

D300 4K UHD Video Decoder



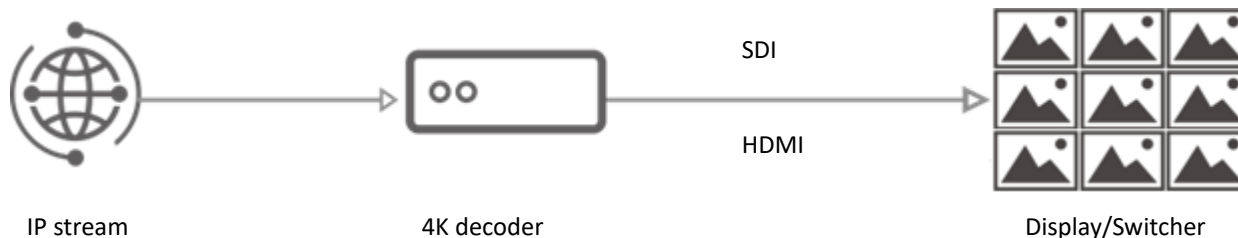
Descriptions

D300 4K UHD H.265 video decoder is professional hardware decoding device that can decode multi-channels network video stream (such as IP-Camera, RTSP/RTMP unicast or multicast media stream). It supports both SDI and HDMI output with resolution up to 4K, and 9 channels video stream decoding to display wall with screen splitting and dynamic switching.

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|--------------------------|--|------------------------|
| • SRT | • 4K H.265 | • Low latency decoding |
| • Adjustable resolution | • Image and text overlay | • SDK/API provided |
| • Multi-stream switching | • 9 channels video split to the screen | |

Application

4K network stream decoding, simultaneous decoding of multiple network streams and multi-screen split output, network stream to the screen/ to switcher, SRT video point-to-point transmission (receiving end), program shooting monitoring (receiving end), monitor to the screen, audio and video projects, conference projects, etc.



Advantages

Powerful decoding function, support 4k H.265 decoding, support 9 channels video simultaneous decoding output, split display, dynamic switching.

- Support 4K H.265/H.264 IP stream decoding;
- Support 9 channels of video simultaneous decoding output (9 channels 1080P30, 8 channels 1080P60 or 4channels 4kP30);
- Up to 9 channels video decoding and output for 1/2/3/4/6/9 split display, and dynamic switching;
- Multiple video sources can be added, and 9 video streams dynamic switching output;
- It can resist 10% network packet loss, and the parameters of decoding delay is adjustable (about 200ms).

SDI and HDMI dual interface output, and support image and text overlay output

- SDI and HDMI dual interface output, and output the same or different content;
- HDMI output up to 3840*2160@60Hz and SDI up to 1920*1080@60Hz output, and the output resolution is adjustable;
- Support SDI and HDMI embedded audio output, or 3.5mm analog audio output;
- Support for logo, image and text overlay.

Support full protocols, especially NDIHX/SRT

- Support for NDI HX and SRT decoding;
- Support for RTMP/HLS/TS over UDP/RTSP protocol.

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 2.0, 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 (Note: NDI HX means NDI HX Version 2.0)
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 1/2/3/4/6/9 split screen
Management	Web page
Power/Consumption	12V, 1A /6W
Dimension	140*105*28mm (5.51*4.13*1.10")
Weight	380g (13.4oz)
Operating temperature	-20~60°C

Kindly note: NDI|HX means NDI|HX Version 2.0)