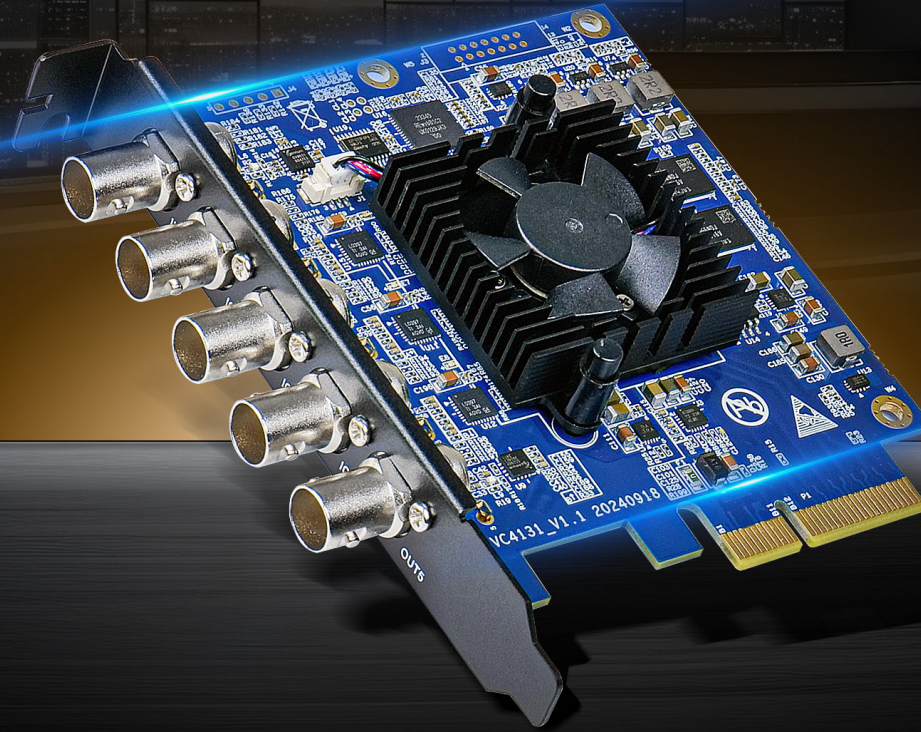


AVMATRIX®

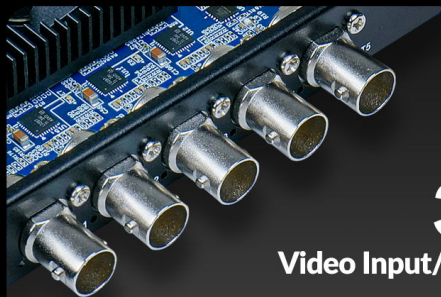
5-CH SDI PCIE CAPTURE & PLAYBACK CARD

Capture Limitless Possibilities, Playback Infinite Brilliance.



VP51

Model No.:

