

Overview

UVC1-4K is a high-quality, high-performance capture device which is specially designed for high-definition and 4K video capture applications. It supports 1 channel of up to $4096 \times 2160p \oplus 60$ fps video from an HDMI source and selectable HDMI or 3.5mm analog audio.

Installation

UVC1-4K supports operating system:

- Windows 10 (64-bit)
- macOS 10.12 or newer

For UVC devices, such as the UVC1-4K, there is no need to install drivers. The driver will activate automatically when the device is attached to your PC or Mac.







Interface

- 3.5mm TRS audio jack for Line in/Mic in (Gain: Line in is 0dB, Mic in is 32dB)
- HDMI 2.0 port supports input resolution up to 4096×2160 pixels
- USB 3.0 Type C

LED Indicator and Video Notification

LED	Video	Input status
Red	"No Signal" white text on a black background	HDMI is not connected
Red	"Signal Unlock" white text on a black background	HDMI is connected, but the signal is not locked
Green	Source video	HDMI is connected with source
Red & Green cross flashing	Content protection (video stops, freezes, etc.)	HDCP protected content

System Requirement

Notebook					
CPU:	7 th generation Intel [®] Core [™] i7-7XXX (Quad-Core) or above				
Memory:	8GB (dual-channel)				
Graphic:	NVIDIA GeForce GTX 870M, Intel HD graphics 4000, or above				
USB port:	USB3.0 standard type-A port (use USB3.0 type-C to type-A cable) Or USB3.0 type-C port (use USB3.0 type-C to type-C cable - not included with product)				
Desktop F	Desktop PC				
CPU:	6 th generation Intel [®] Core™ i5-6XXX (Quad-Core) or above				
Memory:	8GB (dual-channel)				
Graphic:	NVIDIA GeForce GTX 660, Intel HD graphics 4000, or above				
USB port:	USB3.0 standard type-A port (use USB3.0 type-C to type-A cable) Or USB3.0 type-C port (use USB3.0 type-C to type-C cable - not included with product)				

What's in the box

The following items are included with the UVC1-4K:

- USB 3.0 A to C Cable
- Quick Start Guide (QSG)

Specifications

UVC1-4K SPECIFICATIONS			
Video Input Interface	HDMI 2.0		
Audio Input Interface	HDMI Embedded Audio / 3.5mm Analog Stereo Audio		
Video RAW Data Format	YUY2, P010 (Support on outputs below 1080P60) NV12, I420 (Support on all outputs)		
Video Input Resolution	Up to 4096×2160p@60fps (4:4:4 10-Bit HDR)		
Recording Video Format	YUY2, P010, NV12, I420 (USB 3.0)		
UVC Output Resolution	4096×2160p@60/50fps and 3840×2160p@60/50fps inputs will be output at 3840×2160p@30fps (NV12, I420) or 1920×1080p@60fps (YUY2, P010) For all inputs below 3840×2160p@30fps, UVC1-4K outputs will match the input resolution		
LED	Red/Green		
OS Compatibility	Windows 10 (64-bit) macOS 10.12 or newer		
Power Consumption	3.57W Max (4.76V / 750mA)		
Dimensions (H x W x D)	0.66" x 1.43" x 3.44" (17.0mm x 36.3mm x 87.3mm)		
Weight	93.62g		

AMX UVC Configuration Tool User Guide

- I. Connect UVC1-4K to PC with USB cable.
- II. If updating firmware, download firmware image file from AMX.com.
- III. Download and install "UVC Configuration Tool" application from AMX.com.
- IV. Run UVC Configuration Tool to configure the connected UVC1-4K.V. Please close UVC Configuration Tool before using video capture software.
- v. Frease close ove configuration roof before using video capture softwar

1. Video Settings:



 Preferred EDID: Select the preferred video resolution EDID setting for UVC1-4K capture device (for example 1920x1080 @ 60Hz). This setting indicates the preferred resolution to the video source.

*** UVC Configuration Teol 1.00.1				
UVC Configur	ation Tool			
Video	Signal Status	Signal Lock	HDCP Status	No
Audio	Resolution	3840 x 2160 p	Frame Rate	30.00
Firmware	Preferred EDID	Auto	•	
		Auto		
		4096 x 2160 @ 60	Hz	
		4096 x 2160 @ 30	Hz	
		3840 x 2160 @ 60	Hz	
		3840 x 2160 @ 30	Hz	
		1920 x 1200 @ 60	Hz	
		1920 x 1080 @ 60	Hz	
		1680 x 1050 @ 60	Hz	
		Deuton Norme: ANY UNCL	K Broduct ID: 103C 0070 E	

2. Audio Settings:

Select audio input source

- (1) HDMI: From HDMI embedded audio
- (2) Line in: From external analog audio
- (3) Mic in: From microphone
- (4) HDMI + Line in: Mix audio from HDMI and external analog audio
- (5) HDMI + Mic in: Mix audio from HDMI and microphone
- (6) NONE: UVC1-4K does not output audio

*** UVC Configuration Tool 1.0.0.1				
UVC Configura	tion Tool			
Video	Audio Sample Rate	48000 Hz		
Audio	Audio Input	HDMI + Line in	•	
Firmware		HDMI		
		Line in		
		Mic in		
		HDMI + Line in		
		HDMI + Mic in		
		None		
			-	
		Device Name: AMX-UVC1-4K	Product ID: 103C, 0070	Firmware: 2021.05.19

3. Firmware Update:

Update UVC1-4K device firmware with the following steps: (1) Press "Send firmware update" button.

UVC Configura	ation lool			
Video		Send firmware upd	ate	
Audio	Update Progress		0%	
Firmware				

(2) Browse to the firmware image and click open to select file.

video		Send fi	rmware update		
	** Please choose a farrware	- She			×
Audio	← → + ↑ → ħ	is PC > Deditop > AMCFII	~ ð	,P Search AMCEN	
irmuoro	Organics - New Fold			(c. •	
IIIIIware	AMIX UVC USINy A	Name	Date modified	Type	Sae
	UvcConfiguratio	E svc_4k_hdt_Herman_100C_0070_210512.img	3/12/2021 @14 PM	Disc Image File	273.925
	20 Objects Desitop Ocuments Dournloads Mesix				
	Pictures Videos Local Dirk (C) New Volume (D)				

(3) If the firmware image file is incorrect or damaged, the update procedure will stop and show the following warning message.

VC Configuration Teol 1.0.0.1		
UVC Configura	ation Tool	
Video		Send firmware update
Audio	Update Progress	0%
Firmware		The FW file data is incorre
		Device Name: AMX-UVC1-4K Product ID: 103C, 0070 Firmware: 2021.05.12

(4) Click "YES" to install new firmware.

**Please do not disconnect power or USB during firmware update procedure.

== UVC Configuration Tool 1.0.0.1		×
UVC Configura	ation Tool	
Video	Are you sure you want to update Firmware ?	
Audio	Yes	
Firmware	No	
	Do not disconnect power or USB during transfer	
	Device Name: AMX-UVC1-4K Product ID: 103C, 0070 Firmware: 2021.05.1	2

(5) Wait for the firmware update to complete (until 100% with "Update Successfully" message pop up).





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The AMX Warranty and Return Policy and related documents can be viewed/downloaded at www.amx.com. 3000 RESEARCH DRIVE, RICHARDSON, TX 75082 AMX.com | 800.222.0193 | 469.624.8000 | +1.469.624.7400 | fax 469.624.7153