



# D300-4K UHD Video Decoder

4K professional decoding device



## Overview:

D300 4K UHD H.265 video decoder is a professional hardware decoding device that can decode multi-channels network video stream (such as IP-Camera, RTSP/RTMP/RTP unicast or multicast media stream, etc.) without relying on a computer. It supports both SDI and HDMI output with resolution up to 4K, and multi-channels video stream decoding to display wall with screen splitting and dynamic switching.

# Application

- D300 4K UHD video decoder is applied to decode and split the multi-channels 4K UHD IP video stream to display wall, and even switching the multi-channels IP stream to display wall. Simply connect the D300 4K UHD video decoder to the network cable and display wall interface, various real-time IP videos can be displayed on large



# Main function

- **Powerful video decoding capability, it supports up to 9 channels video stream decoding simultaneously (8 channels 1080p60Hz or 4 channels 4Kp30) with high image quality and low latency**
  - Support H.264/H.265 decoding.
  - Support HDMI (up to 3840x2160@60Hz) and SDI (up to 1920x1080@60Hz) output with the same image or different image.
  - It adopts Kiloview image enhancement and fault-tolerant technology which has strong anti-error code capability, clear and no-distortion video can be output even if the video is encoded at low bit rate with up to 10% packet loss.
  - With Kiloview intelligent delay control technology, less than 200ms decoding delay can be obtained in typical network environment.
- **With video stream dynamic switching function, it supports multi-screen self-define display**
  - Support 9 channels video stream dynamic switching output, seamless switching without lag.
  - Support 9 channels video self-define (1/2/4/6/9) split display.
- **High compatibility and wide application. It is compatible with various types of IP video decoding output**
  - Support NDI-HX/SRT/RTMP/RTMPs/HLS/TS over UDP/RTP/RTSP and other main IP video protocols input, compatible with hundreds of encoding products, streaming media servers, IP cameras, etc.
  - The output interface can be either SDI or HDMI or both, the resolution can be self-defined.
  - Support HDMI/SDI embedded audio output and analog audio output.
- **Reliable performance, open API available**
  - High quality branded chips and parts used, which ensures the reliability and stability performance of the products, makes 7\*24h working possible.
  - All Kiloview products has passed the EMC test.
  - Open API programming.

## Dimension



## Parameter

Model	D300
Input	2*100M/1000M RJ45 adaptive Ethernet port
Output	1*SD/HD/3G-SDI, support up to 1080P 60Hz; 1*HDMI, support up to 3840x2160@60Hz.
Output format	SDI: up to 1080P60Hz; HDMI: up to 4k. Details as below: <b>SDI:</b> 1080P60/59.94/50, 1080P30/29.97/25/24/23.98, 1080i60/59.94/50 720P60/59.94/50 570i/50 480i/60 <b>HDMI:</b> 4K 3840x2160@60/30, 1080p60/50, 1080p24/25/30, 1080i60/50, 720p60/50 Compatible with VESA standard format

Audio output	SDI/HDMI embedded or analog line-out output
Media protocols	NDI-HX/SRT/RTMP/HLS/TS over UDP/RTP/RTSP/ONVIF etc.
SDI transmission distance	Belden 1694A cable standard: SD SDI ≥ 350m; HD SDI ≥ 180m; 3D SDI ≥ 100m
Video decoding	H.265 /H.264
Audio decoding	AAC/G.711
Decoding delay	<200ms
Decoding ability	4K 30Hz: up to 4 channels simultaneously 1080P 50Hz/60Hz: up to 8 channels simultaneously 1080P 30Hz, 1080I 50/60Hz or 720P and below: up to 9 channels simultaneously
Split screen display	Support 1/2/4/6/9 self-defined screen splitting
Management	Web
Power supply	12V, 1A
Consumption	6w
Operating temperature	-20°C~60°C
Dimension	13.8*10.5*2.5cm (5.4*4.1*0.9in)
Weight	380g (13.4oz)