

SPECIFICATION OF THE VisionAV-HD CAPTURE CARD:

Board format	PCI Express x4 half size plug-in card, 110mm x 170mm
Connectors (main board)	2 x DVI-I, 1 x RCA (female)
HDMI capture	Supports HDMI 1.3 to 225 MHz (including deep colour modes) For HDCP support, contact the Sales department for more information HDMI audio can be selected as source for audio streaming Incorporates TMDS equaliser to support up to 20m cables
DVI capture	Supports DVI 1.0 RGB 24bit capture to 165MHz Incorporates TMDS equaliser to support up to 20m cables
VGA/ YPbPr Capture	Triple ADCs sampling up to 170MSPS. Full 4:4:4 sampling, 8bits per colour 5-wire, 4-wire or sync-on-green signal format
Composite video capture	CCIR601 sampling, PAL, NTSC, SECAM formats automatically detected
Audio capture	Stereo Line-In/ Stereo balanced inputs with programmable gain (+/-12dB) 16bit sampling at 44.1/ 48/ 96kHz Analogue stereo line-out for direct passthrough of selected input at up to 64kHz sampling, sourced from Analog input or HDMI channel
Video capture memory	256MB high bandwidth frame buffer supports triple buffering of HD and SD video Local storage of complex scatter-gather tables for DMA engine (eliminates read overhead)
Video processing	Polyphase FIR scaling engine (7x5) for hardware downscaling and upscaling Colour space conversion allows captured data to be transferred in any format: • RGB 16 bit (5-5-5, 5-6-5), 24 bit (8-8-8) or 32 (8-8-8 alpha) • YUV 16 bit (4:2:2) • Mono: 8 bit
DMA engine	Direct DMA to physical or virtual memory buffers with full scatter-gather support DMA bandwidth: up to 800MB/s 16 independent DMA streams: Any mix of HD and SD sources, colour space, cropping and scaling parameters
Operating system support	Windows XP, Windows Server 2003, Windows Vista, Windows Server 2008, Windows Server 2012, Windows 7, Windows 8 and Linux support (<i>NOTE: Check Linux specific features with Sales</i>)
Power requirements	Max current at 12V - 1A Max current at 3.3V - 1A Thermal dissipation - 15.5 W

Operating temperature 0 to 35 °C (32 to 96°F)

Storage temperature -20 to 70 °C (-4 to 158 °F)

Relative humidity 5% to 90% non-condensing

Warranty 3 years