



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

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

**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)\*

**Form Factor**

Linux (based on V4L2, support x86, x64)

**Dimension (L x W)**

M.2

**Power Consumption**

22 x 80 mm

**Operating Temperature**

3.8 W

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**