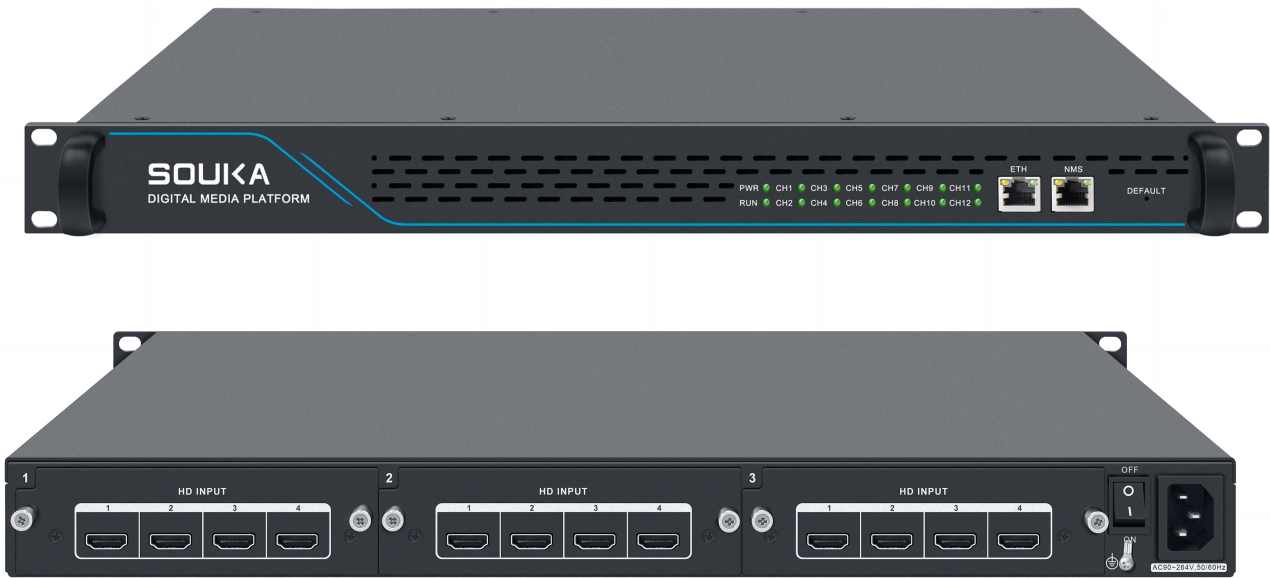


Datasheet

SKD1510 : 12 HDMI encoder



Model	Description
SKD1510	<p>Model name: 12 HD encoder</p> <p>Input： 12 HD</p> <p>Output： IP output , supports UDP、 RTP、 RTMP/HTTP/HLS、 RTSP、 SRT output protocols(optional), supports SPTS</p>

◆ Product Description

SKD1510, is a 12 HDMI encoder. This product is carefully combined by 3 advanced encoding input modules and 1 powerful host, each module has 4 HDMI input, showing unparalleled encoding capabilities.

On the output side, SKD1510 demonstrates flexibility and adaptability. Its core is a Gigabit IP output, which is perfectly compatible with diversified protocols such as UDP, RTP, RTMP/HTTP/HLS, RTSP, SRT, and SPTS output to meet the diverse needs of various complex application scenarios.

SKD1510 also excels in encoding technology. It supports two industry-leading video encoding standards, H264 and H265, with a maximum encoding processing capability of up to 1080p@30fps, bringing users a delicate and smooth visual feast.

In addition, SKD1510 is also equipped with a 100M management network port, making device management more convenient and efficient, and can easily handle configuration adjustments and troubleshooting.

In terms of application areas, SKD1510 has shown a wide range of adaptability. Whether it is a high-end hotel, a warm and comfortable homestay, a hospital, an educational institution, or a large enterprise, a prison and other places, SKD1510 can stably and reliably provide IPTV signals, bringing users a high-quality audio-visual experience.