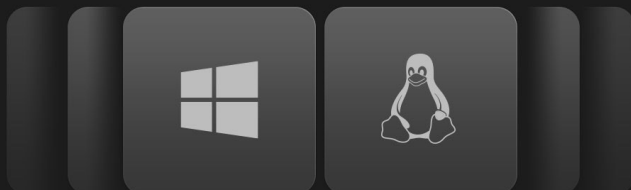


3G-SDI

Video Input/Output Interface

1080P60

Reliable High-Definition
Video Output



Compatible with Various Operating Systems



Comprehensive
Software Support

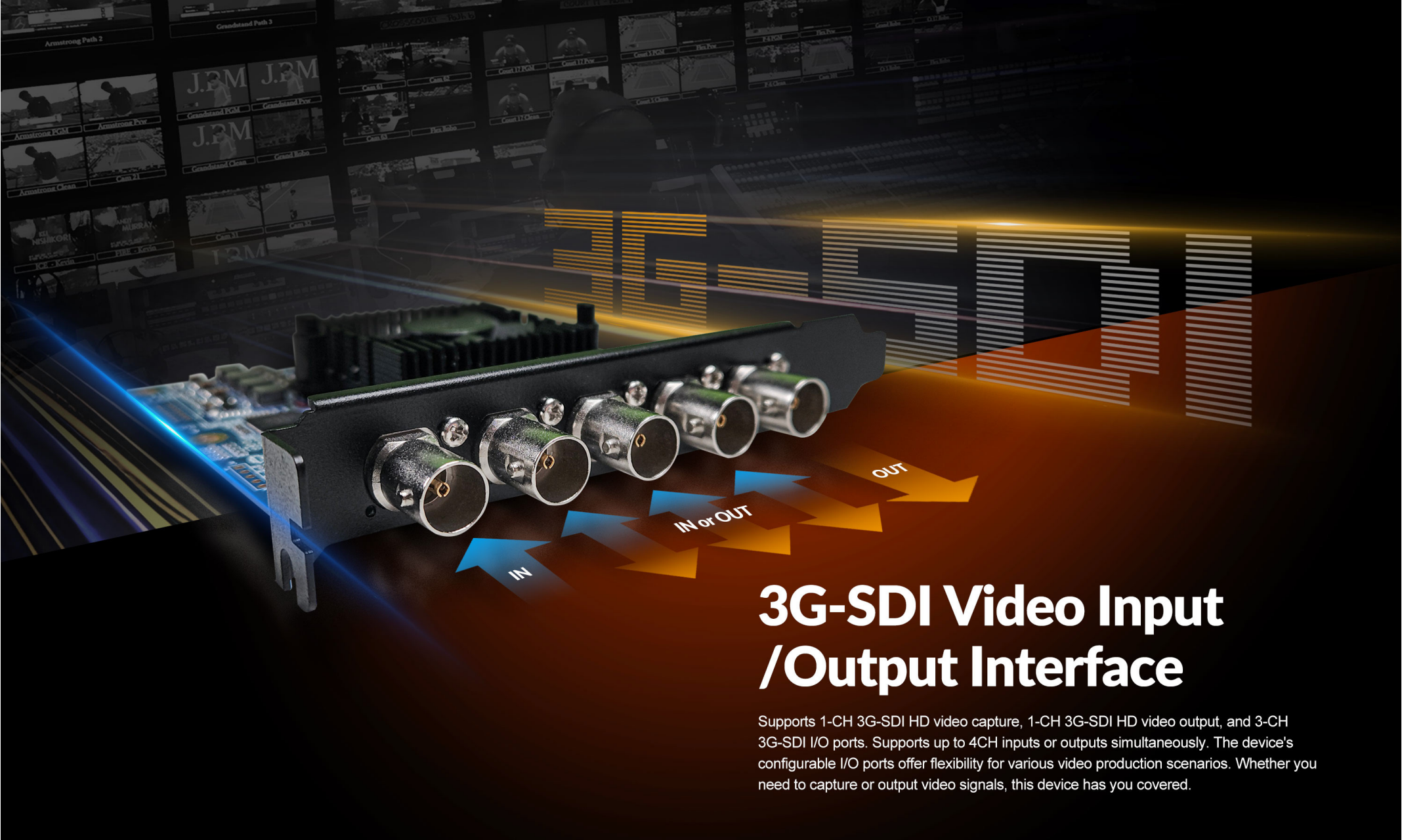


24 Hours Non-stop Work

Support SDK,
Secondary Development

SDK





3G-SDI Video Input /Output Interface

Supports 1-CH 3G-SDI HD video capture, 1-CH 3G-SDI HD video output, and 3-CH 3G-SDI I/O ports. Supports up to 4CH inputs or outputs simultaneously. The device's configurable I/O ports offer flexibility for various video production scenarios. Whether you need to capture or output video signals, this device has you covered.



Reliable High-Definition Video Output

The PCIe Capture & Playback Card offers outstanding performance, delivering output signals of up to 1080P60. It guarantees stable performance and outputs high-definition video signals, ensuring clear image quality.

