6. 4 CHANNELS SDI HD ENCODING MODULE

6.1 INSTALL

4 channels SDI HD encoding module as shown in figure 6-1. Insert it to slot on INTT 8000 platform then tighten screws.



Figure 6-1

6.2 ENCODING SETTING

Click "4 channels SDI HD encoding", as shown in figure 6-2.

Step1: select encoding channel. Optional channel1~4.

Step2: edit the video and audio parameters.

Step3: edit program information.

Step4: click "submit", apply the parameters.

+ Equipment Info							
+ Input Settings	E-HD-0412-00-01(4 Cha	annels SDI HD Enco	ding)				
+ Slot Settings	Encode channel-1	Encode channel-2	Encode channel-3	Encode chan	inel-4	Output Settings	General
SLOT-1	Video						
SLOT-2	Encode Format	H.264	▼ GOP		IBP	•	
SLOT-3	CBR/VBR	CBR	 Dynar 	nic Bitrate Max	3000		
SLOT-4	Video Average Bitrate	e 3000	Dynar	nic Bitrate Min	1000		
SLOT-5	Display aspect ratio	16:9	 Encod 	ler Enable			
+ TS Stream Settings			Input	Video Resolution	1920x1(080@60i	
+ Output Settings	Audio						
+ System Settings	Audio Formats	MPEG-1 Layer2	 Audio 	Bit Rate	256K	•	
	Audio Sample Rate	48K	▼ Sound	Mode	Stereo	*	
	Program Information						
	PMT PID(0x)	100	PCR P	ID(0x)	1051		
	Video ID(0x)	1111	Audio	ID(0x)	1000		
	Program Number	10	Progra	am Name	sdi_1		
	Provider	cctv					
				S	Submit		

Figure 6-2 encoding parameters

1 Reminding

Encoder output bit rate 1000kbps ~ 15000kbps continuously adjustable.

Input resolution up to 1920*1080i.

Other channels settings are same as channel one.

6.3 OUTPUT SETTINGS

Click "output settings" as shown in figure 6-3. Set the total bit rate that is Sum of four channels.

Encode channel-1	Encode channel-2	Encode channe	el-3 Encode cha	innel-4	Output Settings	General	Ī
Total Bit Rate							
TS ID(0x) Total Bit Rate	1111 38000	Kbps (ON ID(0x)	1234			
Total Bit Kate	Submit	Kbps					

E-HD-0412-00-01(4 Channels SDI HD Encoding)

Figure 6-3 set total bit rate

6.4 GENERAL

Click "general" as shown in figure 6-4. there shown the version of slot and encoding status, set upgrade and parameters import/export.

E-HD-0412-00-01(4	Channels SDI HD	Encoding)
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Encode channel-1	Encode channel-2	Encode channel-3	3 Encode chann	nel-4 Output Setting	s General	
Slot information						
Software Version FPGA Version Release time	v1.02 v0.03 2020-03-09 14:13	Ha Slo	rdware Version t Type	v1.00 E-HD-0412-00-01		
Equipment Upgrade	•					
Select File		Upgrade				
Parameter Import/E	xport					
Parameter Upload		Import				
Parameter Export	Generating Para	meters Export				
Note: After the parameter is imported, the daughter board will restart.						
Status Info						
Effective Bit Rate	16053	Kbps Ov	erflow alarm rate	•		
Channel	Encode channel-1	Encode channel-2	Encode channel-	3 Encode channel-4		
Input Status	•	٠	•	•		
Output Status	•	٠	•	٠		
Figure 6-4 genera	al					