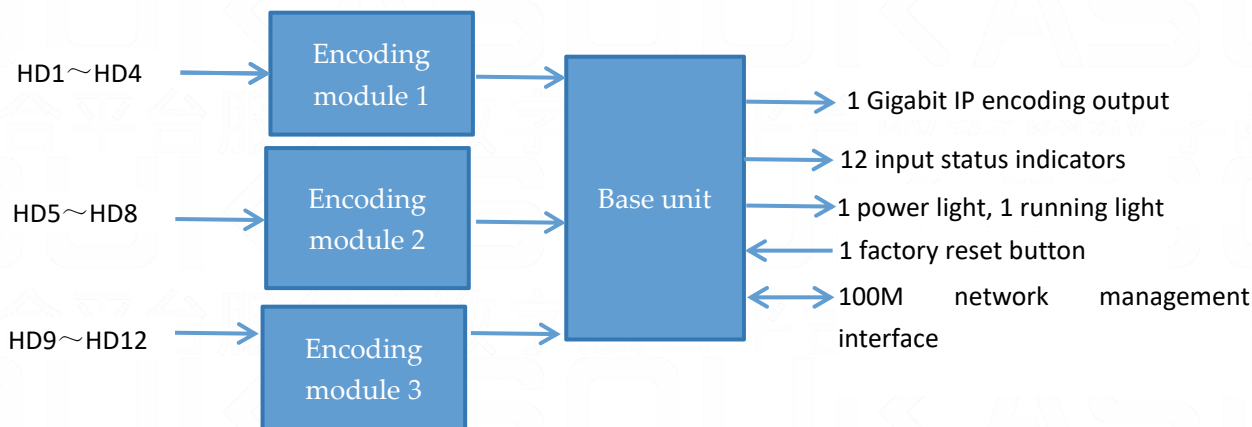
◆ Key Features

1. Excellent technology and performance integration: SKD1510 integrates advanced encoding technology and high-efficiency performance, and achieves excellent 12 HD encoding capabilities through three 4 HD encoding modules and one powerful host.
2. Flexible output and protocol support: With Gigabit IP output as the core, the product supports multiple network transmission protocols, including UDP, RTP, RTMP/HTTP/HLS, RTSP and SRT, making SPTS output easy and comfortable to meet the diverse needs of various application scenarios.
3. Efficient video encoding standards: SKD1510 supports two efficient video encoding standards, H264 and H265. Its maximum encoding processing capability can reach 1080p@30fps, bringing users clear and smooth visual enjoyment and ensuring that the picture quality reaches the industry-leading level.
4. Convenient device management: Through the 100M management network port, users can easily perform configuration adjustments, troubleshooting and other management operations on SKD1510, improving the convenience and efficiency of device use.
5. Wide applicability: SKD1510 is suitable for a variety of IPTV front-end systems, including hotels, B&Bs, hospitals, educational institutions, enterprises, prisons, etc. Whether it is a high-end

commercial venue or a warm and comfortable B&B, it can stably and reliably provide IPTV signals to meet users' pursuit of high-quality audio-visual experience.

6.Reliable and stable performance: After careful design and rigorous testing, SKD1510 can operate stably in various environments to ensure continuous, high-quality video services. It can maintain excellent performance whether it is running for a long time or facing emergencies.

