COGO LIVE 4K Manual ver. 2.0

COGO LIVE 4K

This manual will cover the operation of COGO LIVE 4K version 2.0

COGO LVIE 4K comes preinstalled in bundled computers so no installation is required.

License

A license code will be provided buy NewCinema or one of it's distribution partners that will allow the software to start. If you need to re-enter the code for some reason use the ENTER LICENSE CODE button. To view your license status use the VIEW LICENSE STATUS button.

Streaming setup

1. Selecting the capture card installed in the system. Select the capture card installed in your computer. For COGO LVIE 4K this should always be the Decklink 4K Extreme 12G

(support for other cards ma	y be added in future	versions of the software).
-----------------------------	----------------------	----------------------------

8						()	×
	😂 COGO LI	VE 4K					
	Input card Format code Audio codec Audio bitrate 128 (kbits) Video codec Video bitrate 9000 (kbits) Profile Use Authenticatior	DeckLink 4K Extreme 12G ✓ DeckLink 4K Extreme 12G ✓ DeckLink Studio 4K Intensity Shuttle DeckLink Mini Recorder ✓ AAC ✓ COGO H264 ✓ High ✓					
	User Name Password		11				
	Stream Network Location		Ī	START	STOP		
	Frame Count Frames/Second			ENTER LICENSE CODE	VIEW LICENSE S	TATUS	
	Bit rate	Kbps					
	Data Sent	МВ					
	@Copyright 2017 - 2018. All	rights reserved.					

2. Selecting the resolution and frame rate for the incoming video signal. Select the proper video resolution and frame rate from the drop-down list.

8								×
	🖻 COGO LI	VE 4K						
						_	_	-12
	input card	Deck Link 4K Extreme 12G V						
	Format code	3840x2160 at 50 fps						
	Audio codec Audio bitrate 128 (kbits) Video codec	720x486 at 29.97 fps (interfaced, lower field first) 720x576 at 25 fps (interfaced, upper field first) 1320x1080 at 23.976 fps 1320x1080 at 23.976 fps 1320x1080 at 25.976 1320x1080 at 25.97 fps						L
		1920x1080 at 30 fps 1920x1080 at 25 fps (interlaced, upper field first) 1920x1080 at 29 97 fps (interlaced, upper field fir						
	Video bitrate 9000 (Kbits) Profile	1920x1080 at 30 fps (interlaced, upper field first) 1920x1080 at 30 fps 1920x1080 at 50 fps 1920x1080 at 59.94 fps						L
	Use Authentication	1920x1080 at 60 fps 1280x720 at 50 fps 1280x720 at 59.94 fps 1280x720 at 59.94 fps						L
	User Name	2048x1080 at 23.976 fps						- 53
	Password	2048x1080 at 25 fps 3840x2160 at 23.976 fps	11]				
	Stream Network Location	3840x2160 at 24 fps 3840x2160 at 25 fps 3840x2160 at 29.97 fps 3840x2160 at 30 fps		START	STOP			
	Frame Count	3840x2160 at 501ps 3840x2160 at 59.94 fps 3840x2160 at 60 fps		ENTER LICENSE CODE	VIEW LICENSE S	TATUS		
	Frames/Second	4096x2160 at 23.976 fps 4096x2160 at 24 fps	4	ENTENEIGENSE CODE		14105	ē.	
	Bit rate	4096x2160 at 25 fps Kbps						
	Data Sent	мв						
	00 : 1:0017 0010 4							
	@copyright 2017 - 2018. All	rights reserved.						

3. Select the desired audio codec from the drop-down list.

٥						- [×
😂 COGO LI	VE 4K						
Input card	DeckLink 4K Extreme 12G	~		_	_	-	
Format code	3840x2160 at 50 fps	~					
Audio codec	AAC	~					
Video codec	COGO H264						
Video bitrate 9000 (kbits)							
Profile	High	~					
Use Authentication							
User Name							
Password		Γ	Ш]			
Stream Network Location				START	STOP		
Frame Count					VIEW LICENSE ST]
Frames/Second			-	ENTER LICENSE CODE	VIEW LICENSE ST	IXT05	
Bit rate	Kbps						
Data Sent	мв						
@Copyright 2017 - 2018. Al	I rights reserved.						

- 4. Use the slider to set your desired audio bit rate
- 5. COGO H264 is the only setting for video codec in this version of COGO LIVE 4K, other codecs will be added in later versions of the software.
- 6. Use the slider to select the desired bit rate for the video stream. See chart below for recommended bit rates.

Resolution/Fps	Bit Rate
4096x2160 at 25/24/23.98 fps	12Mbps
3840x2160 at 60/59.94 fps	12Mbps
3840x2160 at 50 fps	10Mbps
3840x2160 at 30/29.97 fps	9Mbps
3840x2160 at 25/24/23.98 fps	8Mbps
1920x1080 at 60/59.94 fps	4.5Mbps

1920x1080 at 50 fps	4Mbps
1920x1080 at 30/29.97 fps	3.5Mbps
1920x1080 at 25/24/23.98 fps	3Mbps
1280x720 at 60/59.94 fps	2Mbps

 Select your desired profile from the drop-down box. High is the recommended profile. Other profiles include High 10 (for 10 bit video), Main and Baseline for older device support. Unless you fully understand the need to use a different profile High should always be used.

8				×
🖹 COGO LI	VE 4K			
Input card	DeckLink 4K Extreme 12G 🗸 🗸 🗸			
Format code	3840x2160 at 50 fps 🛛 🗸			
Audio codec	AAC ~			
Audio bitrate 128 (kbits)				1.
Video codec	COGO H264 V			
Video bitrate 9000 (kbits)				
Profile	High 🗸			
Use Authentication	High High 10 Main			
User Name	Baseline			
Password		н		
Stream Network Location		START	STOP	
Frame Count	·			
Frames/Second		ENTER LICENSE CODE	VIEW LICENSE STATUS	
Diteste				
Dit Tate	Kbps			
Data Sent	MB			
@Copyright 2017 - 2018. All	rights reserved.			

- 8. Use Authentication check box. To use authentication, check the Use Authentication box and the fields for username and password will appear. This authentication is consistent with standard authentication methods used by Adobe, Wowza, and Akamai. For authentication in the form of a stream key such as YouTube, Facebook, and Twitch uncheck the Use Authentication box and add the stream key to the URL in the Stream Network Location dialog box.
- 9. Stream Network Location. Enter the URL for the network stream location in the dialog box. For example;

rtmp://yourcnd.com:1935/streamname/streamkey

10. Click start to begin streaming.

Monitoring

- 1. Frame count. This read out gives you a frame count for the streaming video.
- 2. Frames/Second. This read out gives you the frames per second or fps of the stream
- 3. Bit rate. This read out gives you the bit rate of the stream in Kbps (kilo bits per second).
- 4. Data Sent. This read out gives you the data sent vis the stream in MB (megabytes).

Frame Count	
Frames/Second	
Bit rate	Kbps
Data Sent	МВ