Proxima[™] Encoder Manual

Media Archive Solution Co.,Ltd.

Proxima[™] Encoder Manual

Proxima[™] Encoder Manual

Proxima Encoder is an encoding/decoding software to make your own video server. Proxima Encoder is based on the software codec

- 1. Installation
 - Installing Proxima Encoder is an easy task to do. Just double clicking the install program will be doing all necessary installation for you.
 - i. Go to MediaArchiveSolution website (http://www.marchive.mov) and open the Product/download page if you do not have an installation package.



Image 1) Gemiso Website, www.gemiso.com

- You will find "**Product**" page from MediaArchiveSolution website and you can find the link to download page. There must be several versions and the version you need to download is the latest version.
- ii. If you finish downloading the latest installer, you can use it to install on your PC. Running the exe file will start the installation process.



Image 2) Welcome page of Installer

When you run the install program, you will see some picture like above. Then please follow the instruction from the installer.

🕞 Proxima Multi Encoder 1.0.3	.85 Setup						
Choose Components Choose which features of Proxima Multi Encoder 1.0.3.85 you want to install.							
Check the components you want to install and uncheck the components you don't want to install. Click Next to continue.							
Select components to install:	 ✓ Proxima Encoder ✓ Desktop shortcut 						
Space required: 62.5MB	Description Position your mouse over a component to see its description,						
Nullsoft Install System v2.46 ——	< Back Next > Cancel						

Image 3) Choose compenents page

Just click "Next" button to proceed. Automatic installation processes will copy all the files and register all necessary settings on your computer.

😚 Proxima Multi Encoder 1.0.3.85 Setup
Choose Install Location Choose the folder in which to install Proxima Multi Encoder 1.0.3.85.
Setup will install Proxima Multi Encoder 1.0.3.85 in the following folder. To install in a different folder, click Browse and select another folder. Click Next to continue.
Destination Folder C:\#Program Files (x86)\#GeminiSoft\#Proxima Encoder Browse
Space required: 62.5MB Space available: 79.7GB
Nullsort Install System V2,46 < Back

You can select the path to install. We recommend not to change the destination folder.

🕞 Proxima Multi Encoder 1.0.3.85 Setup		
Installing Please wait while Proxima Multi Encoder 1.0.3.8	5 is being installed.	
Extract: mc_mux_mp2.dll		
Extract: mc_demux_mxf.dll Extract: mc_demux_mxf_ds.ax Extract: mc_enc_mp2sr.dll Extract: mc_enc_mp2v.dll Extract: mc_enc_mp2v_ds.ax Extract: mc_enc_mpa.dll Extract: mc_enc_mpa_ds.ax Extract: mc_enc_pcm.dll Extract: mc_mfimport.dll Extract: mc_mux_mp2.dll		*
Nullsoft Install System v2.46	< Back Next >	Cancel

The installer will copy and register all the necessary files and settings on your computer system.



When the installation process is done, you will see the page like above.

You now have completed the installation.

2. General Explanation

Proxima Encoder is encoding software but we have been trying our best to make this system can be used as emergency decoding system as well. Proxima Encoder is named as an "Encoder" but actually is a Video server based on software codec.

• General User Interface

Proxima Encoder looks like the picture below. It has a list, showing the recorded files and channel windows up to 4 windows. Each channel window can be configured as Play or Rec mode.



Image 4) Proxima Encoder with 4 channels

Global Setting

Global setting window can be opened by clicking "CONFIG" button in the righttop part of application.



When you click the button, it will open the window in the next page.

In the Global Setting, CONFIG window, you can set up the followings.

General tab.

