



# **1-channel MPEG-4 Video Encoder**

**ACD-2100**

Ver. 070206

## **Quick Installation Guide**



[www.acti.com](http://www.acti.com)



# 1

## Getting Started

### 1.1 PACKAGE CONTENTS

ACD-2100



Power Adaptor (Option)



Product CD



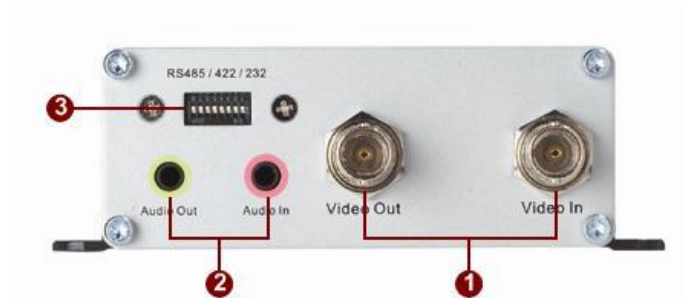
Terminal Blocks & Screws



Warranty Card



## 1.2 PHYSICAL DESCRIPTION



### 1. Video Input / Output

The 1-channel MPEG-4 Video Encoder supports one analog video input and output of composite signal with BNC connectors

### 2. Audio Input / Output

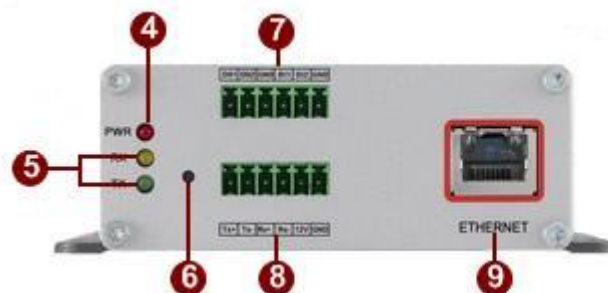
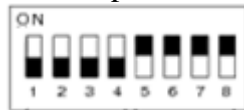
The 1-channel MPEG-4 Video Encoder supports one audio input and output with earphone jack

### 3. Dip Switch for Serial Port

RS-485 or RS-422 pin define (default is RS-485)



RS-232 pin define



### 4. Action LED Indicator

The LED will light up after Video Encoder has successfully completed the boot process.

### 5. Serial Port LED Indicator

LEDs indicating when serial port is active.

### 6. Reset Button

**Step 1:** Switch off Video Encoder by disconnecting the power cable

**Step 2:** Using a suitable pointed object, press and continue to hold the Reset Button depressed. While continuing to hold the reset button depressed, reconnect the power cable.

**Step 3:** Keep holding the reset button depressed around 6 seconds, release the reset button. The unit will start up with factory default settings.

**7. Terminal Blocks Pin 1~6**

The Video Encoder supports two alarm input and two alarm output. DI: Logic Level 0: 0~0.4V; Logic Level 1: 3.3~30V  
DO: Logic Level 0: 0.1~0.6V; Logic Level 1: 2.4~5V  
Please find Support package” TS-00045” for details.

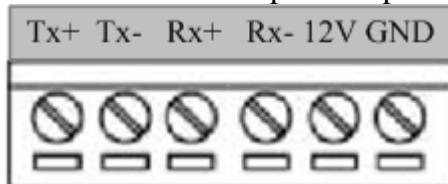


PIN	NAME	DESCRIPTION
1	DO1	Digital Output 1
2	DO2	Digital Output 2
3	GND	Ground Pin
4	DI1	Digital Input 1
5	DI2	Digital Input 2
6	GND	Ground Pin

