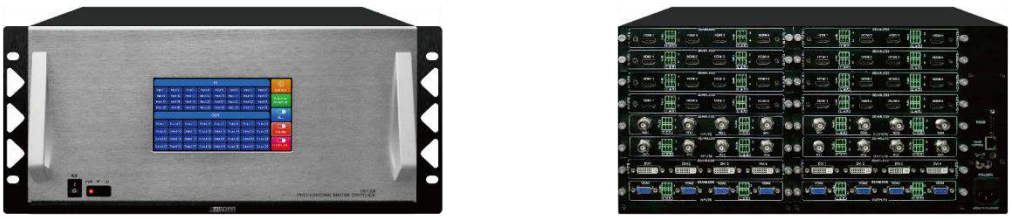
D6108 D6116 D6132

2K HD Seamless Hybrid Matrix

D6108

D6116



D6132

Description

The hybrid matrix switcher is an intelligent matrix switcher with high performance specially designed for the audio and video signal switching. It has an extensive application in the radio and television engineering, multimedia conference hall, large screen display engineering, television teaching and command control center.

Features

- An intelligent matrix switcher with high performance specially designed for the audio and video signal switching.
- Compatible with input / output cards of different signal types: HDMI, DVI, VGA, SDI and AV seamless input / output cards.
- Support multiple signal input and output intermixing matrix switching and provide the independent video signal and audio input and output terminal.
- Support separate transmission and switching of audio and video signal of each channel, to minimize the signal transmission attenuation with high-fidelity image and sound signal output.
- Equipped with such functions such as power-off protection, audio and video synchronization and separate switching.
- With RS232 communication port and TCP/IP (optional) control, it can be matched with the personal

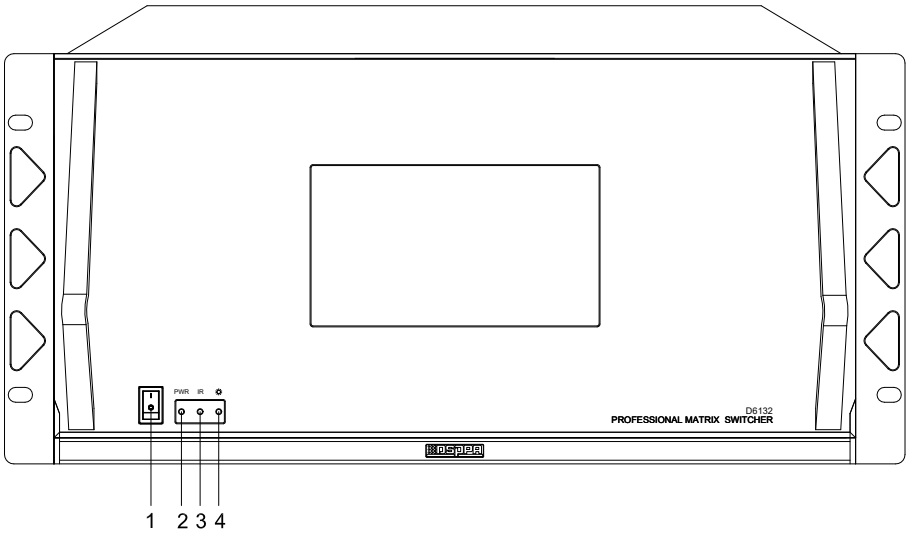
computer, remote system or different kinds of remote control devices easily.

Specifications

Model	D6108	D6116	D6132
Output	HDMI	Sensitivity	500±50mV
		Max. voltage	2.2±0.2V
		Freq. Resp.	50-20kHz (±3dB)
		Distortion	≦0.5%
		SNR	≧76dB
		Crosstalk attenuation	≦-80dB
	VGA	Sensitivity	1000±100mV
		Max. voltage	2±0.2V
		Freq. Resp.	20-20kHz (±3dB)
		Distortion	≦0.5%
		Crosstalk attenuation	≦-68dB
		SNR	≧80dB
	DVI	Signal strength	T.M.D.S+/-0.4Vpp
		Min.\Max. level	T.M.D.S2.9V/3.3V
		Input EDID	System default EDID
		Impedance	50Ω
		Max. direct offset error	15mv
	SDI	Sensitivity	500±50mV
		Max. voltage	2.2±0.2V
		Freq. Resp.	50-20kHz (±3dB)
		Distortion	≦0.5%
		SNR	≧76dB
		Crosstalk attenuation	≦-80dB
	AV	Sensitivity	1±0.1V
		Max. voltage	2.2±0.2V
		Freq. Resp.	20-20kHz (±3dB)
		Distortion	≦0.5%
		SNR	≧80dB
		Crosstalk attenuation	≦-68dB
	HDMI	Max. voltage	2.2±0.2V
		Freq. Resp.	50-20KHz (±3dB)
		THD	<0.3%
		SNR	>70dB
		Crosstalk attenuation	≦-80dB
		Noise floor	<0.5mV
	VGA	Max. voltage	2.2±0.2V
		Freq. Resp.	20-20KHz (±3dB)
		THD	≦0.3%
		SNR	≧80dB
		Crosstalk attenuation	≦-68dB