ONFIG					
	General MAM				
	Channel count:	● 1 ● 2 ● 3 ● 4			
	Language:	EN: English			
	Log level:	Debug			
	🗴 Use common capture fo	lder			
	Capture Folder:	H:\Temp\Capture			
	Info cache folder:				
	× Show already captured	files at program start			
	🗴 Use semicolon for Drop	Frame timecodes only for last position			
	🗴 Use Drop Frame timeco	odes			
	Grid image width:	96			
	0				
	Open settings folder				
	About	OK Cance			

- Channel Count : It is based on the channels of your IO card; Bluefish or Decklink card.
- Language : You can set up which language you want to use.
- Log level: verbosity level of logging.
- Common Capture Folder: If you set up this folder, it will be the folder for every channel will save the recorded file.
- Info cache folder: if empty then POE creates subfolder named PEncoderCache under capture folder and stores there XML files with clips metadata. Otherwise specified here folder is used.
- Use Drop Frame timecodes: for NTSC framerate use Drop Frame timecode format.
- Grid image width: you can set up width of thumbnails in the Media Browser list

There is also "Open setting folder" button. If pressed then explorer window opens with folder where settings and log files are located.

MAM tab

CONFIG	x
General MAM	
🗙 Use media register	
× Auto run after recording started	
Media register control port: 5600 🛛 Localhost only	
🗙 Use media transfer(NetDist)	
Transmission run point: Rec end	
Use Create Index file	
Transfer path: H:\Temp	
About OK Cancel	

- Use media register : enable it to use MAM registration module during file capture. Registration module execution file should be specified in settings INI file manually in MAM.MediaRegisterModuleFullName key.
- Media register control port: MAM registration process includes registration info feedback from MAM server. POE opens specified port and waits metadata there.
- Localhost only: if enabled then media register control port, specified earlier, accepts connections only from local system and declines remote ones.
- Use media transfer: enable this to use NetDist module. It copies file to a new location after capture. Module execution filename must be specified manually in MAM.NetDistModuleFullName key of settings INI file.
- Transmission run point: select when to run NEtDist: at recording start or end.
- Use Create Index file: this value passed to NetDist executable
- Transfer path: target path, passed to NetDust executable
- 1 Channel Interface



If you have a Decklink or Bluefish IO card with just one channel, you can set up 1 channel for your Proxima Encoder.

• 2 Channels Interface

Proxima Encoder Logo		(2015-07-07 19:29:08)	CONFIG X
	L(rec) so rec :00:41:00	Marrie: D: Westernger Witholgener/W20150018_065925_31_3000.md Created: 3019-0119_012 C:0.018926 Marrie: D: Westernger Witholgener/W20150018_065925_31_3000.md Auto: Interme: D: Vesternger Witholgener/W20150018_065927_330_3000.md Created: 313-06115_CC S:744 Withorit: Reme: ID: Westernger Witholgener/W20150018_065927_330_3000.md Created: 313-06115_CC S:744 Withorit: Reme: ID: Westernger Witholgener/W20150017_153499_s07_3000.md Created: 313-06115_CC S:744 Withorit: Reme: ID: Westernger Witholgener/W20150017_153499_s07_3000.md Created: 313-06115_CC S:744 Withorit: Reme: ID: Westernger Witholgener/W20150017_153499_s07_3000.md S:000.md	
	DUR 00:00:00:00 142:00 01:01:42:24 12 W7 1 H [STILL] SETTINGS	Video: Transe: 1920.2030, fp: 29.37, aged:: 16/9, duration: 21.1211.sec Audio: channets: 7, fers; 14000, Mis: 7, doi:31, doi:	
		Created: 3015-06-17 2; Cl 8005:14 Web France: 12020040, [bit: 20-7, appect: 16:9, duration: 24.6246 sec Audio: channeli: 2, Feg.; 14000, biti: 16 Created: 3015-06-17 5; Cl 7:3431.307.3000.md Created: 3015-06-17 5; Cl 7:3431.307.3000.3000.3000.3000.3000.3000.300	1
CH-s	SD PLAY	Name: D: Walkonge/Winjbres/W20150522, 110108, 34_1088.md Createl: 3016-952, 32 (51 11013) Video: Frame: 120201080, [fiz: 28,97, aspect: 16/9, duration: 681.381 sec Natic: channel: 4, fire; 18000, Miz: 1004, 126, 3472.md Fame: D: Walkonge/Winjbres/W20150520, 103004, 126, 3472.md Fame: D: D: Solid Createl: 3016-900520, 126, 3472.md Fame: D: D: Solid Createl: 3016-900520, 126, 3472.md Fame: D: D: Solid Createl: 3016-900520, 126, 3472.md Fame: D: D: Solid Createl: 30164, 3472.md Fa	
00	2:00:00:00 REM 00:00:00 DUR 00:00:00:00	Audio: channels: 4, Freq. : 18000, bitt: 10 Created: 913-0913 (2), 4100-91 Created: 913-0913 (2), 410-91 Created: 913-0913 (2), 412-413 Created: 913-0913 Created: 913-0913 Created: 913	•
	.P SETTINGS	Audio: channels: 4, Freg 18000, Bits: 16 Manne: D. Watoroge Windpiese V201509 J. 22514, 680, 1380 md Creates: 2013-07-19 5; 7 12, 225, 214 Mole: Tranes: 12020100, fps: 20-29, aspect: 1619, duration: 43, 9439 sec Manne: D. Watoroge Windpiese V2015019, 111456, 755, 5604.md Franes: 20, Watoroge Windpiese V2015019, 111456, 755, 5604.md	
		Video: Frame: 1920.20180, fps: 29.97, aspect: 16-9, duration: 246.046 sec Video: channel: 4, frac; 4800, bits: 16 Frame: D: WatcongetWinghres/W2150519_110426_610_6004.md channel: 920-20180, fps: 2019.7, aspect: 16-9, duration: 314.314 sec Video: channel: 4 frac; 4800, bits: 16	