**8. Terminal Blocks Pin 7~12**

Pin 7~10: RS232/422/485. Default mode is RS-485

Pin 11~12: DC 12V power input



PIN	NAME	DESCRIPTION		
		RS-485	RS-422	RS-232
7	Tx+	D+	Tx+	Tx
8	Tx-	D-	Tx-	
9	Rx+		Rx+	Rx

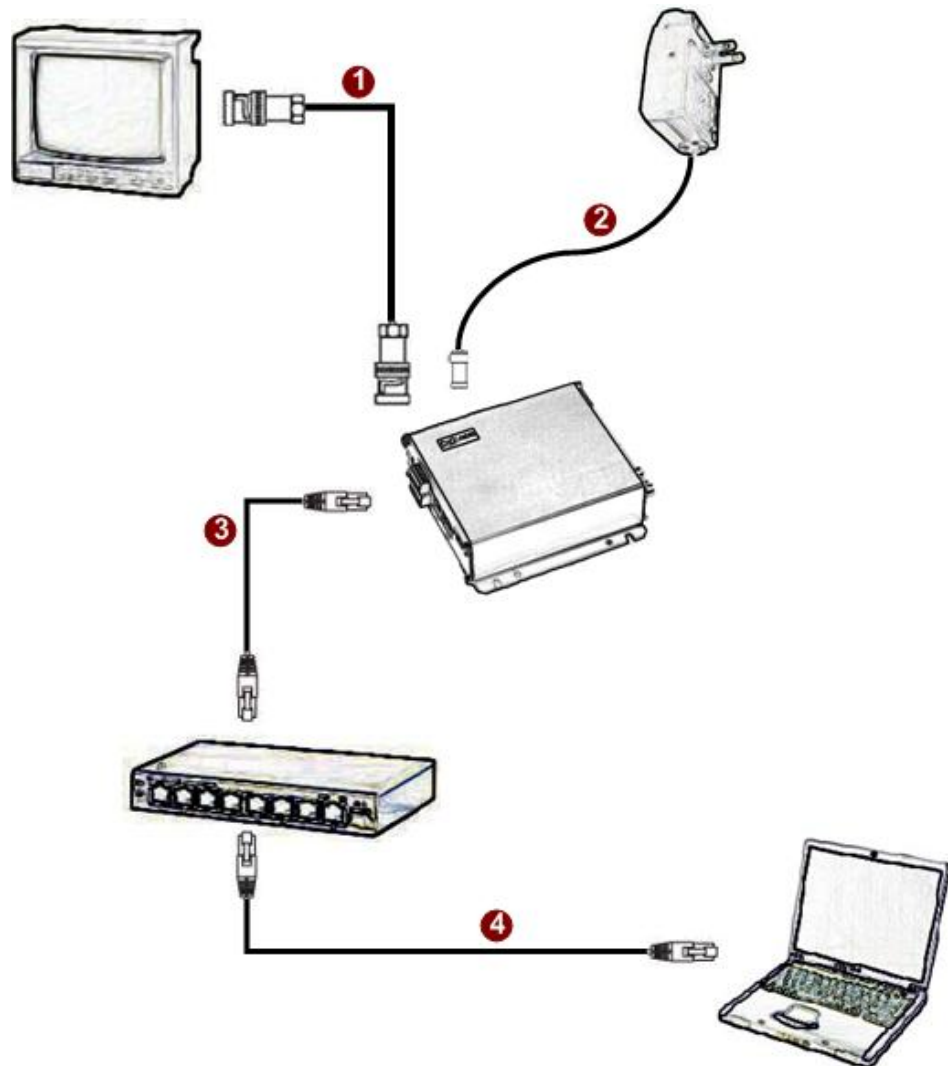
10	Rx-	Rx-
11	12V	Power Input (DC +12V)
12	GND	Ground Pin of Power Input & RS-232

**9. Ethernet Port**

The Video Encoder connects to the Ethernet via a standard RJ45 connector. Supporting NWAY, this Video Encoder can auto detect the speed of local network segment (10Base-T/100Base-TX Ethernet).

## 1.3 BASIC CONNECTIONS

Follow the procedures below to connect the Video Encoder to the respective apparatuses.



