

AVMATRIX®

MULTI-SIGNAL TO USB3.0 CAPTURE BOX

Capture Every Detail with Multi-Signal Input and USB 3.0 Transfer.



UC7018

Model No.:



Versatile Signal Inputs



Capture Uncompressed
Video in Pristine Quality
1080P60



Analog Audio Input



USB Type-C Power



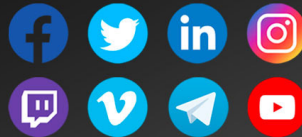
Compatible with macOS,
Windows, Linux



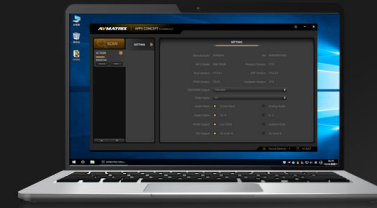
Capture Support RGB32,
YUY2, NV12

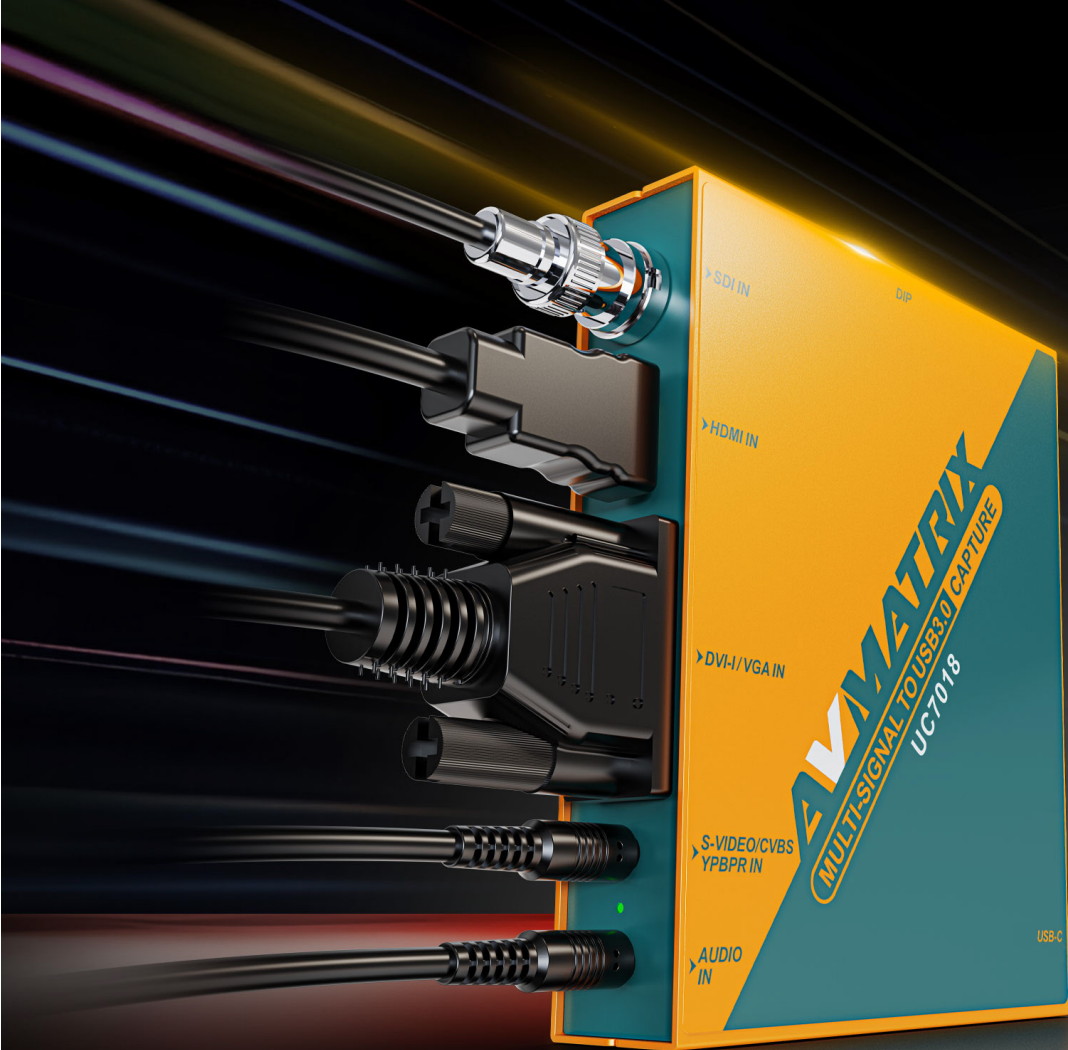


Compatible with Various
Operating Systems



Simplified Operation





Versatile Signal Inputs

Embrace a wide range of video signal inputs, including SDI, HDMI, DVI-I, VGA, CVBS, S-Video, and YPbPr, catering to your diverse video capture needs with seamless connectivity and exceptional performance.

SDI

HDMI

VGA

DVI-I

CVBS

YPbPr

S-Video

1080P 60Hz



Uncompromised Capture

Uncompromised Video Capture, experience the brilliance of uncompressed video capture with support for resolutions up to 1080p60, ensuring crisp and detailed video capture.

Excellent Color Fidelity

Supports RGB video format. When playing or recording video, it delivers richer, more vibrant colors, ensuring your live streaming look as vibrant and detailed as possible.



