



SPC100 Synchronous Signal Generator

Specification V3.0

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1 Product Overview

Product Introduction

SPC100 series synchronous signal generator, support multiple BB signal or three-level signal output, using the chassis and board configuration, SPC100 synchronous signal generator is a video processor, studio, broadcast control system and virtual system in the high-quality synchronization signal source, is a synchronization system in the necessary equipment.

Product Features

- Supports multiple synchronized signal outputs
- Supports external phase locking
- Supports gain control
- Support external redundant adapter power supply, safe and reliable

Application Scenarios

SPC100 series synchronous signal generator is mainly used in video processor, server broadcast control system, studio, virtual system and other synchronization systems.

2 Product Parameters

Basic Parameters

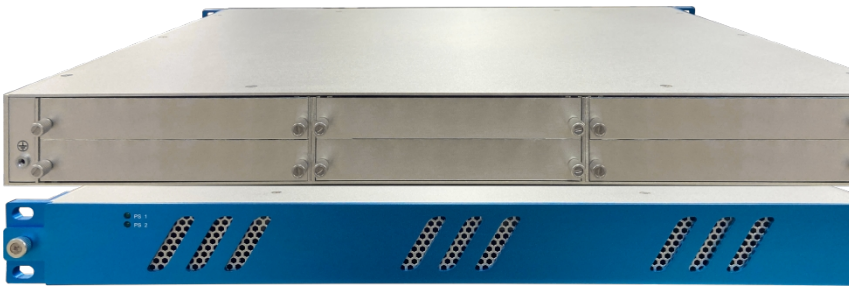


SPC100 Series Synchronous Signal Generator						
Product Model	SPC100-7	SPC100-12	SPC100-17	SPC100-22	SPC100-27	SPC100-32
Chassis Type	1U					
Maximum Number of Sync Signal Generation Cards	1					
Maximum number of analog video splitter cards		1	2	3	4	5
Signal Output	7	12	17	22	27	32

Technical Parameters

- Synchronized signal output
- Signal standard: SMPTE170M, ITU624-2
- System: PAL, NTSC
- Interface: BNC 75 ohm
- Signal input amplitude: 1000 mV \pm 10%
- Reflection Loss: >40 dB, 0.1 MHz to 6 MHz

- **Differential Gain: <0.5%**
- **Differential phase: < 1%**

Hardware Introduction

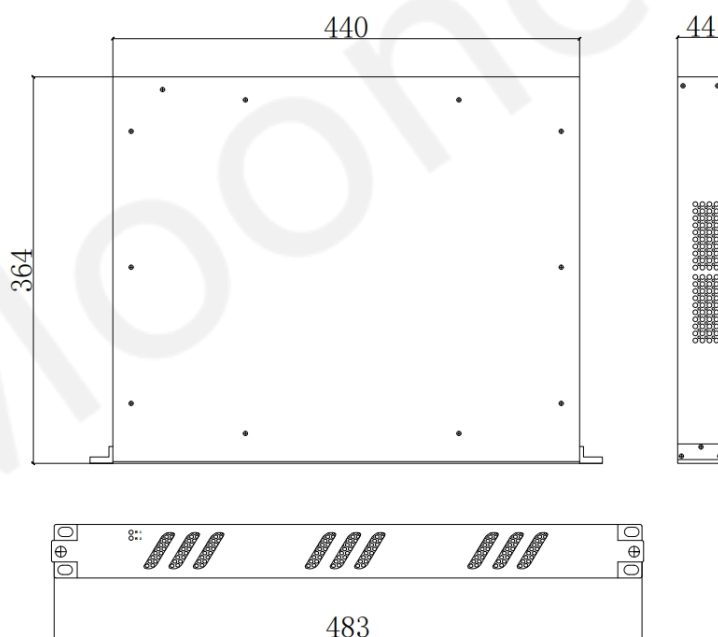
Type	Parameters
1U Chassis	 <p>1U chassis, 6 slots, redundant power supplies</p> <p>Aluminum alloy material, light weight, good heat dissipation</p>
Synchronization Signal Generation Card	 <p>7-channel black field synchronized signal generator</p> <p>7-channel BB signal output, support three-level signal</p>
analog video card	 <p>1 analog video input, 6 analog video outputs</p> <p>Support cable equalization, PAL/NTSC system adaptation, support gain control</p>

3 Product Specifications

Specifications

electrical parameters	input voltage	DC 12V
working environment	Temperature	0°C~45°C
	Humidity	0%RH~80%RH, non-solidifying
Device Specification	Chassis	1U
	Dimension	483mmx364mmx44mm
	Net Weight	3.2Kg

Dimensions



Precautions

- The installation process must be completed by professional personnel.
- Prohibit liquid, metal fragments and other conductive objects to be

immersed inside the equipment to avoid causing safety accidents.

- Please use the equipment in a dry and clean environment.