

MAGEWELL

XI104XUSB Technical Specifications

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Supported OS

- Windows XP Professional/Vista/7/8/8.1/10/Server 2003/Server 2008/Server 2008 R2 (x86 & x64)

Supported Software

- Windows Media Encoder
- Adobe Flash Media Live Encoder
- Real Producer Plus
- VideoLAN for Windows

Onboard Memory

- 128MB DDR2, working rate is 160 Mhz, bus width is 32 bits

Input

- Input Interface
 - 1 DVI-I interface (can switch to HDMI, VGA, YPbPr)
 - 1 DB 9 interface (switch to quad CVBS+ dual stereo audio)
- DVI Video Input: 1 1080p/60HZ HD DVI signal
- HDMI Video Input: 1 1080p/60HZ HD HDMI signal
- VGA Video Input: 1 VGA signal
- YPbPr Video Input: 1 YPbPr signal
- CVBS Video Input: Quad SD video signal
- HDMI Audio Input: 1 LPCM audio signal
- Analog Audio Input: Dual analog audio signal

Host Interface

- USB3.0

Standards

- DVI Input Formats: It meets DVI 1.0 standard and single connection (480i, 576i, 480p, 576p, 720p, 1080i, 1080p)
- HDMI Input Formats: It meets HDMI 1.3 standard and supports 36 bits DeepColor
- YPbPr Input Formats: 480i, 576i, 480p, 576p, 720p, 1080i, 1080p
- VGA Input Formats
 - 640×400–2048×1536 when the pixel rate is below 170MHz
 - It provides safe mode to VGA and can capture irregular resolutions.
- CVBS Input Standard: PAL/NTSC
- HD Output Formats: 40×30–2048×1536, frame rate: 1–100 fps
- SD Output Formats: 176×144–768×576, frame rate: 1–30 fps
- Analog Audio Sample Rate and SNR: Up to 48KHz, 85db, 24-bit
- Video Sampling Rate
 - RGB/Component: 170MHz
 - HDMI/DVI: 225MHz
- Video Sampling Precision: 10 bits
- Color Space: YUYV, UYVY, I420, RGB 24 Bits, RGB 32 Bits

Video Processing

- Hardware Color Switch
- Video de-interlacing
 - Vertical filter de-interlacing
 - Motion-adaptive de-interlacing
- Video scaling: Hardware 5-Tap Scale
- Image Mirror: Horizontal, vertical
- Image cropping
- Image Adjustment
 - Brightness/contrast/hue adjustment
 - Saturation adjustment/control of monochrome and color
 - Gamma adjustment
 - Separately adjust the brightness and contrast of R/G/B

Firmware Upgrade

- Firmware can be updated.

Installation

- It can connect to computer by USB 3.0 interface, and is compatible with USB 2.0 interface only to get a relatively low frame rate.

Size

- 98mm x 98mm x 25mm(L/W/H)

Power Consumption

- Max power consumption: ~ 3.5 W