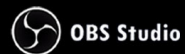
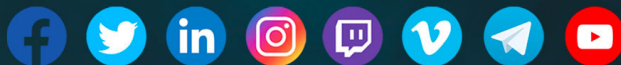
Compatible with Various Operating Systems

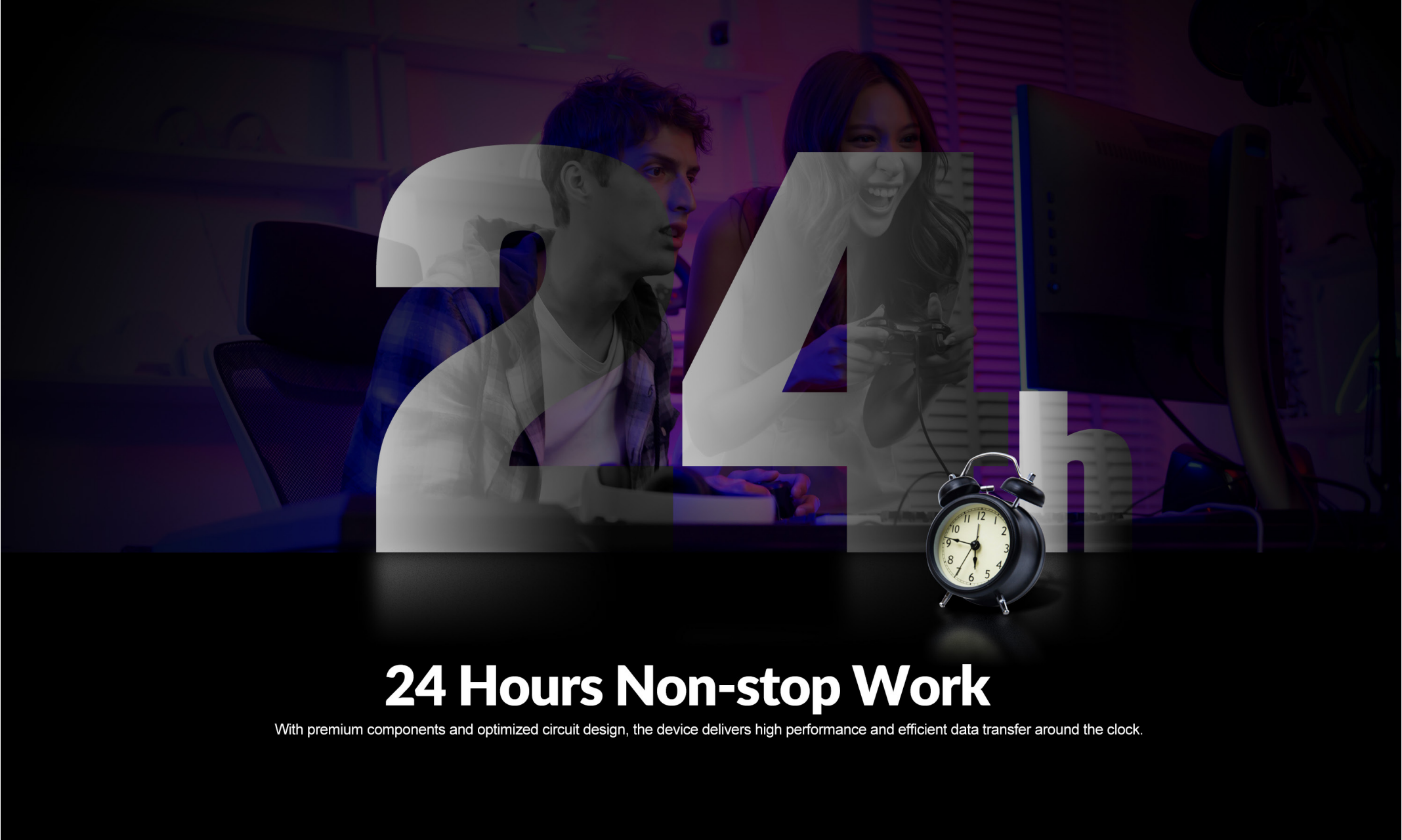
The PCIe Capture & Playback Card is compatible with various operating systems, including Windows 7/8/10/11, Linux.



