

H.264 SD/HD encoding Card (C150)

User Guide



1. Product Introduction

This is the Operation Guide for C150 H.264 SD/HD encoding Card. It

is used for encoding H.264 SD/HD program.

- SDI-IN: the SDI Digital video embedded audio input
- HDMI-IN: the HDMI Digital video embedded audio input
- EXT-IN: 1 × YPbPr component vide, extended via DVI / 1 × CVBS, extended via DVI



	需要验证		×	1
	http://192.168.1.2	53 请求用户名和密码。信息为: "Goahea	id"	
	用户名: Admin 密码:		-	
		定 取消		
(END		
	1.23	EMR Enhanced Multimedia Pr	outer	
	Mar de	E Indiriced Molinneold R		-
	4	20 You are welcome to use t	the system!	
	数码视讯	中文 Englis		
	Version 3.0.4.4 Copyright 2000-2013 Sumavision Inc. All rights reserved.			

2. Web Manager System parameter configure

Step ①: Open the web browser (IE, Chrome, Firefox...) and enter

IP address of EMR (check it from front panel) in the address bar, then a login and password will be asked, the default login is **Admin**, and default password is **sumavisionrd**;

Step (2): Choose a language, for example **English**;





Step ③: Click **Cards**, all cards inserted in the EMR 3.0 can be

Sumavis 数码视			edia Router		Home Logout CReboot]
Cards	Multiplexing	Output	Backup	General	Logged in as: Adm	nin
Card List	< 🟠>	Cards > Card2-AVC	CHDENCCard > Port	1		
Card2-AVC HD EN	IC Card	Video	Audio	TS	Monitor	
Port 1		Genera	1			^
- GbE 1			Encode: On		GOP Structure IBBP	
GBE 3			Bitrate(bps): 800000	10	GOP Size: 12	
GbE 4			Selection: SDI Et	1C 🗸	IDR Frequency(GOPs): 1	
		Outp	out Resolution: Auto	v -	Entropy Coding: CABAC	
			Profile: High	>	OP Video Loss: Color Bar	
			Level: 4.0	~	Test Pattern: PAL	
			Sync Mode: Interna	Il Sync 🗸 🗸	Pass Delay(ms): 200	
			Aspect Ratio: Auto	× -		
		CVBS				
			Brightness: 128		Saturation: 128	7
			Contrast: 128		Hue: 128	
				Apply	Petrock	~
Outras O	Candi O	Card?	0.00	Apply		

shown on the left side of the web page;

Step ④: Click **Port 1**, all setting parameters are shown on the

right of the web page;

Step (5): Click **Video**, all setting parameters of Video are shown on

this page;

Step (6): At first, make sure Encode **Switch** is on;

Step ⑦: Enter bitrates value;

CBR or VBR bitrate mode can be chosen here;

Step (8): Select source, keep the source of actual interface with Opt

ion value is the same;

Step (9): Select output resolution;

Step (1): **Color** bar or **no output** mode can be chosen for no

source input;



Step 1: PAL, NTSC or other modes can be chosen here;

Step 12: Select Sync Mod;

Step (3: 4:3, 16:9 or Auto aspect can be chosen here;

Cards Multiplexin	og Output	Backu	p (General		Logged in as: Admin	
Card List <	Average Standard S	C HD ENC Card	I > Port 1				
Card2–AVC HD ENC Card Port 1	Video	Audio Selection	SDI ENC	s	Monitor IDR Frequency(GOPs): 1		
E Main GbE Card	Outr	out Resolution:	Auto	~	Entropy Coding: CABAC		
GbE 1 GbE 2		Profile:	High	~	OP Video Loss: Color Bar	J.	
		Level:	4.0	~	Test Pattern: PAL		
		Sync Mode:	Internal Sync	~	Pass Delay(ms): 200		
		Aspect Ratio:	Auto	~			
	CVBS						
		Brightness:	128		Saturation: 128		
		Contrast	128		Hue: 128		
	TXT	-					
						-	
		Start Pop	1		Start PosY: 1		

Hue; values can be adjust, if no need, keep default settings;

Step (): When need input Tele-Text, need input parameters of TXT;

Step (Starting position (horizontal ordinate) of TXT;

Step ①: Starting position (vertical ordinate) of TXT;

Step (19: Input Text Content;