If you have 2 channel interface card, then you can set up 2 channels. Then the User interface will look like above.

• 3 Channels Interface

Proxima Encoder Logo	2015-07-07 19:29:42	CONFIG
CH-1(reg) ND 10 100	Imme: 0.19 45 arc.12 st.02	CH-2-REC HD SD PLAY
	Audo: chamateri 2, freq. 48000, bits Marine: D Macagard, highpartw/2013 0 Created: 2013 66 J7 - 27 - 21 - 21 - 45 Valor: Chamateri 2013 66 J7 - 27 - 21 - 21 - 45 Valor: Chamateri 2, freq. 48000, bits Created: 2015 66 J7 - 27 - 21 - 65 Created: 2015 66 J7 - 27 - 21 - 65 Created: 2015 66 J7 - 27 - 21 - 65 Created: 2015 66 J7 - 27 - 21 - 65 Created: 2015 66 J7 - 27 - 21 - 65 Created: 2015 66 J7 - 27 - 21 - 65 Created: 2015 66 J7 - 27 - 21 - 65 Created: 2015 66 J7 - 27 - 21 - 65 Created: 2015 66 J7 - 27 - 21 - 65 Created: 2015 66 J7 - 27 - 21 - 65 Created: 2015 66 J7 - 27 - 21 - 65 Created: 2015 66 J7 - 27 - 21 - 65 Created: 2015 66 J7 - 27 - 21 - 65 Created: 2015 66 J7 - 27 - 21 - 65 Created: 2015 67 - 27 - 21 - 65 Created: 2015 67 - 27 - 21 - 65 Created: 2015 67 - 27 - 27 - 25 Created: 2015 67 - 27 - 27 - 27 - 25 Created: 2015 67 - 27 - 27 - 27 - 27 - 27 - 27 - 27 -	00:00:00:00 REM 00:00:00:00 DUR 00:00:00:00 BB LP SETTINGS
CH-3 HD SD PLAY	Weiter Dereich 2005 der Genz 30.7 Weiter Dereich 2005 der Genz 30.7 Weiter Dereich 2005 der Genz 4000, bis Weiter Dereich 2015 der Genz 4000, bis Weiter Bernet 1920-traßen, fürst 30.7 Weiter Bernet 1920-traßen,	
00:00:00:00 REM 00:00:00 DUR 00:00:00 DUR 00:00:00	Constantie: 2 193 599 20 20 19 19 19 20 Constantie: 2 193 599 20 20 19 19 19 20 Constantie: 4 Area; - 46000, Bets Marie: 10 Managerga Magnetwicki, Bets Constantie: 2 19 30 - 2 4 2 4 6 6 6 4 Constantie: 10 4 19 20 4 Andre: Channelles 4, Area; - 46000, Bets Marie: 10 Managerga Magnetwicki, Bets Constantie: 2 19 59 19 2-4 2 12 4 20 2 Marie: Thema: 19 20 10 2-4 2 12 4 2 Marie: Thema: 19 10	
BB LP SETTINGS	Amme: D: Widerings Wingdows W20139 View Transis 1920/1020, fp: 29.97, Auto: channels 4, proc. 4000, bits View Transis 1920/1020, fp: 29.97, Auto: channels 4, proc. 4000, bits View Transis 1920/1020, fp: 29.97, Auto: channels 4, proc. 4000, bits View Transis 1920/1020, fp: 29.97, Auto: channels 4, proc. 4000, bits Auto: channels 4, proc. 4, proc. 4000, bits Auto: channels 4, proc. 4000, bits Auto: c	

