


 Support: [Datasheet](#)

 439.00 EUR
 incl. 19% VAT, plus [shipping](#)

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

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

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

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

Software encoding

Yes
Windows 7/ 8.1/ 10 (32/ 64 bit)*
Linux (based on V4L2, support x86, x64)
M.2
22 x 80 mm
3.8 W
0°C ~ 40°C

Input Resolution**Output Resolution****Encoding Mode****Multi-Card Support****Supported OS****Form Factor****Dimension (L x W)****Power Consumption****Operating Temperature**

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

[**SDK kits**](#)

I/O Board, HDMI Micro Coaxial Cable

SDK Pro

SDK Premium add-on kits