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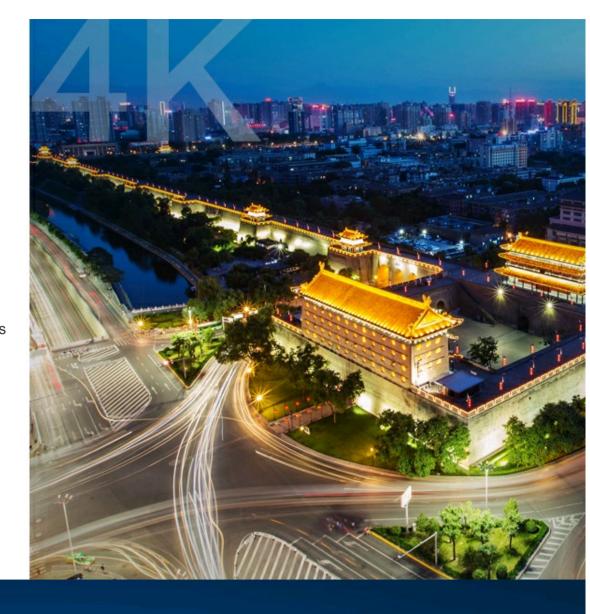
A Powerful H.265 Hardware Video Decoder

Kiloview D300 decoder is a professional 4K H.265 (HEVC) hardware decoder that brings multiple video streams to both SDI and 4K HDMI. Without relying on a computer, it decodes any IP streams including NDI®|HX2/SRT/RTSP/RTMP/TS-UDP/HLS etc and output the video to display wall in up to 9 grids or free layout, and dynamic switching is supported. It also supports RTMP server for direct connection with encoders, and up to 16 sources for preview on its web page.

Superior IP Video Decoding Performance

It supports decoding up to 4K H.264/ H.265 IP streams and decode the streams to output 3G-SDI and 4k HDMI. It supports decoding up to 9 channels of videos simultaneous.

*Note: 9 channels with 1080P30, or 8 channels of 1080P60, or 4 channels of 4KP30.







Intelligent delay control technology to achieve a less than 200ms decoding delay in network environment.

Image enhancement and fault-tolerant technology for low code-encoded video, 10% of network packet loss video, etc., clear and distortion-free decoding output



RTMP Server Supported

With RMTP server, the encoder can directly transmit the video to Kiloview decoder using RTMP protocol for decoding without a RTMP platform, to make it easy and convenient.

Dual Output, Same or Different

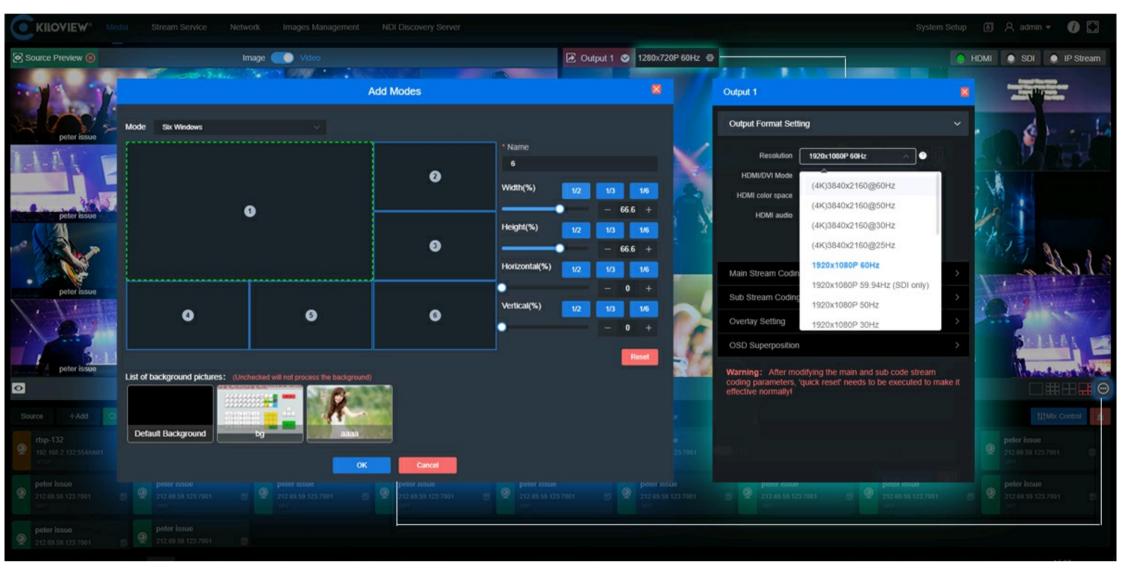
3G-SDI and 4K HDMI dual interface for outputting, output content can be either the same or different.