In case of 3 channels, Proxima Encoder will have 2 channels on the left side and 1 left channel on the right side.

- 4 Channels Interface

With 4 channels, Proxima Encoder will show 4 channels at the same time.

- 3. Each Channel
 - Switching between Record mode and Player mode

Each channel can be configured as a PLAY mode or a REC mode. You can send your movie into SDI form in PLAY mode. And you can record video from SDI input in REC mode.

You can change mode clicking the label "PLAY" or "REC."



From the picture above, you see the PLAY. When you click the PLAY label, it will be changed to REC(in red color) and the channel will be changed to Record mode.

Play mode

In PLAY mode, you can play almost any kind of video formats available on the market. From XDCAM MXF to h.264/mp4, most of video codecs are supported by Proxima Encoder.



Record mode

In RECORD mode, you can record input video to digital file. As well as the High resolution files, you can record low resolution files at the same time with the proper settings.

- High Resolution formats :
 - Default codec : HD XDCAM MXF / SD IMX MXF
 - Optional codec : DV25/DVCPRO50/DVCPRO-HD/AVC-Intra50/AVC-Intra 100
- Low Resolution formats : h.264/AAC/mp4
- Play/Record List

Each channel has a list at the bottom. You can simply drag one of more files to play out from Media Browser or Windows File Explorer to add to play list. If you record files, those files will be added to the list automatically.

4. Media Browser



Media Browser is located on the right side or center side. The location is depending on the number of channels. If you have 1 or 2 channels to en/decode then the Media Browser will be on the right side. Otherwise it will be in the center. Media Browser will show you all the files recorded from the computer. You can delete or remove the file from the list or also from the disk.

5. Configuring each channel

Now you are ready to use Proxima Encoder and you understand everything for Proxima Encoder.

You can press SETTING button to open window where are various channel properties can be tuned.

General tab.

SETTINGS						x
Playback	Seconda	y Output	Preview	r Re	mote Control	
General	Capture	Encoding	Presets	MAM	Schedule	
Channel name:	CH.1				Font	
	EN: EI	nglish				
Log level:	Extra	debug	~			
Show all Dir	rectShow filter	s in selection	lists			
🗴 Use semicol						
🗙 Use Drop Fr						
Grid image wid	lth: 96					
Open settings	folder					
About	Export	Import		ОК	Cancel	
					Carleer	

- Channel name: You can give a name for each channel to distinguish with other channels. It will be effected right away.
- Language, Info cache folder and other options here are greyed out because they are controlled by Global Settings screen.
- Show all DirectShow filters...: enable this to see all DirectShow filters in a selection lists in Settings window instead of showing only Renderers filters. Useful for some rare cases with poorly designed filters.

