

AVMATRIX®

HDMI2.0 TO USB 4K CAPTURE BOX SERIES

Capture every detail in stunning 4K clarity with 4K capture card.



UC1218-4KS

Model No.:

UC1218-4K PRO

Model No.:



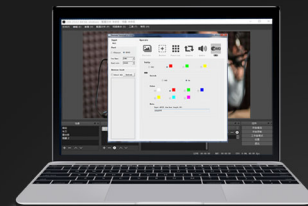
4K HDMI Input
HDMI



Resolution Up to 4K
Refresh Rate Up to 1080p240

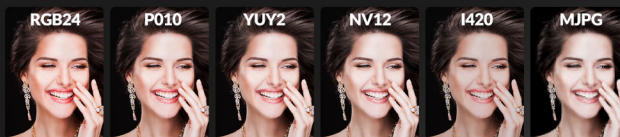
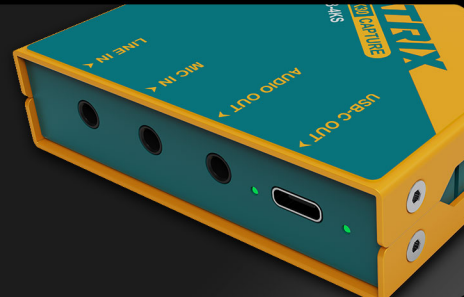
4K

Compatible with Various
Operating Systems



Plug-and-Play,
Driver Free & Power Free

4K HDMI Loop-out
USB3.1 Gen2 Out, Audio Out



Capture Support
RGB24, P010, YUY2, NV12, I420, MJPG



Flexible Audio for Live Streaming



Ultra HD Visuals

4K@60Hz HDMI Input & Loop-out

Enjoy a stunning visual experience with 4K HDMI input at 60Hz. Perfect for capturing every detail in live events. Enjoy zero-latency HDMI loop-out, which supports HDR and native frame rates, ensuring your display output is identical to a direct connection to the source device.



4K 60Hz

Pro-Level Capture

4K60 via USB 3.1 Gen2

The UC1218-4KS is equipped with a USB 3.0 interface, enabling 4K30 ultra HD capture. UC1218-4K PRO features a USB 3.1 Gen2 interface, supporting 4K60 capture. More image details are preserved, delivering a clearer and more vivid visual experience.

Every Detail Preserved

Uncompressed RGB24 Clarity

Utilizes uncompressed RGB24 color format to faithfully restore original colors. Whether recording or live streaming, it delivers richer color depth and more realistic detail, resulting in a more lifelike and immersive image.



INTERLACED



DEINTERLACED



Elevate Every Frame

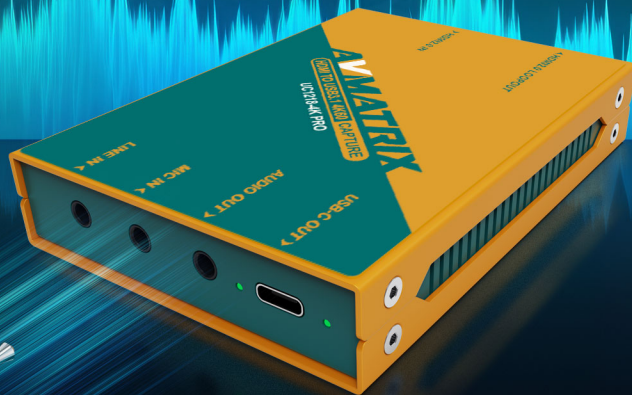
With Real-time Deinterlacing

The new 4K capture box features real-time deinterlacing technology, effectively eliminating image jagged edges and flickering for smoother motion visuals. Its intelligent algorithm reconstructs every frame's details, significantly enhancing display quality.

Flexible Audio Mixing

Mic/line Input & Audio Out

Simplify your setup! This device offers both 3.5mm MIC and Line audio inputs, making live stream audio mixing a breeze. Seamlessly combine HDMI embedded audio with external audio from microphones, professional mixers, or media players, ensuring rich, clear sound for any live production.



Universal Compatibility

Work with Major Streaming Platforms

The 4K capture box is Plug-and-Play, driver-free, and power-free design. Compatible with Windows, Linux and macOS, support streaming and recording applications such as PotPlayer, OBS, ZOOM, Teams, Twitch, etc. Users can stream captured videos to major live streaming platforms, such as YouTube, Facebook, Bilibili, etc.