(Note: HDMI output up to 3840×2160@60Hz, SDI up to 1920×1080@60Hz.)



Customize Your Output Display

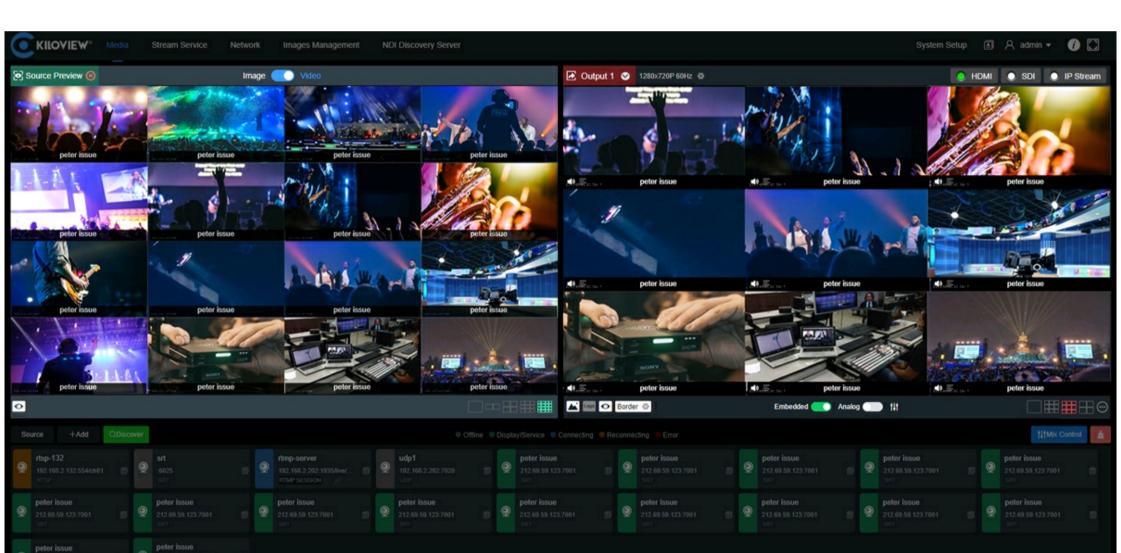
Free Layout: The output display can be either in grids or a free layout with customized design, PIP, PBP, POP, all as you wish. Free Resolution: The output resolution is adjustable, it also supports de-interlace and frame rate is adjustable

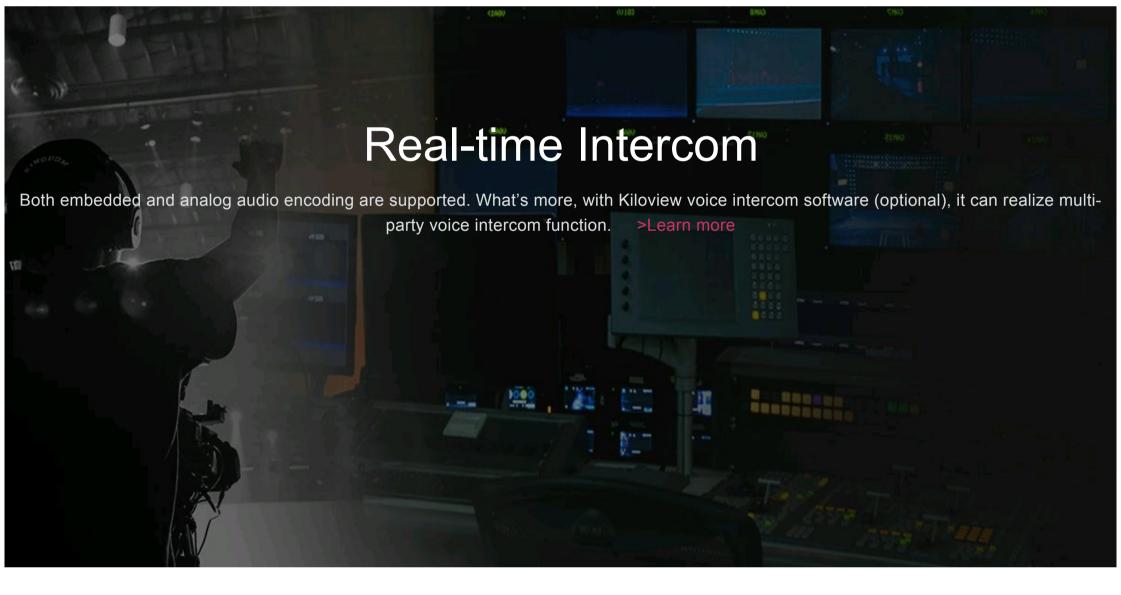


16 Preview + 9 Output with Dynamic Switching

With updated feature, 16 streams of real-time video streams or images can be previewed on its web page, from which you can choose 9 of the streams for output on displaying screen.