Capture tab.

				×
Playback Se	econdary Output	Preview	Remote	e Control
General Capt	ure Encoding	Presets	MAM	Schedule
Capture folder:	H:\Temp\Capture			
Video source:	Integrated Camera			- X
Video stream format:	MJPEG 640x360	@30		
Audio source:	Микрофон (Realte	k(R) Audio)		
Audio stream format:	Auto			
Enable audio monit	oring during capture			
Main Proxy				
ĭ Enable				
Encoding preset:	Apple ProRes 4	22 (LT)/MOV		_
Tune bitrate:				
Change frame ty	pe: Bottom field fi	rst		
Change frame si	7e: 1920 X 108	0		
VTR				
Control port: Non	ie 🔽			
Preroll(sec): 5				
Override TC rate(x10	0): 0			
About Export.	Import		ОК	Cancel

• Capture video source: You need to define which source will be used for the encoding. If you have a 4-channel Decklink card, then you will see like following. You can select from the list shown in the Capture video source combo list.



 Input video stream format : It will define the resolution, color space and framerates. Each board may have different settings, so please consult your local resellers to set up properly. This list is shown differently for each board. The picture below is based on Blackmagic Decklink.

Default
Default
0. Type: UYVY, size: 720x486, fps: 23.976 1. Type: UYVY, size: 720x486, fps: 23.976 2. Type: UYVY, size: 720x576, fps: 25 3. Type: HDYC, size: 1920x1080, fps: 23.976 4. Type: HDYC, size: 1920x1080, fps: 24 5. Type: HDYC, size: 1920x1080, fps: 29.97 7. Type: HDYC, size: 1920x1080, fps: 29.97 7. Type: HDYC, size: 1280x720, fps: 50 9. Type: HDYC, size: 1280x720, fps: 50 9. Type: HDYC, size: 1280x720, fps: 59.94 10. Type: v210, size: 720x486, fps: 23.976 13. Type: v210, size: 720x486, fps: 23.976 13. Type: v210, size: 1920x1080, fps: 23.976 15. Type: v210, size: 1920x1080, fps: 23.976 15. Type: v210, size: 1920x1080, fps: 24 16. Type: v210, size: 1920x1080, fps: 25 17. Type: v210, size: 1920x1080, fps: 30 18. Type: v210, size: 1920x1080, fps: 30 19. Type: v210, size: 1920x1080, fps: 30 19. Type: v210, size: 1920x1080, fps: 30 19. Type: v210, size: 1920x1080, fps: 30 20. Type: v210, size: 1280x720, fps: 50 20. Type: v210, size: 1280x720, fps: 50 20
Some common selection :
SD NTSC - size : 720x486, fps: 29.97
SD PAL - size : 720x576, fps: 25
HD 60i - size : 1920x1080, fps: 29.97
HD 50i - size : 1920x1080, fps: 25

Also note : This value will be applied to the output signal at the same time.

• Capture audio source : You need to define which audio source will be used for the encoding. Select "Selected video device" to use capture device that produces both video and audio streams.

• Input audio stream format : All supported audio stream formats will be shown in the combo list. You can select one that fits to your environment.

Two things are important to record the file without performance issue: disk performance and CPU performance. If you do not have a very good HDD or RAID inside of your Encoding PC, then you can configure each encoding channel to use a different HDD to avoid performance issues.

• Enable audio monitoring during capture: You can hear the audio from your Encoding PC speaker if you have checked this option.

Each Proxima Encoder channel can capture input into one or two media files simultaneously. Thus encoding settings for each file – Main and Proxy following:

• Enable: use this encoding format

• Encoding preset: select encoding preset from list of known presets(see Encoding Presets tab)

• Tune bitrate: if preset allows then user can modify video bitrate here

• Change frame type: user can change input frame type, for example to "Progressive" to deinterlace video.

