

## Xin-SDI8

The SDI input card



### Features

- 8 BNC female interface inputs.
- Support SD-SDI, HD-SDI and 3G-SDI audio and video mode.
- Support SMPTE 425M, SMPTE 424M, SMPTE 292M, SMPTE 259M-C, DVB-ASI.
- Maximum resolution support:
  - HDPC: 1920x1200P@60\_24bit.
  - HDTV: 1920x1080P@60\_36bit.

### Specifications

The parameter name		Xin-SDI8
Interface	8 BNC female interface inputs	
Protocol	SMPTE 425M, SMPTE 424M, SMPTE 292M, SMPTE 259M-C, DVB-ASI.	
Video	Pixel bandwidth	2.970Gb/s, 2.970/1.001 Gb/s, 1.485 Gb/s, 1.485/1.001Gb/s, 270Mb/s
	Supported output resolution	720x480i@60; 720x576i@60; 720x480P@60; 720x576P@60; 1280x720P@60; 1920x1080i@60; 1920x1080P @25, 1920x1080P@60
	Maximum supported resolution	HDPC: 1920x1200P@60_24bit HDTV : 1920x1080P@60_36bit
	EDID	Use the system default EDID
Weight	0.5Kg	
Maximum power dissipation	40W	

## Xin-COMP8

Component video input card



### Features

- 8 DB15 interface input.
- Can choose any kind of VGA, CVBS, YPbPr, S-Video signal input.
- Maximum resolution support:
  - HDPC: 1920x1200P@60\_24bit.
  - HDTV: 1920x1080P@60\_36bit.
- Upscale output resolution can be set to up to 1920x1080P@60Hz.

### Specifications

The parameter name Xin-COMP8		
Interface	8 DB15 interface input	
	<b>Composite video CV</b>	<b>Y/C video</b>
Gain	0dB	0dB
Bandwidth	150MHz @ -3dB	150MHz @ -3dB
Differential phase error	0.1°, 3.58-4.43 MHz	0.1°, 3.58-4.43 MHz
Differential gain error	0.1% , 3.58-4.43 MHz	0.1%, 3.58-4.43 MHz
Signal strength	1V p-p: Composite video (CVBS)	1V p-p: S video (Y/C)
Minimum / maximum level	Analog signal: -2V/+2V	Analog signal: -2V/+2V
Input impedance	75 Ω	75 Ω
Echo loss	<-30dB@5MHz	<-30dB@5MHz
The optional output resolution	800 x 600@60Hz、1024 x 768@60Hz 1280 x 720P@60Hz、1280 x 800@60Hz 1280 x 1024@60Hz、1366 x 768@60Hz 1440 x 900@60Hz、1400 x 1050@60Hz 1600 x 900@60Hz、1600 x 1200@60Hz 1680 x 1050@60Hz、1920 x 1080P@60Hz 1920 x 1200@60Hz	
	<b>Component video YPbPr</b>	<b>VGA video</b>
Gain	0dB	0dB
Bandwidth	350MHz @ -3dB	380 MHz
Differential phase error	0.1°, 3.58-4.43 MHz	
Differential gain error	0.1% , 3.58-4.43 MHz	
Signal strength	1V p-p: (Component video in Y) 0.3Vp-p: (Component video in PbPr/CbCr)	0.63V p-p - 0.9 V p-p
Minimum / maximum level	Analog signal: -2V/+2V	RGB signal: 0V/1.0V HV signal: 0V/5.0V
Input impedance	75 Ω	75 Ω
Echo loss	<-30dB@5MHz	<-30dB@5MHz
The optional output resolution	800 x 600@60Hz、1024 x 768@60Hz 1280 x 720P@60Hz、1280 x 800@60Hz 1280 x 1024@60Hz、1366 x 768@60Hz 1440 x 900@60Hz、1400 x 1050@60Hz 1600 x 900@60Hz、1600 x 1200@60Hz 1680 x 1050@60Hz、1920 x 1080P@60Hz 1920 x 1200@60Hz	
The product weight	1.2Kg	
Maximum power dissipation	50W	

## Xout-SDI8

The SDI output card



### Features

- 8 BNC female interface outputs.
- Support SD-SDI, HD-SDI and 3G-SDI audio and video mode.
- Support SMPTE 425M, SMPTE 424M, SMPTE 292M, SMPTE 259M-C, DVB-ASI.
- Maximum resolution support:  
 HDCP: 1920x1200P@60\_24bit.  
 HDTV: 1920x1080P@60\_36bit.

### Specifications

The parameter name		Xout-SDI8
Interface	8 BNC female interface outputs	
Protocol	SMPTE 425M, SMPTE 424M, SMPTE 292M, SMPTE 259M-C, DVB-ASI.	
Video	Pixel bandwidth	2.970Gb/s, 2.970/1.001 Gb/s, 1.485 Gb/s, 1.485/1.001Gb/s, 270Mb/s
	Supported output resolution	720x480i@60; 720x576i@60; 720x480P@60; 720x576P@60; 1280x720P@60; 1920x1080i@60; 1920x1080P @25, 1920x1080P@60
	Maximum supported resolution	HDCP: 1920x1200P@60_24bit HDTV : 1920x1080P@60_36bit
	EDID	Use the system default EDID
Weight	0.5Kg	
Maximum power dissipation	40W	

## Xout-VGA8

The VGA output card



### Features

- 8 DB15 interface input.
- Maximum resolution support:  
 HDCP: 1920x1200P@60\_24bit.  
 HDTV: 1920x1080P@60\_36bit.
- Upscale output resolution can be set to up to 1920x1080P@60Hz.

### Specifications

The parameter name		Xout-VGA8
Audio and video input part	Supported protocol	Fully support the 3D part of HDM11.4 protocol, including all the mainstream 3D display modes in HDM11.4t protocol, but does not include 3D_1080P@120Hz backwards compatible with HDM11.3 standard, HDCP1.3t protocol, DVI1.0 protocol.
	Pixel bandwidth	165MHz, Full digital
	Interface bandwidth	2.25Gbps, full digital (a total of 6.75Gbps, each color is 2.25Gbps)
	Supported internal input resolution	800 x 600@60Hz,1024x768@60Hz, 1280x720@60Hz,1280x1024@60Hz, 1366x768@60Hz,1400x1050@60Hz, 1440x900@60Hz,1680x1050@60Hz, 1600x1200@60Hz,1920x1080@60Hz, 1920x1200@60Hz
VGA Video output	Interface	High speed DB15 bus interface
	Signal type	VGA simulation
	Gain	0 dB
	Bandwidth	380 MHz
	Signal strength	0.7Vpp
	Impedance	75 Ω
	Return loss	<30dB@5MHz
DC compensation	The maximum difference ±5mV	
VGA Synchronous signal	Supported the output resolution	800 x 600@60Hz,1024x768@60Hz, 1280x720@60Hz,1280x1024@60Hz, 1366x768@60Hz,1400x1050@60Hz, 1440x900@60Hz,1680x1050@60Hz, 1600x1200@60Hz,1920x1080@60Hz, 1920x1200@60Hz
	The maximum resolution supported	HDTV : 1920x1080P@60_36bit
	Input / output Signal type	RGBHV, RGBS, RGSB, RSGBs
Weight	Maximum transmission delay	Horizontal: 90ns vertical: 160ns
	The longest rise / fall time	4ns
Maximum power dissipation	About 1.2Kg	
Maximum power dissipation	25W	