1. Connect an analog monitor to Video Encoder video out (BNC connector).
2. Connect the power adaptor to Video Encoder
3. Connect Video Encoder's ethernet port to an Ethernet (RJ45 connectors). If your Video Encoder has PoE built-in, you can regard it as a PD and connect it directly to a PSE device like PoE switch.
4. Connect a PC to the Ethernet hub (RJ45 connectors)



**NOTE:** You may find a support package for help you getting familiar with PoE. Please visit our web site, and get the support document TS-00040.

# 2

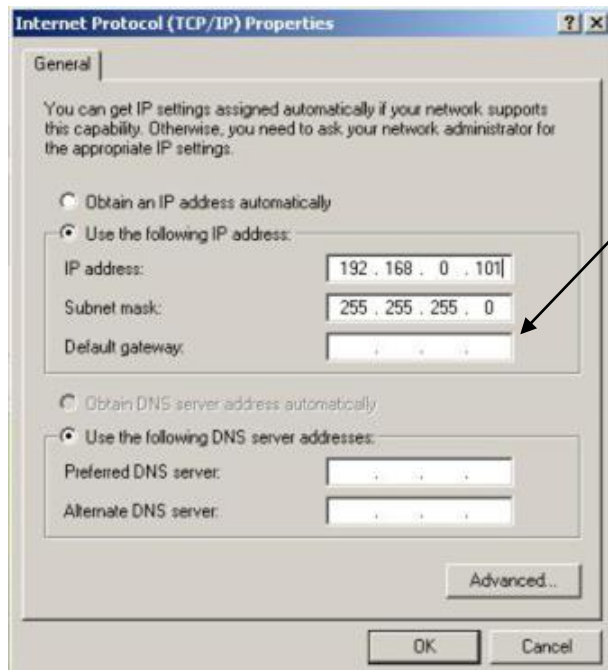
## Quick Tour

This section guides you with a quick tour on this Video Encoder.

### 2.1 Configure this 1-channel MPEG-4 Video Encoder

#### 2.1.1 Make sure network environment

Default IP of this Video Encoder is 192.168.0.100. Please make sure this Video Encoder and your PC are on the same network segment before running the installation.

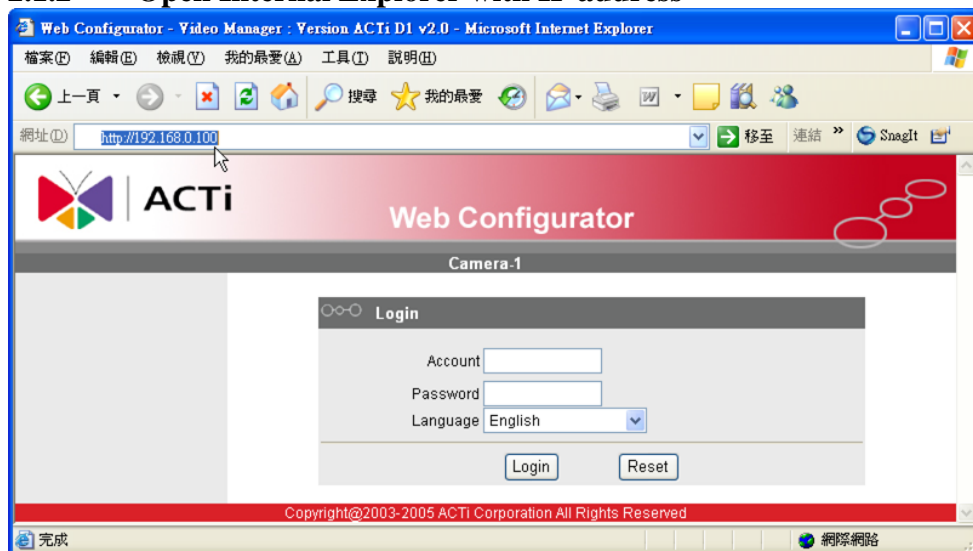


Please set the settings as below.

IP address: 192.168.0.xxx  
Subnet mask: 255.255.255.0

(NOTE: xxx should be a number from 1 to 254, but 100 is excepted.)

