

VEO-CAP4U

AV INTERFACES

Professional USB Video Capture



PRODUCT OVERVIEW

VEO-CAP4U is a plug-n-play HDMI® to USB video capture device aimed for online media creators, educational and corporate market etc. that require a professional solution for capturing and streaming their audiovisual content. This product is designed to easily record video and audio from an HDMI® source, and send it to a PC / MAC over USB 3.0 without the need of an external power supply or installation drivers. A balanced line input automatically mixes an external sound source into the main audio stream. This could be useful in a typical soft-codec application to add a microphone's conference system signal to an HDMI® camera audio feed. VEO-CAP4U also includes an audio de-embedding feature for extracting the HDMI® input's audio data into the stereo unbalanced output.

KEY FEATURES

- Capture audio and video from HDMI® sources
- HDMI® pass-through video resolution up to 4K@60Hz 4:4:4 and HDR10
- Supports HDMI® pass-through for display device connection
- Capture resolutions up to 1080p@60Hz via USB 3.0 port
- Compatible with multiple third-party applications on Windows and Mac OS X
- Supports mono balanced line input and stereo unbalanced line output
- UAC, UVC compliant. No driver required
- Powered from the USB port, no external power supply required

APPLICATIONS

- Video recording and streaming from HDMI® sources
- HDMI® to USB conversion with audio embedding
- Soft-Codec applications for video conferencing

TECHNICAL SPECIFICATIONS

VEO-CAP4U

Video Performances	
Supported Pass-through Resolutions	Up to 4Kx2K@60Hz 4:4:4 HDR10, Dolby Vision
Supported Capture Resolution	Up to 1080p@60Hz
Colour Space	RGB, YCbCr
Chroma Subsampling	4:4:4, 4:2:0
Colour Depth	8-bit, 10-bit, 12-bit,
Signal Bandwidth	18Gbps
HDCP	2.2
Video Input Connectors	1 x Type-A Female HDMI®
Video Output Connectors	1 x Type-A Female HDMI®
Audio Performances	
Audio Formats	Dolby Atmos, Dolby TrueHD, Dolby Digital Plus, Dolby Digital, DTS-X, DTS-HD Master Audio, DTS 5.1, PCM;
Sample Rate	32 KHz, 44.1 KHz, 48 KHz, 88.2 KHz, 96 KHz, 176.4 KHz, 192 KHz
PCM Bit Depth	up to 24-bit
Frequency Response	20Hz–20KHz, ±3dB
Max Output Level	2.0Vrms± 0.5dB
SNR	>85dB, 20Hz - 20KHz bandwidth
Audio Input Connectors	1 x 3pins Euroblock Connector for Mono Balanced Input (Mixed)
Audio Output Connectors	1 x 3pins Euroblock Connector for Stereo Unbalanced Output (USB PCM 2.0)
Control	
USB Interface	UAC, UVC 1 x Type-A USB 3.0 connector
LED indicators	Power ON 1 x LED for USB power supply HDMI® Input 1 x LED for HDM®I Active HDMI® Output 1 x LED for HDMI® Active
General	
HDMI® Distance	up to 10 meters / 33 ft with Ecler VEO cables
Latency	80ms – 2500mS depending of PC/MAC hardware and software platforms
Environmental	
Operation Temperature	-5 to +55°C (+23 to +131 °F)
Humidity	10 - 90% RH (no condensation)
Power Supply	
Mains voltage	5VDC via USB 3.0 Type-A Port
Rated power consumption	Max 3W
Mechanical	
Dimensions	102mm × 68mm × 12mm (4.02" × 2.68" × 0.59")
Weight	75g / 0.165 lbs

MECHANICAL DIAGRAM



All product characteristics are subject to variation due to production tolerances. NEEC AUDIO BARCELONA S.L. reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.
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