

HD Video Decoder

Dec1900



Video Decoder is a professional hardware decoding device, which can independently decode IP video streams in various formats (from ip-camera stream, SRT/RTSP/RTMP/RTP unicast or multicast media streams, etc.), and output with SDI signals, DVI-I signal (compatible with HDMI/VGA signals).



High compatibility



Support 1080P



Image scaling /
frame rate
conversion



Dual output SDI & DVI
(HDMI/ VGA
compatible)



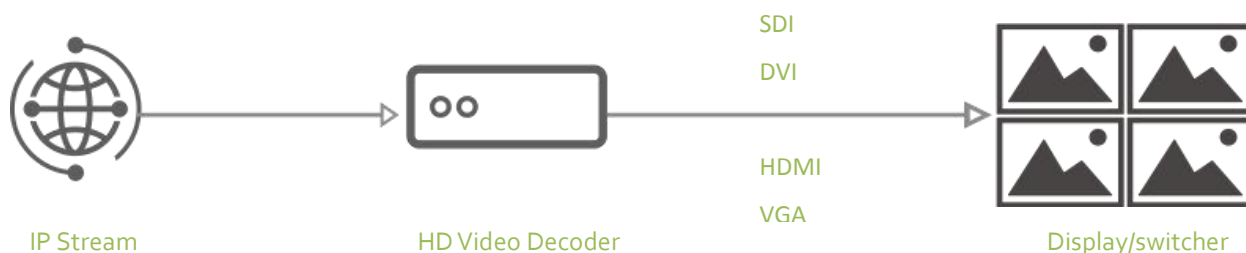
24h working mode



Support SDK

Applications

Video decoder can convert IP stream to SDI/DVI signal (HDMI/VGA signal compatible), which helps you to watch the network live broadcast by local display screen, or insert the IP stream to a production console.



Advantages

Strong decoding ability, strong error-resistance, low latency.

- With unique image enhancement and fault-tolerant technology, even powerful error resistance for video encoded at low bitrate with up to 10% packet loss, excellent image output can be obtained.
- Decoding latency can be less than 200 ms under a typical network environment with intelligent latency control technology.
- Decoding of H.264 encoded video and AAC/G.711 encoded audio at bitrate of 40Mbps supported.



High compatibility, SDI + DVI dual output, wide application.

- It supports RTMP/HLS/TS over UDP, RTSP protocols as well as SRT, it can also be connected with different kinds of encoding device, streaming media servers and IP cameras.
- With dual output SDI & DVI (HDMI/VGA compatible), and the resolution can be self-defined.
- Outputs of SDI/HDMI can be up to 1080p60, and VGA up to UXGA solution.
- Analog audio and embedded SDI/HDMI audio can be output simultaneously.



Dual output SDI & DVI
(HDMI/VGA compatible)

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

- Size is 138mm*105mm*27mm only; power consumption is 5w, makes 24h continuous operation available.
- With image scaling function, the output video can be scaled as well as frame rate conversion, in order to adapt different output video formats.supported.



24h continuous operation available

Parameters

Model	Video decoder DEC1900
Input	1*RJ-45
USB port	1*USB 2.0 Type-A
Video output	1*SDI, SD-SDI(270M,HD-SDI(1.485G),3G-SDI(2.97G); 1*DVI-I, HDMI1.4 /DVI 1.0/VGA
Output formats	SDI/HDMI: Up to 1080P60Hz,VGA: Up to UXGA. SDI: 1080P60/50,1080P30/25/24/23.98,1080i60/50, 720P60/50, 570i50,480i60; HDMI/DVI : 1080p60/50,1080p24/25/30,1080i60/50,720p60/50, VESA standard formats; VGA: 1080p,720p,UXGA(1600x1200),SXGA(1280x1024),XGA(1024x768),SVGA(800x600), VGA(640x480) and other VESA formats.
Audio output	Analog line-out; SDI/HDMI embedded
Media protocols	RTMP/HLS/TS over UDP/RTP/RTSP/SRT.....
Video decoding	H.264
Audio decoding	AAC/ G.711
Decoding delay	≤200ms
Decoding ability	Single channel video decoding
Management	Web operation
Power supply/Consumption	DC 12V, 1A/ 5W
Size/ Weight	138*105*27mm/380g
Operation temperature	-20 °C ~60 °C