<mark>Sumavi</mark> 数码者		MR hanced Multime	edia Router			A Home	Logout () Reboot
Cards	Multiplexing	Output	Backup	General			Logged in as: Admin
Card List	< 🏡	> Cards > Card2AVC	HD ENC Card > Port 1				
Card2-AVC HD E	ENC Card	Video	Audio	TS	Monitor		(
Port 1		General					^
GbE 1		General					
		San	nple Rate: 48kHz	*			
		Audio 1					
			Status: Encode		Bitrate	129khps	
		Enco	ding Type: MPEG-11 aver	11	Volume	0dB	
		LB	Channel: SDLCh 1 2		Mode	Stereo	
		CLFE	Channel: SDI-Ch 1.2	v	Delay(ms):	0	
		Ls Rs	Channel: SDI-Ch 1.2	4			
		Audio 2					
			Status: Off	¥	Bitrate:	128kbps	
		Enco	ding Type: MPEG-1 Layer	-II v	Volume:	0dB	
			Channel: CDI Ch 4 2	Apply	Refresh	Charan	× ×
and an a	Caudit O	0	0.00	Apply	Certif O		0.00

Step (19: Click Audio, all setting parameters of Audio are shown

on this page;

Step 0: "Status "is the audio function option. It can set as

encode, mode;

Step 2: Choose the needed audio mode;

数码视讯 Cards Multiplexing	anced Multimedia Route	General		Log	ged in as: Admin	
rd List	Cards > Card2AVC HD ENC Car	d > Port 1				
Card2-AVC HD ENC Card	Video Atidio	TS	Monitor			
-GbE 1	Service ID	D: 3	Video PID:	82		
- DE	Service Name	e: ENC3	Audio 1 PID:	83		
	Service Provide	r: DVT	Audio 2 PID:	84		
	PMT PIC	D: 80	Audio 3 PID:	85		
	PCR PIE	D: 81	Audio 4 PID:	86		
		Ap	ply Refresh			

Step \mathfrak{Q} : All TS information can be set here;



Here is about the service ID, service name and PID values set by user;

Sumavision 数码视讯	EMR Enhanced Multimedia Rout	er	Home 2	Logout 🕐 Reboot
Cards Multiplexing	g Output Bac	kup General		Logged in as: Admin
rd List <	☆ > Cards > Card2AVC HD ENC C	ard > Port 1		
ard2-AVC HD ENC Card	Video Audio	TS	Monitor	
Port 1 ain GbE Card	Video			^
GDE 1 GDE 2 GDE 3 GDE 4	inp Input Stati Input Resolutiv Frame Ra	ut: SDI is: Unlock in: 720x576 te: 50i	Bitrate: 9.4Mbps Cic 16 Line: 0-0 CC Error: 1	
	Audio 1 State Standa	IS: Enc rd: MPEG-1 L2	L R Channel: Demux 1-2 CC Error: 0	
	Bitra Audio 2	te: 128kbps		
	Statu	IS: Off	L R Channel: Degux 1-2	, v
		Refi	esh	
/stem 😝 Card1 🎯	Card2 😝 Card:	3 🔘 Card4 😡	Card5 💿 Card6 🕥	Card7 😑

Step 2: Click **Monitor** to check all status of Video and Audios;





Sumavision 数码规讯	EMR Enhanced Multimedia Router			A Home Logout O Reboot	
Cards Multiplexing	Output Backup	General		Logged in as: Admin	
Multiplexing List <	☆ > Multiplexing > Service Multiplexing				
Service Multiplexing PID Map	Input Input Card: card2-AVC HD ENC Card	×		Output Card: Main GbE Card 🗸	
	AVC HD ENC Card AVI HD ENC Card AVI HD ENC Card Cortv-1(SID:3) AVI HD ENC Card AVI HD ENC Card Mpeg1 Audio Pid=83		•	■ Main GDE Card ■ ■ ■	
			Refresh Apply		

3, Program Multiplexing Configuration

- Step 🕗 : Click the **Multiplexing** button;
- Step 29 : Click Service Multiplexing;
- Step \mathfrak{O} : The program after encoding is shown under **ASI 1**;
- Step 2: Choose an output port (for example Main GbE Card Phy
- 1 Udp Port1);
- Step 29 Click program will be multiplex from H264 SD/HD
- encoding card port 1 to IP output;
- Step 29 : After that, click **Apply** to save.