Color loss



Sharpness loss



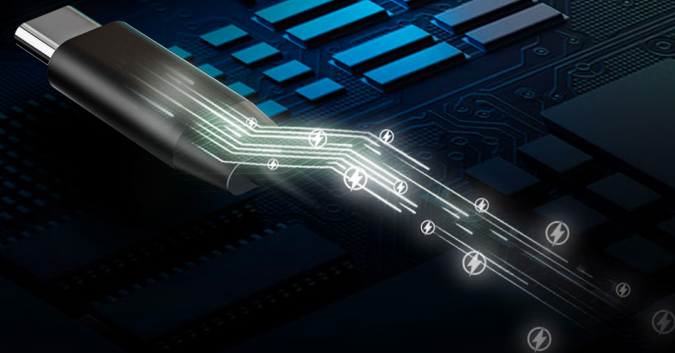
External Audio Input

Equipped with an external audio input for connecting devices such as microphones, mixers and audio media players to embed audio into your video production, eliminating the need for separate audio recording.



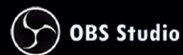
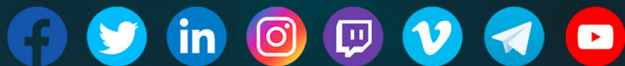
Plug and Play, Driver Free

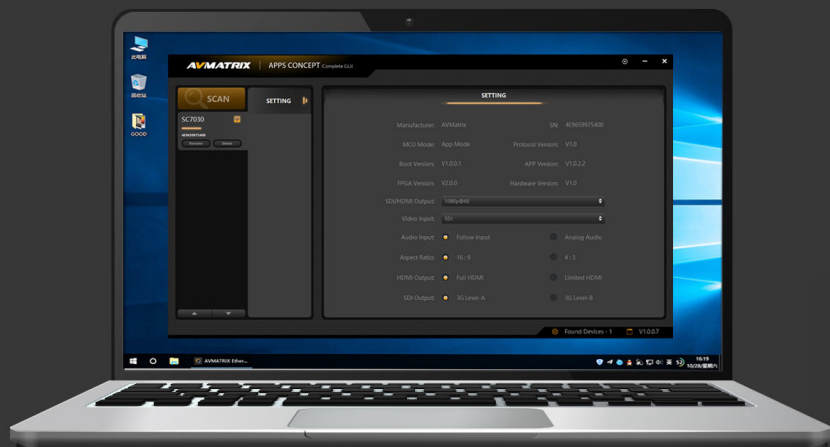
Streamlined Connection, Leverage the convenience of the universal USB Type-C interface, enabling seamless data transfer and power supply for effortless connectivity.



Compatible with Various Operating Systems

Supports UVC and UAC, 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.





Simplified Operation

Take control of device settings with ease, utilizing both DIP switches and user-friendly PC software for intuitive operation.



Medical Care



Video Conference



Game Live



Remote Education

Wide Applications

The multi-Interface to USB capture box opens up a myriad of applications, including digital archiving, medical care, video conference, gaming, education, etc.

SPECIFICATIONS

INTERFACE	
Video Interface	1×SDI input 1×HDMI input 1×DVI-I/VGA input 1×S-VIDEO/CVBS/YPBPR input 1×3.5mm (analog audio input)
Output Interface	1×USB3.0 type C(USB 3.1 Gen1, up to 200MB/s)
FORMAT	
SDI Input Format	1080p 60/59.94/50/30/29.97/25/24/23.98
	1080sf 30/29.97/25/24/23.98
	1080i 50/59.94/60
HDMI Input Format	720p 60/59.94/50/30/29.97/25/24/23.98
	1080p 60/59.94/50/30/29.97/25/24/23.98
	1080i 50/59.94/60
S-VIDEO/CVB Input Format	720p 60/59.94/50/30/29.97/25/24/23.98
	710×484i, 702×576i
YPBPR Input Format	1920×1080p, 1920×1080i, 1280×720p, 1024×576p, 720×576p, 720×483p, 710×484i, 702×576i
DVI Input Format	1920×1080, 1600×1200, 1280×1024, 1280×960, 1280×720, 1152×900, 1152×870, 1152×864, 1024×768, 800×600, 720×400, 640×480, 640×400
VGA Input Format	1920×1080, 1600×1200, 1280×1024, 1280×960, 1280×720, 1152×900, 1152×870, 1152×864, 1024×768, 800×600, 720×400, 640×480
USB Capture Resolution	1920×1080, 1600*900, 1440×900, 1368×768, 1280×960, 1280×720, 1024×768, 960×540, 800×600, 640×360
Audio & Video Capture	UVC (USB Video Class) Standard UAC (USB Audio Class) Standard
Audio Codec	2 channel, 16 bit PCM, 48kHz, 1536 kbps
Video Color Space	RGB, YUY2, NV12
OPERATING SYSTEM AND SOFTWARE COMPATIBILITY	
Supported Operating Systems	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)
POWER	
Power	USB Type-C
power Consumption	≤5W (5V, 1A)
Voltage	5V
OTHER	
Dimension	104×125.5×24.5mm
Weights	Net weight: 473g Gross Weight: 830g
Operating Temperature	-20~60°C
Storage Temperature	-30~70°C
Relative Humidity	20~90% RH (non-condensing)



ACCESSORIES

USB3.0 A to C Cable

DVI to VGA Connector

Multi-interface Converter

Bracket (Optional)