OBS Studio

zoom



VLC
MEDIA PLAYER



vMix



Teams



Game Live



Self Media



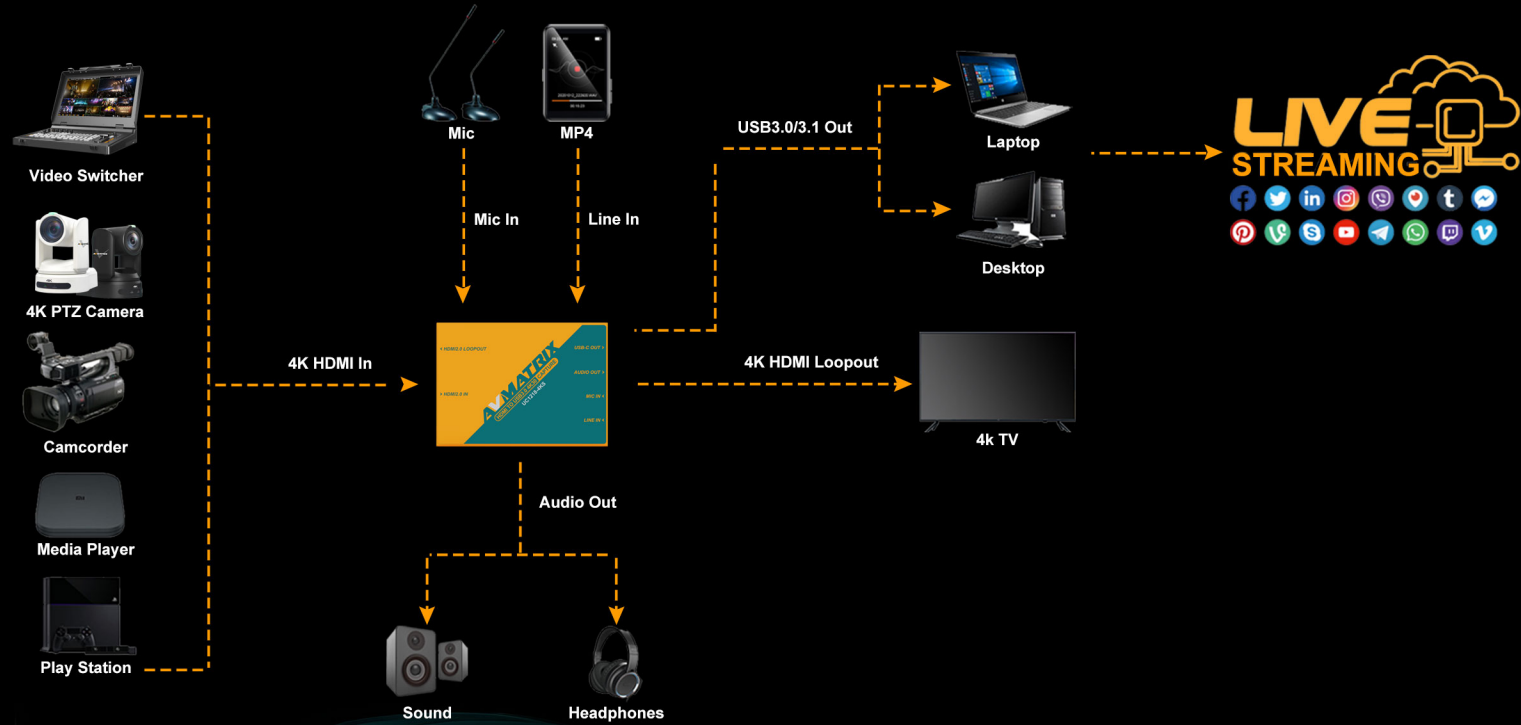
Remote Education



Conference

Extensive Application

Wide range of applications and various live streaming occasions such as game live, broadcast, self media, remote education, conference, treatment, etc.

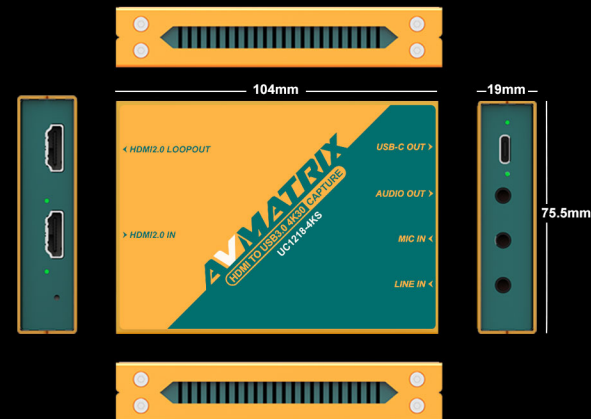


Connecting Diagram

Specifications UC1218-4K PRO

UC1218-4KS

Connections		
Video Interface	1×HDMI 2.0 in	1×HDMI 2.0 in
	1×HDMI 2.0 loop-out	1×HDMI 2.0 loop-out
	1×Type C (USB 3.1 Gen2, 10Gbps)	1×Type C (USB 3.0, 5Gbps)
Audio interface	1×3.5mm stereo audio(Line in)	
	1×3.5mm stereo audio(Mic in)	
	1×3.5mm stereo audio out	
Format		
HDMI2.0 Input & Loopout Format	Up to 4K60Hz, 2K144Hz, 1080p240Hz	
Audio & Video Capture	UVC (USB video class) standard	
	UAC (USB audio class) standard	
Audio Codec	2-channel, 16 bit PCM, 48kHz, 1536kbps	2-channel, 16 bit PCM, 44.1kHz, 1411kbps
Video Format	RGB24: Up to 2560×1440 p60	RGB24: Up to 2560×1440 p30
	P010: Up to 3840×2160 p60	P010: Up to 3840×2160 p60
	YUY2: Up to 3840×2160 p50	YUY2: Up to 2560×1440 p60
	NV12: Up to 3840×2160 p60	NV12: Up to 3840×2160 p30
	I420: Up to 3840×2160 p60	I420: Up to 3840×2160 p30
	MJPG: Up to 3840×2160 p60	MJPG: Up to 3840×2160 p60
OS and Software Compatibility		
Supports OS	Windows 7/8/10/11, Linux (Kernel version 2.6.38 and above), macOS (10.8 and above)	
Software Compatibility	OBS studio, Skype, ZOOM, Teams, Google Meet, Youtube Live, QuikcTime Player, Face time, etc.	
Compatible SDK	DirectShow(Windows), DirectSound(Windows)	
Others		
Dimensions	104×75.5×19mm	
Weight	Net weight:274g Gross Weight: 403g	
Power Consumption	4.5W ±10%	
Operating Temperature	-20~60°C	
Storage Temperature	-30~70°C	
Relative Humidity	20~90% RH (no condensation)	
Warranty		
Warranty	3 Years	



Accessories

