Selectors

Control Selector	Value
UVCX_UCAM6_NONE	0x00
UVCX_UCAM6_GESTURE	0x01
UVCX_UCAM6_NOISE_SUPPRESSION	0x02

4.6.3 Gesture

Control Selector		UVCX_UCAM6_GESTURE		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bGesture	1	Boolean	0: gesture off 1: gesture on

4.6.4 Noise Suppression

Control Selector		UVCX_UCAM6_NOISE_SUPPRESSION		
Mandatory Requests		SET_CUR, GET_CUR, GET_INFO, GET_DEF, GET_MIN, GET_MAX, GET_RES		
wLength		1		
Offset	Field	Size	Value	Description
0	bNoiseSuppression	1	Signed number	0: noise suppression off 1: noise suppression on

5 Reference

- 5.1 USB Video Class v1.1
<https://usb.org/document-library/video-class-v11-document-set>
- 5.2 Device Class Definition for HID 1.11
<https://www.usb.org/document-library/device-class-definition-hid-111>
- 5.3 HID Usage Tables 1.12
<https://usb.org/document-library/hid-usage-tables-112>
- 5.4 Audio Device Class Spec for Basic Audio Devices v1.0
<https://usb.org/document-library/audio-device-class-spec-basic-audio-devices-v10-and-adopters-agreement>