

## RE-3 Dual-channel 4K Rackmount Encoding Card

Kiloview RE-3 is the latest version of our Cradle series rackmount encoding card, which enhances the capabilities of our previous RE-1 V2 and RE-2. RE-3 has all the same great features of the original RE series rackmount encoding card, but now it gets the same encoding performance as our E3 including **4K** and **dual video inputs support**. With the upgraded encoding capabilities of RE-3, you can now encode **4K video** at up to **30 frames per second** or **HD video** at up to **60 frames per second**. **Dual-channel video inputs** provide users with the highest level of flexibility, allowing them to encode both videos in multiple ways. **HEVC technology** also enables users to live stream to up to **8 destinations** simultaneously. RE-3 is a **versatile** and **cost-effective** solution for video encoding in various industries. It can be used for live production, live streaming, remote transmission, and post-production.

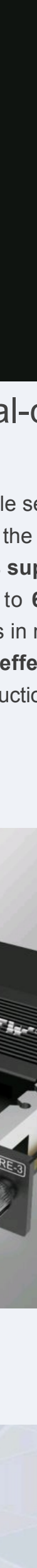


### Features:


- **HDMI encoding** and **3G-SDI encoding** up to 4Kp30 / 1080p60
- HDMI input with **4-channel** embedded audio
- 3G-SDI input with **8-channel** embedded audio
- **H.265/H.264** codec and multiple IP streaming protocols support including **NDI|HX2, NDI|HX3, SRT, RTMP/ RTMPS, HLS, TS over UDP, RTP/RTSP**
- Mix both video inputs as one output or simultaneously encode both video inputs in 1080p
- Up to **8 destinations** live streaming available
- High-quality video deinterlacing
- Multiple audio encoding formats support including **AAC/MPEG-4/MPEG-3/MPEG-2/Opus/G.711**
- Low capture/encoding latency
- Local and **NAS** recording
- KiloLink Server
- Kiloview Intercom System (KIS)

## Encoding Cards

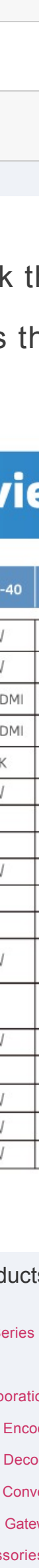
Kiloview H.265/H.264 Encoding Cards support 4K HDMI and 3G-SDI encoding capabilities.



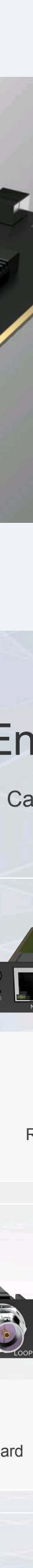
**RE-1 V2**  
3G-SDI Encoding Card  
Rackmount card version of E1.



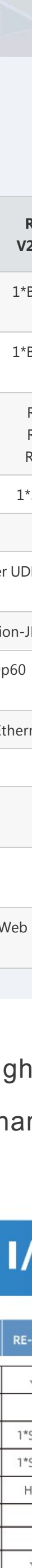
**RE-2**  
HD HDMI Encoding Card  
Rackmount card version of E2.



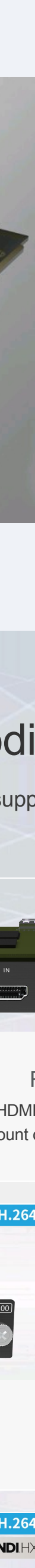
**RE-3**  
Dual-channel 4K HDMI&3G-SDI Encoding Card  
Rackmount card version of E3.



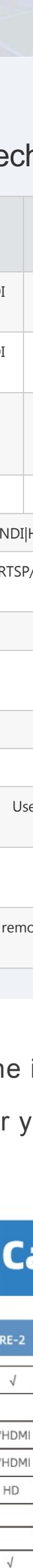
**RE-100**  
Dual-channel 3G-SDI Encoding Card



**REN-100**  
Dual-channel 3G-SDI Encoding Card



**REN-1 V2**  
3G-SDI Encoding Card  
Rackmount card version of E1-NDI.



**REN-2**  
HD HDMI Encoding Card  
Rackmount card version of E2-NDI.

## Tech Specs

Model	RE-1 V2	RE-2	RE-100	REN-1 V2 (NDI)	REN-100	REN-2 (NDI)	RE-3
Input	1*BNC SDI	1*HDMI	2*BNC SDI	1*BNC SDI	2*BNC SDI	1*HDMI	1*3G-SDI 1*4K HDMI
Loop	1*BNC SDI	1*HDMI	2*BNC SDI	1*BNC SDI	2*BNC SDI	1*HDMI	/
Applicable frame	RU01, RU03, RU03S	RU01, RU03, RU03S	RU03S	RU01, RU03, RU03S	RU03S	RU01, RU03, RU03S	RU01, RU03, RU03S
Analog audio port	1*3.5mm	1*3.5mm	/	1*3.5mm	/	1*3.5mm	1*3.5mm
NDI HX	/		NDI HX 1.0 and 2.0			NDI HX2/NDI HX3	
Protocols	SRT/RTMP/RTMPS/HLS/TS over UDP/RTP/RTSP/Onvif					NDI HX2/NDI HX3/SRT/RTMP/RTMPS/HLS/TS over UDP/RTP/RTSP Onvif (Extensible for SIP/GB-T2818)	
Video codec	H264/AVC, Motion-JPEG					H.265(HEVC)/H.264(AVC)	
Resolution	Up to 1080p60					HDMI: up to 4Kp30 3G-SDI: up to 1080p60	
Network	1*100M RJ45 Ethernet					1*10/100M/1000M RJ45 Ethernet Port	
Audio encoding	AAC/G.711						
Image and text overlay	User-defined text and image overlay						
Video rotation and cropping	Support						
Management Portal	Web UI and remote management with KILOVIEW KiloLink Server						

Do you find it hard to pick the right one in our I/O Card Family to fit your workflow?

Here is the chart for your better understanding:

## Kiloview I/O Cards Comparison

I/O Card	RN-3	RN-40	RE-3	RE-1 v2	RE-2	REN-1 v2	REN-2	RE-100	REN-100	RD-260	RD-350	RMG-300 v2
Encode	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Decode	✓	✓								✓	✓	✓
Input	1*SDI	1*HDMI	1*SDI 1*HDMI	1*SDI	1*HDMI	1*SDI	1*HDMI	2*SDI	2*SDI			
Output/Loop	1*SDI	1*HDMI	1*SDI	1*SDI	1*HDMI	1*SDI	1*HDMI	2*SDI	2*SDI	1*SDI 1*HDMI	1*SDI 1*HDMI	1*SDI 1*HDMI
Max Resolution	HD	4K	4K	HD	HD	HD	HD	HD	HD	HD	4K	4K
Codec	Full NDI	✓	✓								✓	✓
	H.265			✓							✓	✓
	H.264			✓	✓	✓	✓	✓	✓	✓	✓	✓
Protocols	Full NDI	✓	✓								✓	✓
	NDI HX			✓			✓	✓	✓	✓	✓	✓
	Others	SRT/RTMP/ RTMPS/HLS/TS over UDP/RTP/RTSP Onvif										
Audio	3.5mm Line-in	✓	✓	✓	✓	✓	✓					
	3.5mm Line-out									✓	✓	✓
USB	USB A	✓	✓	✓	✓	✓						
	USB C			✓							✓	✓
Frame	RU01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	RU03	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	RU03S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