

Video Encoder/Decoder Datasheet

Overview

FBVAD2000 Series Video Encoder/Decoder are the products using latest technology which can be integrated easily into your existing analog CCTV (closed circuit television) system, helping users migrate analog security system into an IP-based video solution. Video Encoder can encode the analog video, audio and data signals, and then sends digital motive images over an IP networks. At the other end, the Decoder decode the digital motive images to analog video, audio and data signals, and transmit these signals to TV Wall or other kinds of monitor system.

Features

- Using state-of-the-art H.264 or MPEG4 encoding technology
- supports Full D1 resolution or 4* CIF resolution
- Max 30 frames/sec @ D1 resolution
- Much better video quality under low bit rate network
- Embedded Streaming Video and Web Servers
- Digital Video Motion detection and event triggered alarm processing
- Support OSD setting, including time, text or picture types
- Support SD and USB ports to record videos
- Using Ethernet to transmit the compressed video
- Using web-based interface to monitor or configure the setting

Specification

System

- Main Processor: High performance embedded microprocessor
- Operating System: LINUX
- Control Mode: WEB & Windows based software

Video

- Video Input: 1/4 Channel, 1.0Vp-p, 75Ω (Encoder)
 - Video Output: 1 Channel, 1.0Vp-p, 75Ω (Decoder), if connected to 4 channels encoder, the whole picture of the output video is divided to four parts
 - Video Standards: PAL (625Line, 50f/s), NTSC (525Line, 60f/s)
 - Video Compression: H.264
 - Video Resolution: D1/ HalfD1/ CIF/ QCIF
 - Frame speed: PAL 1f/s-25f/s NTSC 1f/s-30f/s;
 - Connector: BNC
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Audio

- Audio Input: 1/2/4 channel
- Audio Output: 1 channel
- Audio Compression: ADPCM
- Connector: RCA

Alarm

- 1/2/4 channel bi-directional
- Connector: Terminal Block with Screw Clamps
- Normally open
- Nominal switching capacity: 3A/277VAC or 3A/30VDC

Data Interface

- RS232: Data transmitting, DB9 connector
- RS485: PTZ control, Terminal Block with Screw Clamps connector

USB Interface

- 1 Host port
- Compatible with USB 1.1

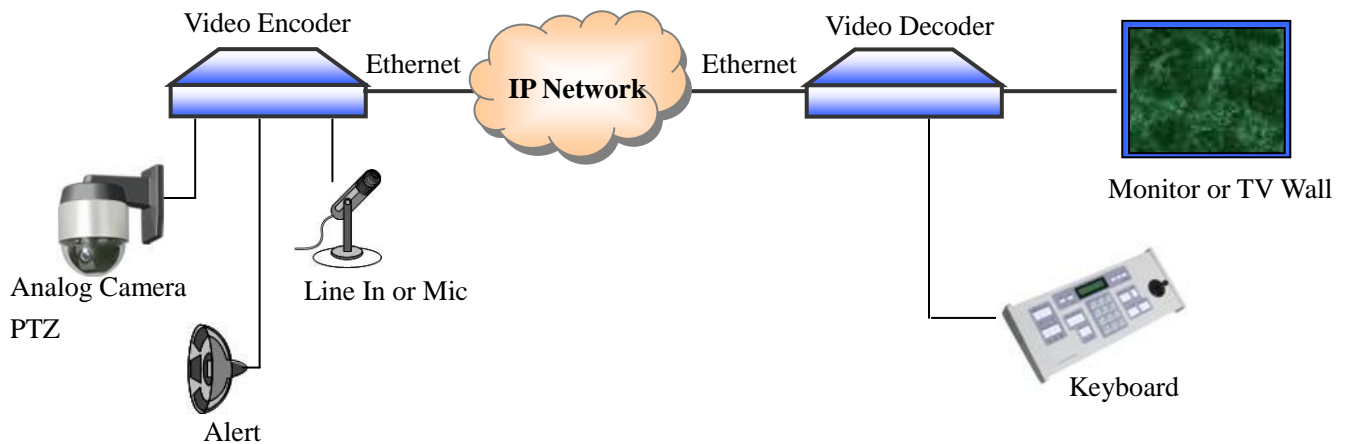
SD Interface

- 1 port

Environmental

- Power Supply: 12VDC
- Power consumption: <10W
- Working Temperature: 0°C – +55°C
- Working Humidity: 10%–90%
- Atmosphere Pressure: 86kpa – 106kpa
- Mounting: Desktop

Typical Application



Order Information

Model:

FBVAD2000 Video Server, Video Encoder/Decoder, IP Camera

P/N (Part Number):

Video Encoder

F8-TH113E-1VT1A1DR2CUS

Video Encoder, 1 Video input (D1 Size), 1 Audio input/Output, 1 Data (RS485) input, 2 Alarm Input/Output, with USB/SD connector

F8-TH113E-1VT1A1DR2C

Video Encoder, 1 Video input (D1 Size), 1 Audio input/Output, 1 Data (RS485) input, 2 Alarm Input/Output, without USB/SD connector

F8-TH313E-4VT4AT1AR1DR4CUS

Video Encoder, 4 Video input (CIF Size), 4 Audio input, 1 Audio Output, 1 Data (RS485) input, 4 Alarm Input/Output, with USB/SD connector

F8-TH313E-4VT4AT1AR1DR4C

Video Encoder, 4 Video input (CIF Size), 4 Audio input, 1 Audio Output, 1 Data (RS485) input, 4 Alarm Input/Output, without USB/SD connector

Video Decoder

F8-RH113E-1VR1A1DT2CUS

Video Decoder, 1 Video output, 1 Audio input/Output, 1 Data (RS485) output, 2 Alarm Input/Output, with USB/SD connector

F8-RH113E-1VR1A1DT2C



Video Decoder, 1 Video output, 1 Audio input/Output, 1 Data(RS485) output, 2 Alarm Input/Output, without USB/SD connector