439.00 EUR
incl. 19% VAT, plus shipping

- 4Kp30 !
- HDMI !
- M.2 !

Support: Datasheet

The Latest M.2 Compact Form Factor with 4K 30fps Resolution Nowadays, the M.2 compact form factor has become the hot trend. The dimension of a PCI Express M.2 is extremely compact and designed perfectly to fit into small-footprint embedded systems for industrial applications. Conforming to the most popular standard of M.2, CN311-H is the ideal solution for the education sector and industrial PCs, it features PCIe Gen2 x2 interface with a theoretical bandwidth of 8 Gb/s.
Compatible with HDMI 1.4a standards, CN311-H enables single channel 4096x2160 resolution at 30fps loss-less video data throughput, capable of either capturing or recording at 4096x2160 @ 30fps.
I/O Board Design with HDMI Micro Coaxial Cable Unlike most of M.2 capture cards, AVerMedia makes a breakthrough in the I/O board design. Connected via an HDMI micro coaxial cable, CN311-H can convey 4K video data efficiently, steadily and also benefit the configuration of embedded systems

- Max. input resolution 4096x2160 30fps
- Max. capturing/ recording 4096x2160 30fps
- The latest M.2 compact interface
- I/O Board design with HDMI micro coaxial cable
- Hardware video processing:
  1. Hardware scaling
  2. De-interlacing
  3. Color space conversion
- Ideal for industrial, medical, education and enterprise applications

Host Interface	**PCIe Gen2 x 2**
Audio Format	**HDMI embedded audio**
Audio Sampling Rate	**32/44.1/48KHz**
Connector Type	**HDMI Type A**
Input Interface	**HDMI 1.4a, DVI-D 1.0**
Video Format	**YUV444: IYU2, AYUV, V410, Y410** **YUV422: YUY2, YUYV, UYVY, V210, Y210** **YUV420: I420, NV12, YV12** **RGB: RGB565, RGB555, RGB24, RGB32, ARGB**
Color Depth	**8-bit/10-bit**
Channel No.	**1Ch**
Max. Input Resolution	**4096 x 2160 @ 30fps**
Max. Recording Resolution	**4096 x 2160 @ 30fps**

Input Resolution	**640x480p @ 59.94/60/72/75/85** **720x480p @ 59.94/60** **720x576p @ 50/100** **800x600p @ 56/60/72/75/85/120** **1024x768p @ 60/70/75/85/120** **1152x864p @ 75** **1280x720p @ 50/59.94/60/100/120** **1280x768p @ 60/75/85/120** **1280x800p @ 60/75/85/120** **1280x960p @ 60/85** **1280x1024p @ 60/75/85** **1360x768p @ 60/120** **1366x768p @ 60** **1400x1050p @ 60/75/85** **1440x900p @ 60/75/85** **1600x1200p @ 60** **1680x720p @ 24/25/30/50/60** **1680x1050p @ 60** **1920x1080i @ 50/59.94/60** **1920x1080p @ 23.98/24/25/29.97/30/50/59.94/60/120** **1920x1200p @ 60/75/85** **2048x1152p @ 60** **1792x1344p @ 60/75** **1856x1392p @ 60/75** **1920x1440p @ 60/75** **2560x1080 @ 24/25/30/50/60** **2560x1440 @ 60** **2560x1600 @ 60RB** **3840x2160 @ 24/25/30** **4096x2160 @ 24/25/30** **640x480 @ 59.94/60** **720x480 @ 59.94/60** **720x576 @ 50** **1280x720 @ 50/59.94/60** **1920x1080@ 23.98/24/25/29.97/30/50/59.94/60**
Output Resolution	**Bypass Mode** **1920x1200p @ 60/75/85** **2048x1152p @ 60** **1792x1344p @ 60/75** **1856x1392p @ 60/75** **1920x1440p @ 60/75** **2560x1080 @ 24/25/30/50/60** **2560x1440 @ 60** **2560x1600 @ 60RB** **3840x2160 @ 24/25/30** **4096x2160 @ 24/25/30**
Encoding Mode	**Software encoding**
Multi-Card Support	**Yes**
Supported OS	**Windows 7/ 8.1/ 10 (32/ 64 bit)*** **Linux (based on V4L2, support x86, x64)**
Form Factor	**M.2**
Dimension (L x W)	**22 x 80 mm**
Power Consumption	**3.8 W**
Operating Temperature	**0°C ~ 40°C**

Operating Humidity	**0% ~ 95% relative humidity**
Storage Temperature	**-30°C ~ 80°C**
Safety Certification	**FCC / CE**

Ordering Information

CN311-H	**4K 30FPS HDMI M.2 Capture Card**
	I/O Board, HDMI Micro Coaxial Cable
SDK kits	**SDK Pro**
	SDK Premium add-on kits