## AVerMedia CN311H M.2 CaptureCard (4Kp30 HDMI)

[http://www.cartft.com/catalog/il/3083]





439.00 EUR

incl. 19% VAT, plus shipping

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

Support: Natasheet

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
Audio Format
Audio Sampling Rate
Connector Type
Input Interface

**Video Format** 

Color Depth Channel No. Max. Input Resolution

Max. Recording Resolution

PCIe Gen2 x 2 HDMI embedded audio 32/44.1/48KHz HDMI Type A HDMI 1.4a, DVI-D 1.0

YUV444: IYU2, AYUV, V410, Y410

YUV422: YUY2, YUYV, UYVY, V210, Y210

YUV420: I420, NV12, YV12

RGB: RGB565, RGB555, RGB24, RGB32, ARGB

8-bit/10-bit 1Ch

4096 x 2160 @ 30fps 4096 x 2160 @ 30fps





Input Resolution

**Output Resolution** 

**Encoding Mode Multi-Card Support** 

**Supported OS** 

Form Factor
Dimension (L x W)
Power Consumption
Operating Temperature

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)\*

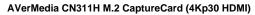
Linux (based on V4L2, support x86, x64)

M.2

22 x 80 mm

3.8 W

0°C ~ 40°C



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Operating Humidity Storage Temperature Safety Certification

**CN311-H** 

**SDK kits** 

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