

OK_USB30B USB3.0 Video Compression Collection Box



Description

- ✓ High speed acquisition and compression of video without losing frames
- ✓ Small size, convenient connection, plug and play, hot plug
- ✓ Connect directly to PC with USB interface to establish mobile image processing workstation.

Main Parameters

Acquisition Signal Type	DVI/HDMI/RGB; SD/HD/3G; CVBS/S-Video
Bus	USB3.0 (Compatible USB1.1,USB2.0 and USB3.0)
MAX Frequency	RGB 170MHz; DVI/HDMI 165 MHz; SDI 2.97Gbps
Cache Format	RGB8888, RGB888, GRAY8
Input Channels	DVI/RGB *1 (DVI-I interface), SDI *1(BNC interface)
RGB/DVI Mode	640×480, 800×600, 1024×768, 1280×1024, 1600×1200, 1920×1080
SDI Mode	1080p,1080i, 720p, 576i, 480i
A/D	Three - way high speed 12bit A/D
SDI Decoding	3G high speed, data 10bit
Transmission Speed	Max data rate is about 300Mbyte/s
Signal Detection	Automatic
Video Compression	Video signal source is collected and compressed at the same time, without interference from each other.
Compression Format	MJPEG
External Trigger	TTL (falling edge valid)
Size(mm)	114.5×33×142
Power	5V/2A, Plug and play, hot plug



Application

OK_USB30B can be applied to the field of streaming media, medical image devices (such as ECT, standard and non-standard color Doppler ultrasound), radar equipment, monitoring and multimedia compression applications. It is especially suitable for fields such as field work and small working environment.

Software Support

Platform: Provide drivers, development libraries and demonstration programs.

Secondary development: Support for development languages such as VC, VB, Delphi, C++Builder, LABVIEW, MATLAB, etc.