



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](#)