◆ Schematic



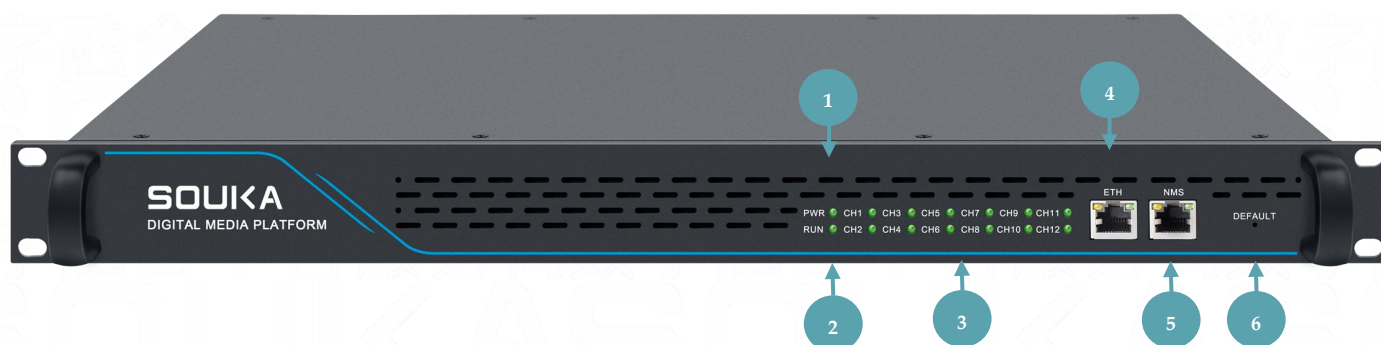
◆ Technical Parameters

1、 Main parameters of host SKD1510

Encoding module parameters	
Modules	3 pcs
Encoding Module	Each module has 4 HD input, 3 modules have 12 HD input in total
HD input	Compliant with MHL2.1, HDMI 1.4b, HDMI 1.4b 3D, HDCP 1.4 and DVI 1.0
Encoding performance	Supports up to 1080p@30fps H.265/H.264 encoding
Video encoding	H.264 Baseline/Main/High Profile Level 5.1 encoding H.265 Main Profile, Level 5.0 encoding
Rate Control Mode	CBR
Bit rate range	2000~13000kbps
Audio encoding	AAC
IP output parameters	
Port	1 Gigabit RJ45 port
IP protocols	Support UDP、RTP、RTMP/HTTP/HLS、RTSP、SRT

Stream format	Support SPTS stream processing
IP address output setting	Support
Output port setting	Support
Service ID setting	Support
Service name setting	Support
PID setting	Support PMT PID,Video PID,Audio PID setting
OSD parameter	
Subtitle	Supports up to 300 characters
	Support display vertical area setting
	Support font size setting
	Support font color, background color and transparency settings
	Support OSD subtitle display time and interval settings
Image	Supports horizontal and vertical display locale settings
	Support OSD image display time and interval settings
	Support OSD image upload
Device Management Parameters	
Port	1 100M RJ45 port
Device management method	Local web page management
	Remote cloud management
Host power parameters	
Input voltage range	AC90-264V
Rated frequency	50/60Hz
Maximum operating power	60W
Physical parameters	
Chassis size	486(W)*366(D)*43.8(H)mm
Package Size	535(L)*430(W)*120(H)mm
Working temperature, humidity	-10°C-45°C、40%-70%
Storage temperature and humidity	-40°C-70°C、40%-95%
Weight	Net weight: 4.77kg; Gross weight: 6.08kg
Installation	Standard 19-inch cabinet installation

◆ Front Panel



- 1 **PWR:** Green, this indicator light is on to indicate that power is detected. If it is off, it means one of the following situations:
 - a. The power supply is not connected or the switch on the rear panel is not turned on, or
 - b. If the power supply is connected but the device power supply fails, it needs to be returned to the factory for repair.
- 2 **RUN:** Green: When the device is powered on and the software is started, the indicator light will be on.
- 3 **CH1-CH12:** There are 8 indicator lights in total, which respectively indicate the connection status of the 12 input signals. If the light is always on, the signal connection is normal; if the light flashes, there is no connection or no input signal.
- 4 **ETH:** RJ45 Gigabit Ethernet interface for output of IP video stream.
- 5 **NMS:** RJ45 100M Ethernet interface, can monitor and configure the device through a standard WEB browser, factory default
IP address: 192.168.1.30
User name: user
Password: user
- 6 **DEFAULT:** Press and hold the button for about ten seconds until the RUN indicator goes out, then release the button and the device will restart. After the restart is complete, all parameters of the device will return to their default values.

◆ Rear panel



1 **Encoding module:** 3pcs

2 **HD port:** each encoding module has 4 HD input

3 **Power switch:** Press the "-" button below to turn on the device, and press the "O" button above to turn off the device.

4 **Power input:** AC power input

5 **GND:** Equipment grounding is an important safety measure that can effectively reduce the occurrence of electrical accidents and protect the safety of equipment and personnel.