- Change frame size: user can resize input video before encoding. Useful for Proxy format to create small size proxy file
- VTR control port : If you have a VTR to ingest or to outgest, then you can set up the control port from here. Also for the VTR ingest, you should set up the preroll time here. 5 seconds are recommended.
- Override TC rate: in a case when timecode frame rate is shown wrong user can specify correct one here. Value must be integer equal framerate multiplied by 100, for example 2997 for NTSC.

Encoding Presets tab.

 SETTINGS							
Playback	Secondar	y Output	Previe	w	Remote	Control	
General	Capture	Encoding	Presets	MAM		Schedule	
General General AVC-Intra AVC-Int AVC-Int AVC-Int AVC-Int AVC-Int AVC-Int APPle ProR Apple P Apple ProR Apple ProR Apple ProR Apple ProR Apple ProR Apple P Apple	Capture Capture ra 100/MXF ra 200/MXF ra 50/MXF es MOV roRes 422 (HQ roRes 422 (LT roRes 422 (MQ roRes 422 (HQ roRes 422 (LT roRes 422 (LT roRes 422 (LT roRes 422 (LT roRes 422 (MX) roRes 422 (MX)	Encoding Encoding)/MOV)/MOV)/MOV V V V V V V V V V V V V V V V V V V	Presets	мам		Schedule New Clone Edit Delete	
DNXHD I DNXHD I DNXHD I DNXHR DNXHR DNXHR DNXHR DNXHR DNXHR DNXHR DNXHR DNXHR V DVCPRO DVCPRO DVCPRO	HQ/MXF HQX/MXF SQ/MXF HQ/MXF HQ/MXF HQX/MXF LB/MXF SQ/MXF O HD NTSC/MX Export	Œ Import		0		Cancel	
ribout	exportan	inportan		0		Cancel	

There is the list of all known encoding presets here. User can create new, modify, clone and delete existing presets using appropriate buttons.

Also user can use context menu for these actions.

Presets organized in groups by codec and format. Group name must be unique.

Preset Editor.

	ENCODING PRES	SET EDITOR			x
Gro	up:	AVC-Intra			
Nar	ne:	AVC-Intra 100,	/MXF		
Ee	rmat	MVE (Matorial	oVebango Format)		-
	deo codec	liby264 H 264	/ AV/C / MPEC-4 AV/	C / MPEC-4 part 10 []	ibv264]
A		PCM signed 24	-hit little-endian [n	cm s24le]	10,204]
1		T CHI Signed 21			
	Parameter		Value		<u> </u>
	audio_preload	d	0		
	avioflags				
	avoid_negativ	/e_ts	auto		
	chunk_duratio	on	0		
	chunk_size		U		
	dump_separa	itor	/ pormal		
	fdebug		Tiorria		
	ffl split audio	to mono	auto		
	fflags		autobsf		
	flush nackets		-1		
	max delay		-1		
	max interleav	ve delta	10000000		
	 metadata_he	 ader_padding	-1		
	output_ts_off	set	0		
	packetsize		0		•
	microseco Type: <inf< td=""><td>nds by which a t>. Min: 0, max</td><td>udio packets should :: 2.14748e+09. Def</td><td>l be interleaved earlie fault: 0</td><td>er 🔺</td></inf<>	nds by which a t>. Min: 0, max	udio packets should :: 2.14748e+09. Def	l be interleaved earlie fault: 0	er 🔺
				OK Ca	ancel

- Group: preset group name
- Name: preset name
- Format: select container format from the list of possible formats
- Video codec: select video codec to use for encoding from a list of codecs that supported by selected format
- Audio codec: select audio codec to use for encoding from a list of codecs that supported by selected format

When user selects any of above item(format or codec) then following Table of Parameters updates and displays all tunable parameters for this item. User can see and modify any of these values.

Depending of parameter type value can be selected from a list or typed as a string or a number. Flags are shown as a checklist.

When user selects one of parameters in this table then short parameter description, including its type and possible values, is displayed below the table.