## 2.1.2 Open Internal Explorer with IP address




**NOTE:** If your web browser is earlier than IE6, then download IE6 is recommended.



**NOTE:** This 1-channel MPEG-4 Video Encoder default IP address is set to 192.168.0.100

## 2.1.3 Login with default administrator's account & password



**NOTE:** Default administrator account is set to **Admin**, password is set to **123456**, and click  button.

## 2.1.4 Preview the video

ACTi Web Configurator

Camera-1

>> **4** Quit

Video Display

**1**  Mute  Audio Out **2**

**3** If you can't see the video, click here.

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## 2.1.5 Set the new IP address

ACTi Web Configurator

Camera-1

>> Video Display  
>> Host Setting  
>> **WAN Setting**  
>> Date Setting  
>> Video Setting  
>> Video Adjust  
>> User Account  
>> System Info  
>> Firmware

WAN Setting \*

**1**  Dynamic IP Address  
**2**  Static IP Address

IP Address 192 . 168 . 0 . 100 **3**  
Subnet Mask 255 . 255 . 255 . 0 **4**  
ISP Gateway 192 . 168 . 0 . 254 **5**

**6**  PPPoE

User Name  **7**  
Password  **8**



**9**  **10**

PPPoE Server Settings

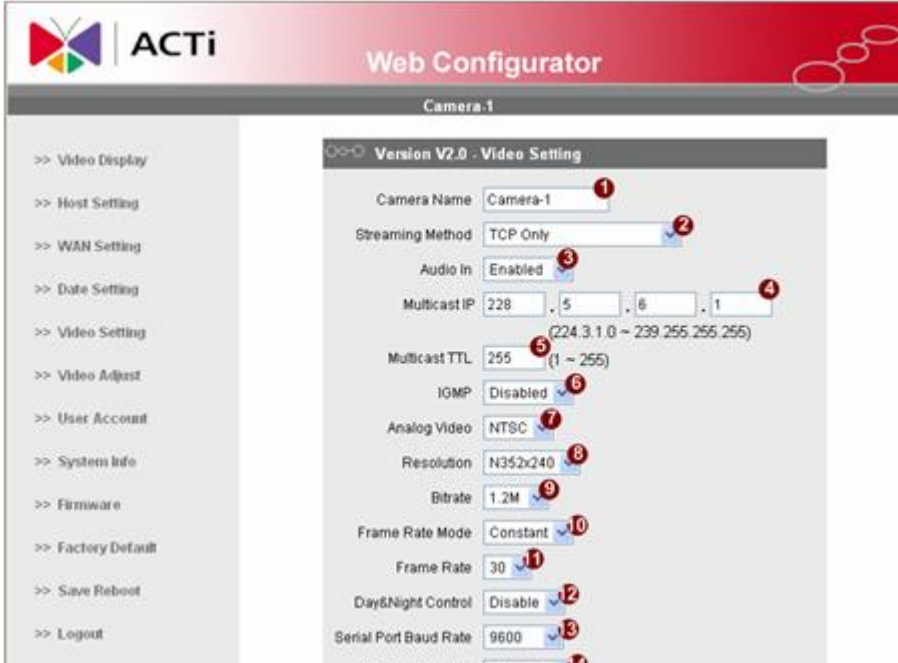
\***IP Address** : The default IP address is 192.168.0.100.



\***Subnet Mask** : The default subnet mask is 255.255.255.0

\***Click**  button

	<b>NOTE:</b> In your Client PC, please make sure the setting of Network Connections Type is set to Auto Negotiation, since this Video Encoder follows MII standard. Otherwise, you might not see the live image.
	<b>IMPORTANT:</b> After the IP address is changed, please record this IP address. There's no way to connect to the Video Encoder if user forgets the new IP address.

## 2.1.6 Check Default Video Setting



 **NOTE:** Please make sure the TV Input (NTSC / PAL) is meet your requirement, and click  button.

2.1.7 Click **Save Reboot** to restore all settings and please wait about 30 seconds for system reboot.