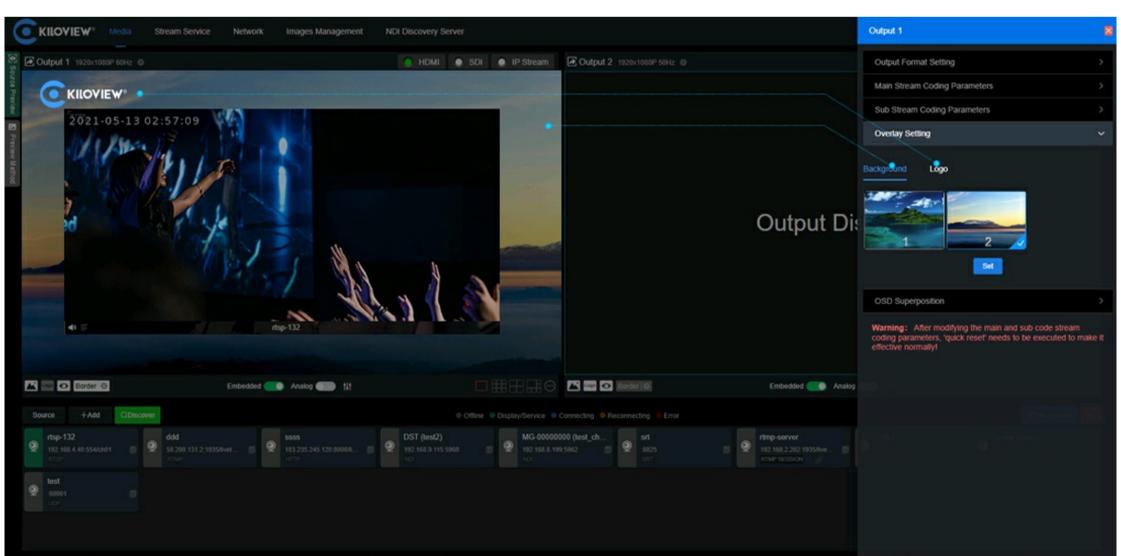
Unlimited video sources can be added and freely choose any video source to be decoded, the switching is dynamic and seamless.





Free output background and OSD

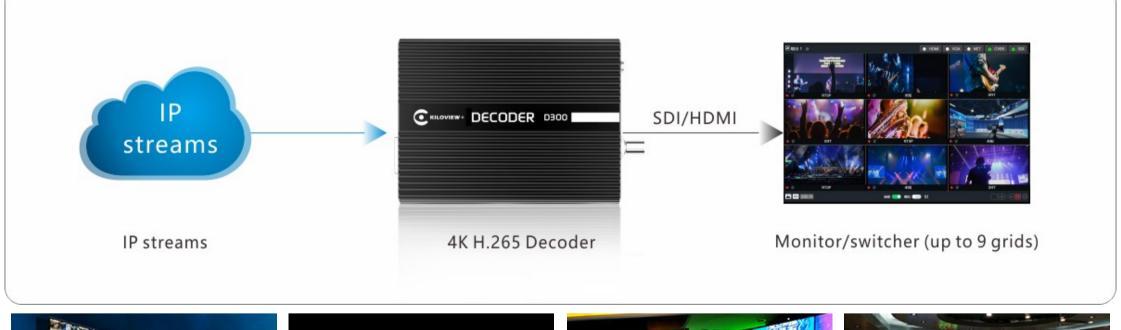
D300 can be customized to set a background subject, which supports LOGO, frame, graphic overlay. At the same time, you can preview the customized information.





Applications

D300 can decode 9 channels of network stream and split-screen output at the same time, network stream on-screen/to the switcher, SRT video pointto-point transmission, program shooting, and monitoring, audio and video engineering, conference, etc.





