

Cradle series: 1RU/3RU Rack Mount Encoder/Decoder

4/16/32 Channels Encoding/Decoding Plug-in Card



Descriptions

Kiloview Cradle series is a 1RU or 3RU rack-mounted frame, mixed with 4 channels (1RU), 16 channels and 32 channels (3RU) codec modules, and can be used for remote video transmission/live broadcast/interaction under wired network. It comes with dual power modules, centralized heat dissipation, ensuring longtime stable operation.

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|------------------------------|--------------------------------|--|-------------------|
| •NDI/SRT | •Dual power modules | •7*24h operating | •SDK/API provided |
| •Audio and video interaction | •Multi-platform live broadcast | •Vertical screen live broadcast | |
| •Image and text overlay | •3.5mm analog audio | •Encoding/decoding modules mixed plug-in | |

Application

Conference/program/live webcast, video network transmission, video point-to-point interactive connection, SDI/HDMI signal network transmission/live broadcast, video network recording, vertical screen live broadcast, integrated media project, network engineering project, etc.

Advantages

Plug-in card structure, free to mix and insert encoding and decoding cards, flexible application and replacement

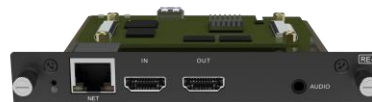
- 1RU rack-mounted frame supports up to 4 channels of SDI/HDMI encoding or decoding cards, and 3RU rack-mount frame supports up to 32 channels cards;
- Plug-in card structure is easy for the card installation and replacement.



Standard dual power modules, dual cooling fan, stable and reliable operation

- 1RU/3RU rack-mount frame is equipped with dual redundant power as standard, effectively preventing power failure;
- Dual cooling fans for centrally dissipate heat to ensure stable and 24h continuous operating;
- Power indicator light and operation indicator light to monitor working status.

Encoding cards parameters:



RE-1 encoding card

RE-2 encoding card

Model	RE-1	RE-100	RE-2	REN-1	REN-100	REN-2
Input	1*BNC SDI	2*BNC SDI	1*HDMI	1*BNC SDI	2*BNC SDI	1*HDMI
Loop	1*BNC SDI	2*BNC SDI	1*HDMI	1*BNC SDI	2*BNC SDI	1*HDMI
Applicable frame	RU01, RU03, RU03S	RU03S	RU01, RU03, RU03S	RU01, RU03, RU03S	RU03S	RU01, RU03, RU03S
Analog audio port	1*3.5mm	/	1*3.5mm	1*3.5mm	/	1*3.5mm
NDI HX	/			NDI HX 1.0 and 2.0		
Protocols	SRT/RTP/RTMP/ RTMPS/HLS/TS over UDP/RTSP /Onvif					
Video encoding	H264/AVC, Motion-JPEG					
Resolution	Up to 1080P60Hz					
Audio encoding	AAC/G.711/MP3/MP2					
Network	1*100M RJ45 Ethernet					
Image and text overlay	User-defined text and image overlay					
Video rotation and cropping	Support					
Recording	NAS network storage					
Management	Android APP/Web					

RD-230/RD-300 decoding card parameters:



RD-230 decoding card

RD-300 decoding card

Module name	RD-230	RD-300
Network	1*100M/1000M RJ-45 adaptive Ethernet port	2*100M/1000M RJ-45 Ethernet ports
Video output	3G-SDI+DVI dual interface, output the same or different content	3G-SDI+ 4kP60 HDMI dual interface, output the same or different content
Applicable frame	RU01, RU03, RU03S	
Audio decoding	AAC/G.711/MP3/MP2	
Audio output	SDI/HDMI embedded, or 3.5mm analog audio output	
Screen preview	Preview either with image or video	
Overlay	Background, logo and text overlay	
Video decoding	H.264	H.265/H.264
Decoding ability	Up to 4 channels of video decoding simultaneously (4 channels of 1080P30 or 2 channels of 1080P60 and below)	Up to 9 channels of video decoding simultaneously (9 channels of 1080P30 or 6 channels of 1080P60), customized multi-screen split output
NDI HX	/	NDI HX 2.0
Media protocols	SRT/RTMP/RTMPS/RTMP Server/HLS/TS over UDP/RTSP	
Management	Web	

Media gateway card parameters:

Model	RMG-300
Network	2*100M/1000M RJ45 adaptive Ethernets
Decoding output	1*SD/HD/3G-SDI, up to 1080P 60Hz 1*HDMI, up to 3840*2160@60Hz
Analog audio port	1*3.5mm Line out
Access protocol	NDI HX/SRT/RTSP/RTMP/TS-UDP/HTTP, (NDI HX means NDI HX Version 2.0, SIP/ONVIF (customize)
Output protocol	NDI HX 2.0/SRT/RTSP/RTMP/TS-UDP
Protocol conversion	9 channels1080P video conversion
Streaming distribution	50 channels of RTSP, 36 channels of RTMP/SRT (Not more than 800Mbps)
Live streaming	9 channels×4 channel 1080P
Number of decoding	4K 30Hz H.264/H.265: up to 4 simultaneous channels 1080P 50Hz/60Hz H.264/H.265: up to 8 simultaneous channels 1080P 30, 1080i 50/60Hz, 720P and below H.264/H.265: up to 9 channels simultaneously
Video decoding standard	H.264, H.265
Video rate range	128Kbps ~ 40Mbps
Audio decoding	AAC/G.711/MP3/MP2
Decoding delay	≤200ms
Split display style	Support 1/2/3/4/5/6/7/8/9 splitting; Support re-encoding the multi-screen content for live streaming/remote transmission. The image supports up to 1080P60 H.264 encoding.
Management interface	Web