# XI100XE  Specifications

（V1.0）

**Product Feature**

● Simultaneously capture one High-Definition video signal and one stereo analog audio signal.

● 1080p/60 Hz for HD signal input.

● HD signal can capture HDMI, DVI, Y/Pb/Pr.

● Capture LPCM audio signal via HDMI.

● Microsoft AVStream standard driver, support majority multimedia video software or streaming media software.

● Super small size: 99.77mm x 68.88mm，Low-Profile standard.

Attention:

For copyright protection, you cannot use for capturing HD signal which blu-ray player outputs.

**Advanced Feature**

● DMA transmission with high performance.

● HD input can switch signal dynamically, DVI/HDMI, Y/Pb/Pr.

● HD input can be compatible with CVBS and S-Video.

● HD input supports automatic detection of input video format, automatic detection of the valid area of video.

● HD input supports for multi-stage image zoom and provides with three scales for image aspect ratio.

- De-interlace 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 | 99.77mm x 68.88mm |
|---|---|
| Host Interface | PCI-Express x1, Low Profile, 200MB/s transmission bandwidth |
| Input Interface | 1 HDMI interface(DVI)<br>1 DB9 interface(to YPbPr, S-Video, CVBS,1 unbalanced stereo audio line in) |
| Maximum Sampling Rate | CVBS：54MHz (4x Oversampling)<br>HDMI/DVI: 225MHz |
| Onboard Memory | 128MB DDR2, 160 MHz of working frequency, 32bit of bit wide |
| YPbPr Input Mode | 480i、576i、480p，576p，720p，1080i，1080p |
| DVI Input Mode | 480i、576i、480p，576p，720p，1080i，1080p |
| HDMI Input Mode | Up to HDMI 1.3 standard, support 36bit DeepColor |
| CVBS Input Standard | PAL/NTSC |
| HD Output Image Mode | Size: 40x30-2048x1536, frame rate: 1-100 fps, color: YUY2, UYVY, RGB24, RGB32, I420 |
| SD Output Image Mode | Size: 176x144-768x576, frame rate: 1-30 fps, color: YUY2, UYVY, RGB24, RGB32, I420 |
| Operating System Support | Support following operating systems (x 86 version or x64 version) :<br>Windows® XP Professional<br>Windows® Server 2003 |

| | |
|---|---|
| | Windows Vista®,<br>Windows® Server 2008<br>Windows® 7<br>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% |

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.