



**IVS-255**

## IVS-255

**Real-time MPEG4 Industrial Video Server**

### Introduction

Being the first multimedia-networking product of ICPDAS, IVS-255 is a high performance standalone video server, based on Intel xScale pxa-255 CPU, 400Mhz, and embedded Linux OS. It could simultaneously perform 4Ch real-time MPEG4 video encoding, 4 CH ADPCM Audio encoding, and, 1 CH Audio play-out. All these streaming data go through Ethernet. The rugged hardware design, low power consumption, and fan-less features make this product especially suitable for industrial field application.

### Features

- CPU : Intel xScale PXA-255 CPU @ 400 MHz
- OS: Embedded Linux 2.4.19
- Low power consumption, no fan inside
- Hardware watch dog protection mechanism
- Support 4-CH MPEG4 video and 4-CH audio real-time encoding
- Support 1-CH real-time audio out
- ActiveX Control SDK for AP developing
- Ready for integration with InduSoft Web Studio

### Specifications

<b>CPU</b>	<b>IntelR xScaleR PXA-255 @ 400 MHz400 MHz</b>	<b>Memory</b>	SDRAM : <b>32 MB</b> , Flash : <b>16 M</b>
<b>Power</b>	Require power input : <b>12 V DC</b> PowerConsumption : <b>5W</b>	<b>Ethernet</b>	Number of (Channels) : <b>1</b> Bit Rate : <b>10/100 Mbps</b>
<b>Video Encode</b>	Number of Channels : <b>4</b> Input video type : <b>NTSC / PAL</b> Compression type : <b>MPEG4 ISO/IEC 14496-2, SOP @LEVEL3</b> Performance : <b>NTSC 320x240 @ 120fps, PAL 352x288@100fps</b>		
<b>Audio Encode</b>	Number of Channels : <b>4</b> Sample Rate : <b>8 KHz, Mono</b> Audio compression type : <b>ADPCM</b>	<b>Audio play-out</b>	Number of (Channels) : <b>1</b> Audio stream format : <b>MP3 like streaming</b> Sample Rate : <b>44.1 KHz, Mono</b>
<b>RS232</b>	Number of Channels : <b>1</b> Connector : <b>DB9 male</b>		
Operation temperature		<b>-15 °C ~(+ ) 65 °C</b>	
Storage temperature		<b>-40 °C ~(+ ) 85 °C</b>	
Certification		<b>EMI,CE / FCC / VCCI</b>	

### Ordering Information

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