

## **XI102XE-HD Product Specifications**

### **Product Feature**

- Simultaneously capture one universal HD video signal, two SD/HD/3G-SDI video signals.
- 1080p/60 Hz for universal HD signal input signal.
- 1080p/60 Hz for SDI input signal.
- Universal HD signal can capture DVI, VGA, HDMI, YPbPr.
- Capture LPCM audio signal via HDMI.
- Capture audio signal from SDI
- Microsoft AVStream standard driver, support most multi-media video software or stream media software.
- Smallest size: 117mm x 94.67mm.

Please note:

Because of copyright protection, you cannot use the product for capturing HD signal which blu-ray player outputs.

### **Advanced Feature**

- DMA transmission with high performance.
- Universal HD input can switch signal dynamically, signals include DVI/HDMI, VGA, and YPbPr.
- Universal HD input can be compatible with CVBS.
- Universal HD input supports automatic detection of input video format, automatic detection of the effective area of video, automatic phase

adjustment of capturing VGA.

- Supports 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.
- HD input supports color adjustment, it can adjust image brightness, contrast, hue, saturation, Gamma; also R, G, B brightness and contrast can be adjusted separately.
- HD input supports image vertical flip and mirror.
- The firmware can upgrade.

### Product Specifications

Board Size	117mm x 94.67mm
Host Interface	PCI-Express x4, Half-length,*700MB/s transmission bandwidth
Input Interface	1 DVI-I interface(HDMI , VGA , YPbPr) 2 BNC interface(2 SD/HD/3G-SDI)
Maximum Sampling Rate	CVBS : 54MHz (4x Oversampling) RGB/ YPbPr: 170MHz HDMI/DVI: 225MHz SDI:3G
Onboard Memory	256MB DDR2, 160 MHz of working frequency, 64bit of bit wide

VGA Input Format	640x400-2048x1536, pixel rate is under 170MHz
YPbPr Input Format	480i、 576i、 480p , 576p , 720p , 1080i , 1080p
DVI Input Format	Up to DVI 1.0 standard, single continuity
HDMI Input Format	Up to HDMI 1.3 standard, support 36bit DeepColor
CVBS Input Standard	PAL/NTSC
SDI Input Format	SD/HD/3G-SDI,up to SMPTE-259/274/296/372/424/425/292 Standard
HD Output Image Format	Size: 40x30-2048x1536, frame rate: 1-100 fps, color: YUY2, 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	<= 8W
Operating Temperature	0 to 50 deg C
Storage Temperature	-20 to 70 deg C
Relative Humidity	5% to 90%

### Standard Accessories

DVI-I to HDMI +YPbPr Breakout Cable	1
DVI-I to VGA Adapter	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.