

Signal Generator with 6-groups of dynamic signal

VER:1.0



PG8201 Signal Generator(6-groups of 4-CH SDI+8- CH HDMI+8- CH Type C dynamic video signal)



Product Introduction

DeviceWell multi-channel SDI dynamic video signal generator, standard half 1U chassis, supports computer room installation, equipment supports 6 groups of 4 serial SDI digital signals+8 HDMI+8 Type C signal outputs, modular design, interchangeable with other interfaces. The module has built-in USB video playback, supports multiple video formats. The system supports up to 1080P60 resolution and is backward compatible. Can be widely used for SDI video dynamic testing. It can be used for SDI equipment testing and video central control broadcasting industries.

Product Features

- ◇ 4 channels and 2 groups of different SDI signal outputs
- ◇ 8 channels and 4 different HDMI signal outputs
- ◇ 8 channels and 4 groups of different Type C signal outputs
- ◇ Supports 270M/1.485G/2.97G SD/HD/3G SDI signals
- ◇ 1080P/1080I/720P/480I/625I and other video formats
- ◇ Each group has independent USB playback, with different resolutions and program sources available for selection
- ◇ Each group independently controls playback, pause, up/down selection of programs, resolution changes, etc
- ◇ Support keypad control
- ◇ Half 1U chassis, standard DC 12V power system

Interface Description

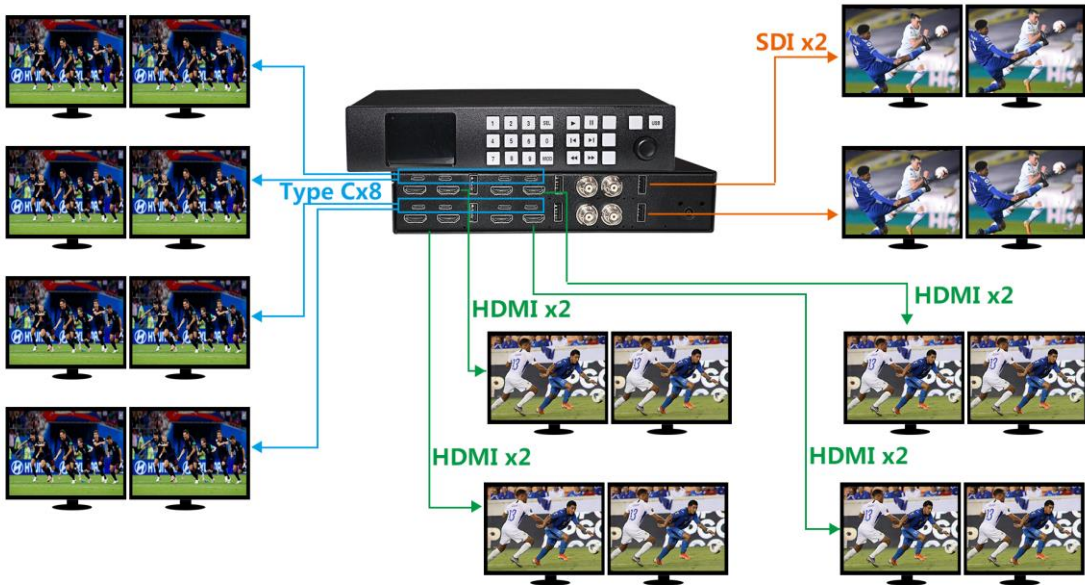


NO.	Function	NO.	Function
1	LCD display	6	4-channel SDI output
2	Button	7	2-CH USB interface
3	Knob control	8	4-CH HDMI interface
4	DC 12V	9	2-CH USB interface
5	2-CH USB interface	10	4-CH HDMI interface
11	8-CH Type C interface		

Product Parameters

Name	Signal Generator with 6-groups of dynamic signal	
Model	PG8201	
USB Input	Connector	USB
	Program source	H.264,MPEG,TS etc.
SDI Output	Output signal	SDI high-definition serial digital video signal
	Bitrate	270Mbps~2.97Gbps
	Connector	BNC complies with the IEC 169-8 standard
	Signal amplitude	800mV±10%(75R)
	Impedance	75Ω
	Jitter	<0.2UI
HDMI Output	Output signal	HDMI video signal
	Bitrate	270Mbps~2.97Gbps
	Connector	standard
	Signal amplitude	800mV±10%(HDMI)
	Impedance	100Ω
Type C Output	Output signal	DisplayPort
	Bitrate	270Mbps~2.97Gbps
	Connector	Type-C
Conventional Parameters	Power supply	DC 12 V
	Power	<20W
	Size	220x45x165mm
	Control	Front panel buttons
	Weight	1kg
	Operating Temperature	0℃~50℃ No condensation
	Storage temperature	-20℃~75℃
	Operating Humidity	20%~70%RH

Application



Resolution

NO.	Resolution	NO.	Resolution
1	720P24	7	1080I60
2	720P25	8	1080P24
3	720P30	9	1080P25
4	720P50	10	1080P30
5	720P60	11	1080P50
6	1080I50	12	1080P60

Supported formats

MEDIA	FILE EXTENSION	
Movie	MPEG1、MPEG2、MPEG4、H264、RM、RMVB、MOV、MJPEG、VC1、Divx、FLV	.avi、.mpg、.dat、.vob、.div、.mov、.mkv、.rm、.rmvb、.mp4、.mjpeg、.ts、.trp、.wmv、.asf、.flv

Operation Manual

◆ Front panel style



◆ Function card number



◆ Function card selection



Pressing the 1-6 buttons in sequence can control the 1-6 function cards separately

◆ Display the corresponding mode of the current board

SEL

Select the card that needs to be operated, press the corresponding value, and then press the SEL key

◆ Display the current output resolution of the board

MOD

Select the resolution that needs to be output, press the corresponding value, and then press the MOD key

◆ Knob selection



Knob control

◆Playback Control



Play



Pause



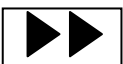
Play Video Quick Return



Play video fast forward



Play the previous program



Play the next program

◆Display screen menu description

STATUS		
NUM:	00	
ID :	02	MOD : 12
ID	SRC	MOD
1	MOV	12-1080P60HZ
2	MOV	12-1080P60HZ
3	MOV	12-1080P60HZ
4	MOV	12-1080P60HZ
5	MOV	12-1080P60HZ
6	MOV	12-1080P60HZ

- NUM Display the current input value
- ID The currently selected card ID number controls the corresponding card under this ID number.
- MOD Resolution number