Comprehensive Software Support

Supports various streaming and video recording software, including Vmix, PotPlayer, OBS, Zoom, Teams, and Twitch. It is also compatible with major streaming platforms such as YouTube, Facebook, and Bilibili.



A man and a woman are shown in a dimly lit room, likely a gaming or streaming setup. The man is in the foreground, looking intently at a computer monitor. The woman is behind him, smiling and holding a game controller. A large, semi-transparent '24h' is overlaid on the image. In the bottom right corner, there is a small, detailed image of a black alarm clock with a yellow face, showing the time as approximately 10:10.

24h

24 Hours Non-stop Work

With premium components and optimized circuit design, the device delivers high performance and efficient data transfer around the clock.



Live Streaming



Video Conference



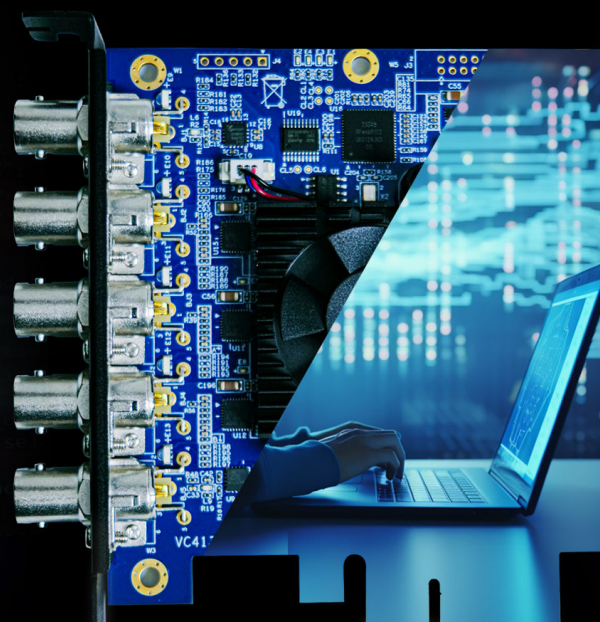
Game Live



Remote Education

Extensive Application

Widely used in various fields, such as studio, video production, game broadcasting, education and training.



Support SDK, Secondary Development

Support full-featured multi-language SDK, such as C++ and DirectShow.

Specifications

INTERFACE	
Slot Interface	PCIe×4 (Gen3)
Video Output Interface	1×3G-SDI Input 1×3G-SDI Output 3×3G-SDI input and output (I/O)
FORMAT	
3G Video Format	1080p60, 1080p59.94, 1080p50
HD Video Format	1080p30, 1080p29.97, 1080p25, 1080p24, 1080p23.98, 1080PsF30, 1080PsF29.97, 1080PsF25, 1080PsF24, 1080i60, 1080i59.94, 1080i50
SD Video Format	525i59.94 NTSC, 625i50 PAL
Audio Sampling	48kHz 24bit
Color Precision	YUV 4:2:2 8bit
Color Space	REC 601, REC 709
SDI Compliance	SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 372M, SMPTE425M, ITU-R BT.656, ITU-R BT.601
Device Support	Support for XBOX, Video Players, TV Boxes, Media Boxes, etc.
SUPPORT	
System Support	Windows 7/8/10/11, 64-bit Linux
Software Compatibility	OBS, XSplit, VLC, VirtualDub, VMix, VidBlaster, Wirecast, Microsoft Media Encoder, Adobe Flash Media Encoder, any other DirectShow/V4L2 encoding/streaming software
OTHER	
Operating Temperature	5-40°C
Relative Humidity	0%~90% non-condensing
Power Consumption	12W
Dimension	102.21×89.51mm (PCB)
Weights	Net weight: 120g