MAM tab.



- Use media register: enable Media Register module for this channel
- Use media transfer: enable NetDist module for this channel

Schedule tab. Settings for scheduled capturing mode.

<u> </u>		•				
 SETTINGS						
Playback	Second	lary Output	Previev	v Re	mote Control	
General	Capture	Encoding	Presets	MAM	Schedule	
Timeline vie	w					
Hours to disp	lay after now	: 72				
Hours to disp	lay before no	w: 12				
Max zoom in	(mm per hou	ır): 60				
Schedule se	rver					
× Use serve	r					
URL:	http://	tean pline o	-	sch	edule	
Update perio	d(sec):	5				
Use local IP		192 168 0 108	2			
030 10001 11 .		192.100.0.100	·			
About	Export	Import.		0/	C	
, loour	caportan	Importan		OK	Cance	<u> </u>

• Hours to display after/before now: user can set duration of Timeline view – how many hours before and after now should be visible

• Max zoom in: Timeline view allows a changing of scale via zooming in and out by mouse wheel and Ctrl key. To prevent unnecessary magnification there is the limit – maximum size in mm that one hour can take.

- Use server: turn on downloading schedules from schedule server
- URL: specify URL of schedule server
- Update period: period of checking for updates

• Use local IP: user can select IP from the list of presented in a system or specify it manually. This IP is sent to the schedule server in a schedule update request.

Playback tab.



• Video output : You should set up which DirectShow renderer will be used for playout.

Decklink Video Render	•
Decklink Video Render (2) Decklink Video Render (3) Decklink Video Render (4)	
Decklink Video Render	

 Playback audio output : You should set up which channel will be used for playout. Note that you should not set the DirectSound Speaker(Blackmagic Audio).

Decklink Audio Render 🗸 🗸
스피커(4- Blackmagic Audio)
Decklink Audio Render
Decklink Audio Render (2)
Decklink Audio Render (4)
Decklink Audio Render (3)
Default DirectSound Device
Default WaveOut Device
DirectSound: Realtek Digital Output(Realtek High Definition Audio)
DirectSound: 스피커(2-Blackmagic Audio)
DirectSound: 스피커(3-Blackmagic Audio)
DirectSound: 스피커(4-Blackmagic Audio)
DirectSound: 스피커(Blackmagic Audio)

• Enable audio monitoring : With this option, audio can be monitored through your PC speaker.

- Specify output video format: user can set up video format that should be used for output device. All video is conformed to this format. If format is not specified then default format is used
- Specify output audio format: user can set up audio format that should be used for output device. All audio is conformed to this format. If format is not specified then default format is used

Secondary output tab.

SETTINGS						×
General	Capture	Encoding	Presets	MAM	Schedule	
Playback	Seconda	ry Output	Preview	Re	mote Control	
Video output:	None				- X	
Audio output:	None				▼ X	
About	-xnort	Import.		0/	Canad	
, ibout	sportan	Importan		OK	Cancel	

Proxima Encoder can output playback to two outputs simultaneously if needed. Here user can specify devices which secondary output should use.

Preview tab.

K	SETTINGS								x
	General	Captu	re	Encoding	Presets	MAM		Schedule	
	Playback	Se	condary	/ Output	Preview		Remote	e Control	
	Preview video d	levice:	Auto					×	
	Preview audio o	levice:	Default	DirectSoun	d Device				
	About	Export		Import		OI	٢	Cance	I

User can select what DirectShow renderer application must use for video and audio preview

Remote Control tab.

SETTINGS						>	٢
General	Capture	Encoding	Presets	MAM	Sch	hedule	
Playback	Secondary	y Output	Preview	ı f	Remote Co	ontrol	
VDCP Slave Control port: Use Drop F Override TC ra	None		PCS Remote Enabled	te Control	Protocol -		
× Lock UI und	der remote con	trol					
About	Export	Import		ОК		Cancel	

Proxima Encoder supports several remote control protocols. VDCP slave mode.

