

DC230 HD Video Decoder

Cost-effective video decoding device



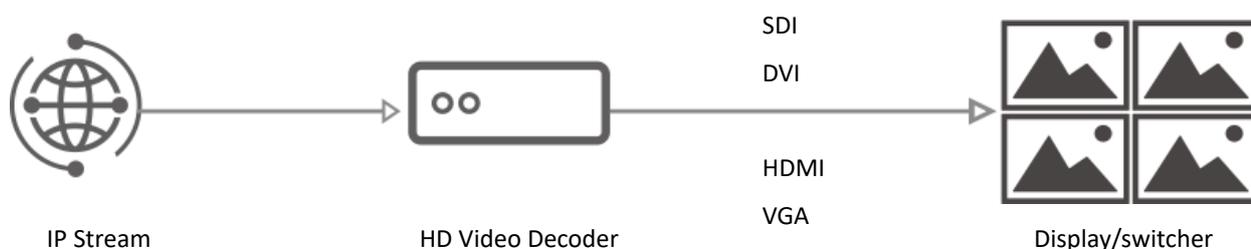
Descriptions

DC230 HD video decoder is a professional hardware decoding device, which can independently decode IP streams to various formats (like SRT, RTSP, RTMP unicast or multicast media streams, etc.) without relying on computer, and output with SDI signals, DVI-I signal (compatible with HDMI/VGA signals). It also supports 4 streams decoding simultaneously, split to screen, dynamic switching.

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|-------------------------|-------------------------------------|--------------------------------|
| •Support SRT | • Support SDK/API | •SDI+DVI dual interface output |
| •Support 1080P60 | • Analog audio independently output | •Adjustable output resolution |
| •Image and text overlay | •4CH streams decoding simultaneous | |

Applications

4CH streams decoding simultaneously and split output, streams to the screen/ to switcher, SRT video point-to-point transmission (receiving end), program shooting and monitoring (receiving end), monitor to the screen, audio and video projects, conference projects, etc.



Advantages

Strong decoding function, support 4 streams decoding simultaneously, split display, dynamic switching

- Decode H.264 encoded video and AAC/G.711 encoded audio at a bit rate of 40Mbps supported;
- Support 4CH streams decoding simultaneously, and select 1/2/3/4 split screen output;
- Support SRT/ RTMP/ HLS/TS over UDP/RTSP etc. Protocols;
- Resist 10% network packet loss, and the parameters of decoding delay is adjustable (about 200ms).

SDI+DVI dual interface output, support image and text overlay

- SDI+DVI dual interface output, DVI is compatible with HDMI and VGA signals. And DVI+SDI can output same or different content simultaneously;
- SDI/DVI supports up to 1080p60 HD video output, the output resolution is adjustable and compatible with 1080P/1080I 59.94、 29.97 formats;
- Support SDI and HDMI embedded audio output, or 3.5mm analog audio independent output;
- The output of the encoder can superimpose logo, picture, etc;
- Multiple video sources can be added simultaneously in the backstage for fast switching output.

Portable size, low power consumption, multifunctional, 24h continuous operation available

- Size is 138*105*27mm only, easy to carry and deploy;
- Power consumption is 5w, makes 24h continuous operation available;
- Support automatic reconnection mechanism when power and network are off;
- Equipped with 1000M network port, and the network can be configured simultaneously with 3 IP address, which is convenient for business and management;

Parameters

Model	DC230
Input	1*100M/1000M RJ-45 adaptive Ethernet port
USB interface	1*USB 2.0 Type-A
Video output	1*SDI, compatible with SD-SDI (270M), HD-SDI (1.485G),3G-SDI (2.97G); 1*DVI-I, compatible with HDMI1.4 and below/DVI 1.0/VGA
Output formats	SDI/DVI: up to 1080P60Hz; VGA: up to UXGA, details as below: SDI: 1080P60/59.94/50, 1080P30/29.97/25/24/23.98 1080i60/59.94/50, 720P60/59.94/50, 576i50, 480i60; HDMI/DVI: 1080P60/50, 1080P24/25/30, 1080i60/50, 720P60/50, compatible with VESA standard formats; VGA: 1080P, 720P, UXGA (1600x1200), SXGA (1280x1024), XGA (1024x768), SVGA (800x600), VGA (640x480) and other VESA formats.
Audio output	SDI/HDMI embedded or 3.5mm audio output
Media transmission protocols	SRT/RTMP/HLS/TS over UDP/RTSP etc. protocols
Video decoding	H.264
Audio decoding	AAC/G.711
Decoding delay	<200ms (adjustable)
Decoding ability	Up to 4 channels decoding simultaneous(4CH 1080P30or 2CH 21080P60 and below)
Management	Web
Power supply/Consumption	12V, 1A/5w
Size	138*105*27mm (5.43*4.13*1.06")
Weight	380g (13.4oz)
Operation temperature	-20 ~60°C