

# **XI104AE Product Specifications**

( V1.0 )

## **Product Feature**

- Simultaneously capture one VGA signal, four Standard-Definition video signals, and two stereo analog audio signals.
- 1080p/60 Hz for HD signal input.
- 640x400-2048x1536 for VGA input signal, pixel rate is under 170MHz.
- VGA interface can capture YPbPr signal via breakout cable.
- Microsoft AVStream standard driver, support most multi-media video software or stream media software.
- Smallest size: 126.5mm x 68.9mm, up to Low-Profile standard.

## **Advanced Feature**

- DMA transmission with high performance.
- VGA input supports automatic detection of input video format, automatic detection of the effective area of video, automatic phase adjustment of capturing VGA.
- Offer safe mode for VGA signal, capture VGA signal which max line sampling number is not more than 4095.
- Support setting effective image area manually, it can be used for image flipping and supporting for the timing of special input signal.
- Supports for multi-stage image zoom and provides with three scales for image aspect ratio.

- Deinterlace supports Vertical Blend and Motion Adaptive.
- Hardware color conversion, it can output RGB24 , RGB32 , YUY2 , UYVY , I420.
- VGA input supports color adjustment, it can adjust image brightness, contrast, hue, saturation, Gamma; also R, G, B brightness and contrast can be adjusted separately.
- Image vertical flip and mirror.
- A computer can install multiple cards, multiple cards can capture signals synchronously, each signal can be set separately.
- The firmware can upgrade.

### Product Specifications

Board Size	126.5mm x 68.9mm
Host Interface	PCI-Express x4, Half-length,*700MB/s transmission bandwidth
Input Interface	1 DB25 interface(1 VGA , 4 CVBS+2 stereo audio)
Maximum Sampling Rate	RGB/ YPbPr: 170MHz
Onboard Memory	256MB DDR2, 160 MHz of working frequency, 64bit of bit wide
VGA Input Format	640x400-2048x1536, pixel rate is under 170MHz Offer safe mode, capture non-regular resolution.
YPbPr Input Format	480i、 576i、 480p , 576p , 720p , 1080i , 1080p
CVBS Input Standard	PAL/NTSC

SD Output Image Format	Size: 176x144-768x576, frame rate: 1-30 fps, color: YUYV, UYVY, RGB24, RGB32, I420
Operating System Support	Support following operating systems (x 86 version or x64 version) : Windows® XP Professional Windows® Server 2003 Windows Vista®, Windows® Server 2008 Windows® 7 Windows® Server 2008 R2
Power Consumption	<= 6W
Operating Temperature	0 to 50 deg C
Storage Temperature	-20 to 70 deg C
Relative Humidity	5% to 90%

### Standard Accessories

DB25 to 1VGA+4 CVBS+2 stereo audio Breakout Cable 1

Please note:

1. PCI-Express actual transmission bandwidth relates with the host chipsets and motherboard, it may be lower than written value here.
2. The actual output frame rate is limited by PCI-Express interface bandwidth, it may be less than setting value.