- Control port: select serial port to listen for controller commands
- Use Drop Frame timecode: select timecode format for NTSC framerate

• Override TC rate: in a case when timecode frame rate is shown wrong user can specify correct one here. Value must be integer equal framerate multiplied by 100, for example 2997 for NTSC.

PCS Remote Control Protocol

- Enabled: turn it on and off
- Local port: select listen port to use

• Lock UI under remote control: if one of remote control protocols is enabled then protect interface so user cannot interfere application working

There are common buttons in this window:

- Export: You can save the settings for later use as a file form. It can be used for setting backup.
- Import: You can load the settings from files.
- OK: Save and affect the settings to this channel.
- Cancel: Do not save and exit this window.

1. Using Record mode

Record mode has 3 modes; VCR mode, Instant and Schedule mode. VCR mode can be only enabled when it has a connection with VCR.

Instant and Schedule mode can be working without any special device.

6. VCR mode: VCR is the source device and Proxima Encoder will control the VCR to get the Encoding source signal. The VCR should support the SONY RS422 compatible control protocol.

7. Instant mode: Instant mode is the recording mode to start/stop recording instantly.

8. Schedule mode: Schedule mode allows you to record according to a schedule. Local or using a schedule server.

2. Using Play mode

Play mode has four modes: Back-to-back with looping, back-to-back without looping, Take and Tape Out mode.

9. Back-to-back mode : This mode plays the file in the playlist without any interval between files. If Looping is on, the playlists will be played again and again before you click "Stop."

In the back-to-back mode, the track bar will be changed to "Timeline" style to show you where the play position is. If there are multiple files on playlist, it will be shown like below.



10. Take mode : File only plays one file even there are more files in the playlist. This mode is good for play back in the studio for insert video. In this mode, cued file will be played alone and other files will not be cued.

11. The track bar's timeline will be disappear and it only shows the play position in the file.



12. Tape Out mode: In this mode it is possible to playback video and record it on VCR using SONY RS422 compatible control protocol to control the process.

Adding files into playlist

Adding files into playlist is really simple. You can just drag and drop files into the playlist that you want.



When dragging is finished and you dropped the file, then there will be the file on the playlist. Also you can drag multiple files from Media Browser.

One other way to add files into playlist is using the "Windows File Explorer." You can drag files from Windows File Explorer into the playlist too.



The above picture shows you how you can drag files from Windows File Explorer to Proxima Encoder.

Also the yellow bar will be appearing when you start dragging and show which place the files are located after dropping.

3. Maintenance

If there's any problem in using Proxima Encoder, please collect the following logs files and configuration files. With the log and configurations, it will be much easier to find the problem you are facing.

- a. Collecting configuration files.
- b. Collecting log files

These files a located in %Public%\Documents\Gemiso\ProximaMultiOpenEncoder folder. Main configuration files is in folder root, main application log files are in Logs subfolder.

Each channel files are in a separate subfolder named ChannelX where X is from 1 to 4. Similarly, there are channel configuration files and Logs subfolders.

F.A.Q

1. Sound from recording audio channel are sent to other SDI like noise.

Answer:

If you have set up the Blackmagic Audio device as default speaker and default device, it can be happening. The picture below shows "4-Blackmagci Audio" is the default speaker for the PC-sound.



So you should change the other PC sound card as the default sound system like the picture below.

🤣 소리	· · · · · · · · · · · · · · · · · · ·		x
재생 녹음	음 소리 통신		
설정을 수정	영할 재생 장치 선택:		
	준비됨	-	•
	스피커 3- Blackmagic Audio 준비됨		
	스피커 4- Blackmagic Audio 준비됨		
	스피커 Blackmagic Audio 준비됨		=
3	스피커 Realtek High Definition Audio 연결되지 않음		
~	Realtek Digital Output Realtek High Definition Audio 기본 장치		•
구성(0) 기본값으로 설정(S) ♥	속성(P)	
	확인 취소	적용(A)