		Noise floor	≦0.5mV
	DVI	Interface type	DVI-D female interface
		Min.\Max. level	T.M.D.S.2.9V/3.3V
		Impedance	50Ω
	SDI	Max. voltage	2.2±0.2V
		Freq. Resp.	50-20KHz (±3dB)
		THD	<0.3%
		SNR	>70dB
		Crosstalk attenuation	≦-80dB
		Noise floor	<0.5mV
	AV	Max. voltage	2.2±0.2V
		Freq. Resp.	20-20KHz (±3dB)
		THD	<0.3%
		SNR	>80dB
		Crosstalk attenuation	≦68dB
		Noise floor	<0.5mV
Screen size	4.3”	7”	7”
Packing size	530×485×190mm	530×485×250mm	530×485×355mm
Machine size	483×330×88 mm	483×330×132 mm	483×330×220mm
Gross weight	7.7kg	9.5kg	13.8kg
Net weight	6.7kg	8.5kg	12.3kg

Front / Rear Panel



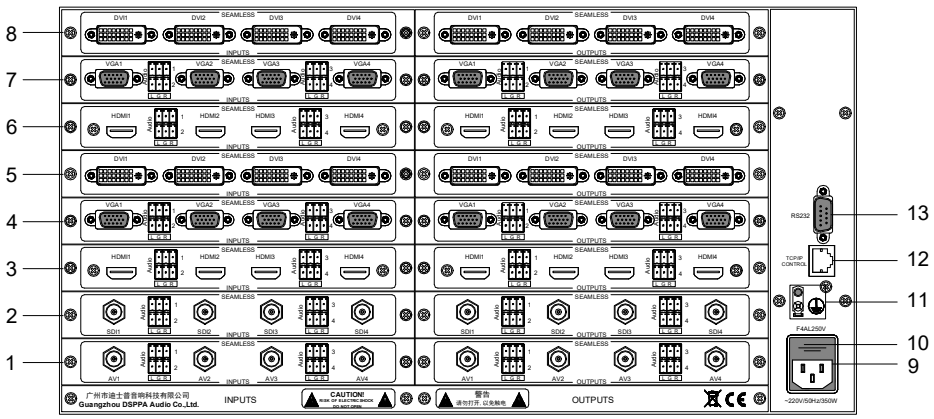
1.Power

2.Power LED

3.Infrared Remote Control RWIN

4.Infrared Remote LED

- The LED flashes a blue light when it receives a full command from the infrared remote controller.



1. AV IN/AV OUT

2. SDI IN/SDI OUT

3/6. HDMI IN/HDMI OUT

4/7. VGA IN/VGA OUT

5/8. DVI IN/DVI OUT

9. Power Supply

- ~220V/50Hz/350W power supply (D6108 with ~220V/50Hz/100W, D6116with ~220V/50Hz//200W).

10. Fuse Holder

- F4AL250V fuse holder (D6108 with F2AL250V, D6116 with F2AL250V);
- Please replace it with a fuse of the same specification if the fuse is blown;
- Please remove the faults before replacing the fuse if there is continuous fuse blowing;

11. GND Connector

- Used to connect the device to the ground, to prevent electric shock or equipment damage caused by electric leakage or static electricity.

12. RJ45 Network Interface

- Used to connect the computer terminal.

13. RS232 Serial Port (Female Port)

- Used to connect the central control to control the matrix or used to connect the computer with USB to serial port cable to control the device through the serial port assistant.

Note:

1. Input / output channel arrangement method: as shown on the rear panel, there are 1~32 channels from left to right and from top to bottom (D6108: 1~8 channels; D6116: 1~16 channels).

2. The signal card on the rear panel is for reference only, and can be replaced at will.

System Diagram