



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
	YUV444: IYU2, AYUV, V410, Y410
	YUV422: YUY2, YUYV, UYVY, V210, Y210
Video Format	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	<p>640x480p @ 59.94/60/72/75/85</p> <p>720x480p @ 59.94/60</p> <p>720x576p @ 50/100</p> <p>800x600p @ 56/60/72/75/85/120</p> <p>1024x768p @ 60/70/75/85/120</p> <p>1152x864p @ 75</p> <p>1280x720p @ 50/59.94/60/100/120</p> <p>1280x768p @ 60/75/85/120</p> <p>1280x800p @ 60/75/85/120</p> <p>1280x960p @ 60/85</p> <p>1280x1024p @ 60/75/85</p> <p>1360x768p @ 60/120</p> <p>1366x768p @ 60</p> <p>1400x1050p @ 60/75/85</p> <p>1440x900p @ 60/75/85</p> <p>1600x1200p @ 60</p> <p>1680x720p @ 24/25/30/50/60</p> <p>1680x1050p @ 60</p> <p>1920x1080i @ 50/59.94/60</p> <p>1920x1080p @ 23.98/24/25/29.97/30/50/59.94/60/120</p> <p>1920x1200p @ 60/75/85</p> <p>2048x1152p @ 60</p> <p>1792x1344p @ 60/75</p> <p>1856x1392p @ 60/75</p> <p>1920x1440p @ 60/75</p> <p>2560x1080 @ 24/25/30/50/60</p> <p>2560x1440 @ 60</p> <p>2560x1600 @ 60RB</p> <p>3840x2160 @ 24/25/30</p> <p>4096x2160 @ 24/25/30</p> <p>640x480 @ 59.94/60</p> <p>720x480 @ 59.94/60</p> <p>720x576 @ 50</p> <p>1280x720 @ 50/59.94/60</p> <p>1920x1080 @ 23.98/24/25/29.97/30/50/59.94/60</p>
Output Resolution	<p>Bypass Mode</p> <p>1920x1200p @ 60/75/85</p> <p>2048x1152p @ 60</p> <p>1792x1344p @ 60/75</p> <p>1856x1392p @ 60/75</p> <p>1920x1440p @ 60/75</p> <p>2560x1080 @ 24/25/30/50/60</p> <p>2560x1440 @ 60</p> <p>2560x1600 @ 60RB</p> <p>3840x2160 @ 24/25/30</p> <p>4096x2160 @ 24/25/30</p>
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
Storage Temperature
Safety Certification

0% ~ 95% relative humidity

-30°C ~ 80°C

FCC / CE

Ordering Information

4K 30FPS HDMI M.2 Capture Card

I/O Board, HDMI Micro Coaxial Cable

SDK Pro

SDK Premium add-on kits

[CN311-H](#)

[SDK kits](#)