

# 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



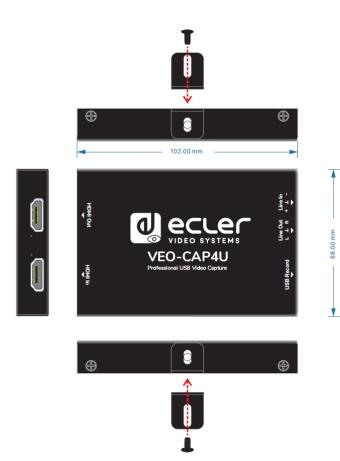
## **TECHNICAL SPECIFICATIONS**

VEO-CAP4U

| /EO-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                        |
| video Output Connectors            | 1 X Type-A Temale Fibini                      |
| 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 HDMI 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                       | EVEN A LINE OF THE A ST                       |
| Mains voltage                      | 5VDC via USB 3.0 Type-A Port                  |
| Rated power consumption            | Max 3W  |
| Mechanical                         | 400 00 10 1155                                |
| 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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