



369.00 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

Output Resolution

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

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