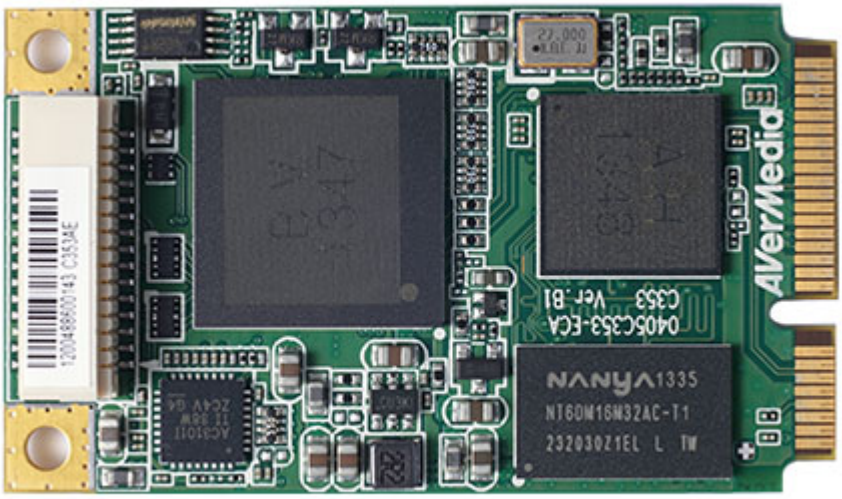

999.00 EUR
incl. 19% VAT, plus shipping

- 1080p30 !
- H.264 !
- H/W Encode !
- HDMI !

Support: Datasheet

The DarkCrystal HD Capture Mini-PCIe is a PCI Express Mini video capture card based on H.264 hardware compression standard, allowing HD capture while providing a low CPU consumption solution. With one adaptor daughter board, it receives and capturesHDMI, VGA, or DVI input sources for monitoring, archiving or analyzing HD video content. Flexibility for increased possibilities.

The DarkCrystal HD Capture Mini-PCIe solution is a PCI Express mini video capture card based on H.264 hardware compression delivering high definition recording and low CPU consumption. With the addition of an adaptor daughter board, capturing and receiving of additional HDMI, VGA, or DVI input sources provides greater flexibility and possibilities for monitoring, archiving or analyzing HD video content. The DarkCrystal HD Capture Mini-PCIe provides up to 60Mbps encoding capability and industry-leading HW encoding performance preserving crystal-like video quality while maintaining low CPU loading.

To expand the scope of its applicability, the DarkCrystal HD Capture Mini-PCIe supports mainstream programming languages and is shipped with a Software Development Kit that includes frequently used functions such as de-interlacing, video cropping, image/video overlay, etc. It is endowed with a full array of functions that are required to perform HD video capture for industrial and commercial purposes such as PC gaming, event data recording, medical imaging, machine vision imaging, and other types of industrial imaging. The DarkCrystal HD Capture Mini-PCIe is committed to shortening the development schedule and providing integrators with complete solutions for building their own applications.

As the leading expert of frame grabber solutions worldwide, AVerMedia now offers Linux driver and OpenCV integration to support C353/CM313B/C351/C039P on NVIDIA TK1/TX1 platforms. The benefit of using AVerMedia C353/CM313B/C351/C039P on NVIDIA TK1/TX1 platforms is to enable the application developers to acquire video feeds from many other kinds of cameras and/or video devices through HDMI, VGA, SDI, and Composite video interfaces, which are very much suitable for the applications of robotics, UAV (i.e. drone), medical image, UGV, surveillance, AOI, and in-vehicle.

- Hardware H.264 Compression
- PCI Express Mini Card form factor
- HDMI/ VGA/ DVI input interface
- Max. input resolution 1920 x 1080 60fps
- Max. capturing resolution 1920 x 1080 30fps
- Up to 60Mbps encoding capability
- Low power consumption (1.5 Watts)

Module Type	PCI Express Minicard
Input	HDMI VGA (D-Sub) DVI (HDMI Adaptor, optional)
Video Resolution	Max. Input Resolution -1080p60 Max. Resolution Captured – 1080p30 VESA Resolution Supported
Captured Video Output	H.264 Transport Stream RAW Video (YV12 4:2:0)
Color Adjustment	VGA: Brightness, Contrast, Hue (NTSC only), Saturation HDMI: not supported
Operating Environment	Temperature: 0 to +55 ■ Humidity: 0 to 80% RHNC
Storage Environment	Temperature: -30 to +65 ■ Humidity: 0 to 90% RHNC
Power Requirement	1.98W
Dimensions (L x W)	50.95 x 30mm
System Requirements	
CPU	Intel® Core™2 Duo 2.4GHz AMD Athlon™ 64 X2 Dual Core 2.8GHz Intel® Core™ i5-2500(4 cores/3.3GHz) or above is required for WMV format recording
Memory	2GB RAM
AVI Format Recording Requirement	SSD is required for AVI format recording: - Read: 200MB/s (or above) - Write: 200MB/s (or above) - System AHCI function needs to be activated - SATA III interface on motherboard is required
VGA	VGA card with support for DirectX9.0c or above Standalone graphics card is recommended for HD video capturing
Sound Card	Yes
Supported OS	Windows 7/8.1/10 (32/64 bits), Linux (32/64 bits)*