



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

- 1080p30 !
- HDMI 1.4a !
- Mini PCI Express !

Support:  [Datasheet](#)

1080P 60 FPS HDMI Video Capture CM311-H is a Mini-PCIe HDMI frame grabber capable of capturing videos up to 1080p@60. With AVerMedia Video Engine technology inside, it can perform various video processing tasks such as frame rate conversion, de-interlacing, scaling and so on without consuming the computing power of the target platform.

It is endowed with full functions that are required to capture Full HD video for industrial and commercial markets such as data recorders, medical imaging devices, machine vision or any industrial imaging applications. The CM311-H design is committed to shorten the development schedule and provide integrators with a complete and rugged solution towards building their own applications.

**Mini PCIe Form Factor and Vibration-proof** The compact form factor design of a Mini PCIe card is perfect for small-footprint embedded systems. It is also ideal for solutions that need to be vibration-proof while the mounting holes make it suitable for in-vehicle, military and industrial applications.

- Max capturing/ recording up to 1920 x 1080 60fps
- HDMI 1.4a input
- Mini PCI Express form factor
- Windows DirectShow compatible
- Specifically designed SDK

**Host Interface**

**Audio Interface**

**Audio Format**

**Audio Sampling Rate**

**Connector Type**

**Video Input Interface**

**Video Format**

**Color Depth**

**Channel No.**

**Input Resolution**

**PCI Express Gen2 x1**

**HDMI 1.4a**

**HDMI embedded audio**

**32KHz, 44.1KHz, 48KHz**

**SHLD 30 pin connector**

**HDMI**

**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**

**1 Ch**

**1920x1080p @ 23.98/24/25/29.97/30/50/59.94/60 fps**

**1920x1080i @ 50/59.94/60 fps**

**1280x720p @ 50/59.94/60 fps**

**720x576p @ 50 fps**

**720x480p @ 59.94/60 fps**

**640x480p @ 59.94/60 fps**

**Record Resolution**

1920x1080 @ 23.98/24/25/29.97/30/50/59.94/60 fps  
1280x720 @ 50/59.94/60 fps  
720x576 @ 50 fps  
720x480 @ 59.94/60 fps  
640x480 @ 59.94/60 fps

**Encoding Mode**

Software Encoding

**Multi-Card Support**

Yes

**Supported OS**

Windows 7/8.1/10 (32/64 bits)\*

**Form factor**

Mini PCIe

**Dimension (L x W)**

50.80 x 30 mm

**Power Consumption**

~ 4.0W

**Operating Temperature**

0°C ~ 50°C (by simulation)

**Operating Humidity**

5% ~ 80% Relative Humidity

**Ordering Information**

**CM311-H**

Mini-PCIe 1080p 60FPS HDMI Frame Grabber

**Accessories**

30 pin to HDMI adapter cable

Thermal pad

SDK Basic

SDK Pro

SDK Premium Add-on Kits

[SDK kits](#)