

12G/60HZ-SDI Frame Grabber OK_SDI40K_8E

Specification

★The maximum resolution of the collected video signal is 3840x2160@60fps.

★Using PCI-E3.0x8 channels. Each Lane supports 8GBit

transmission per second, and the total bandwidth can reach 15.7GB/s. The high-bandwidth transmission channel based on PCI Express 3.0 realizes real-time upload of four-channel video and supports two-channel real-time upload of compressed data streams.

★ Use FPGA to realize hardware H.264 compression coding, refer to standard ITU-T H.264 (V12) protocol. The coding efficiency is high, and while the compression ratio is high, it can also ensure high-quality image effects.



技术参数

Interface	SDI
Bus	PCI-E3.0 × 8
Input Channels	Up to four SDI inputs
Output Channels	SDI×1
MAX Resolution	3840x2160@60fps
Cache Format	Support cache Gray8, RGB888, RGB8888 cache format
Mirror Mode	Horizontal/Vertical mirror
Zoom Function	The hardware completes the arbitrary scale reduction of the input image.
External Trigger	TTL (falling edge valid)
Signal Detection	Automatic
Video Compression	Supports up to four channels of H.264
Operating Temperature	0°C~50°C
Storage Temperature	-20°C~+70°C

Application

The card is suitable for high-precision, high-resolution image processing and streaming media, as well as multimedia compression, processing and other research and development and engineering applications.

Software Support

Software platform: Provide various WINDOWS system drivers, development libraries and demonstration programs.

Secondary development: Support common development languages of WINDOWS dynamic library, such as VC, VB, Delphi, C++Builder, LABVIEW, MATLAB, etc.