Network Program Production



SRT Remote Transmission







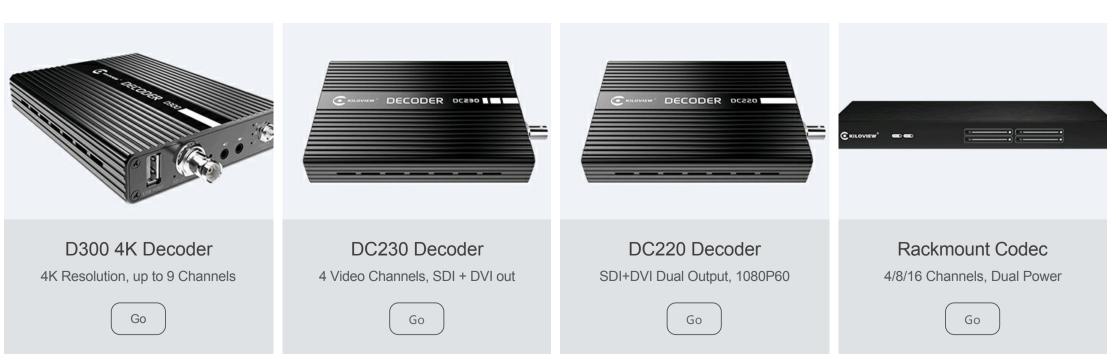
Audio/Video Engineering

Compatible with TriCaster, vMix, OBS and other platforms, so your video production can be carried out anytime, anywhere. 5 vMix NewTek NDI **mimo**Live streamstar Wirecast 🛛 **VID**Blaster Adobe **OBS Studio**

Parameters

Model No.	D300		
Input	2*100M/1000M RJ-45 adaptive Ethernet ports		
Video output	1 SD/HD/3G-SDI, up to 1080P60,1 HDMI, up to 3840*2160@60Hz		
Output formats	SDI up to 1080P60Hz; HDMI up to 4k, as follows: SDI:1080P60/59.94/50,1080P30/29.97/25/24/23.98 1080i60/59.94/50, 720P60/59.94/50, 576i/50, 480i/60; HDMI:4K 3840x2160@60/50/30/25,1080p60/50,1080p24/25/30, 1080i60/50,720p60/50, compatible with VESA standard format.		
Audio output	SDI/HDMI embedded or analog audio output		
Media protocols	NDI HX/SRT/RTMP/HLS/TS over UDP/RTSP/RTP (Note: NDI HX means NDI HX Version 2.0)		
SDI Transmission Distance	Belden 1694A: SD SDI \geq 350m; HD SDI \geq 180m; 3D SDI \geq 100m		
Video decoding	H.265 /H.264		
Audio decoding	AAC/G.711		
Decoding latency	<200ms (adjustable)		
Decoding capability	4K 30Hz: up to 4 channels; 1080P 50Hz/60Hz: up to 8 channels simultaneously; 1080P 30Hz or 1080i 50/60Hz or 720P and below: up to 9 CH simultaneously.		
Split screen display	Support 1/2/3/4/5/6/7/8/9 split screen		
Management	Web page		
Power/Consumption	12V, 1A /6W		
Operating temperature	-20~60°C		
Dimension	140*105*28mm (5.51"*4.13"*1.10")		
Weight	380g (13.4oz)		
Remark	NDI HX means NDI HX Version 2.0		
Downloads	Docs & Firmware		

Related Products



Quick Comparison of our Decoders

Product Type	Product Model	Output Interface	Resolution	Decoding Performance	
H.265 4K Video Decoder	D300	3G-SDI + HDMI	SDI: up to 1080P60Hz; HDMI: up to 4KP60;	Up to 9 Video Streams Simultaneously Decoding, 1/2/3/4/5/6/7/8/9 Splitting Screen and Dynamic Switching Supported	
H.264 HD Video Decoder	DC230	3G-SDI + DVI-I (Compatible with HDMI/VGA)	SDI/HDMI: up to 1080P60Hz; VGA: UXGA Supported;	Up to 4 Video Streams Simultaneously Decoding, 1/2/3/4 Splitting Screen and Dynamic Switching Supported	
	DC220	3G-SDI + DVI-I (Compatible with HDMI/VGA)	SDI/HDMI: up to 1080P60Hz; VGA: UXGA Supported; 1920x1080 at 59.94 not supported;	Single Video Stream Decoding	
	1RU- 3RU	3G-SDI + HDMI	Encoding Modules: SDI/HDMI/NDI HX input Decoding Modules: H.265/H.264 Video Decoding, 3G- SDI+4K HDMI Dual-Port Output	A Free Mixture of 4/8/16 Channels, Dual-Power Design	

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