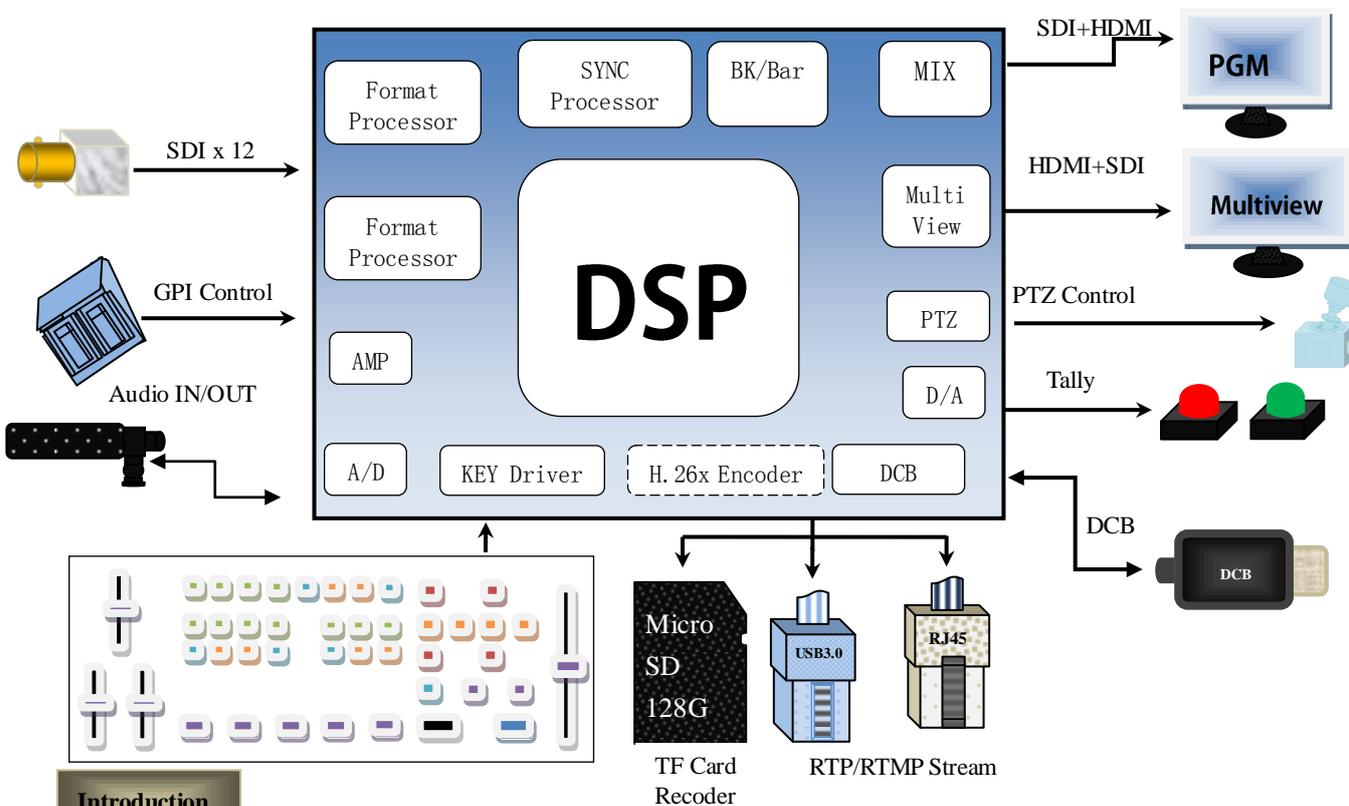


HDS6312(12xSDI+Record/Stream/Camera Control)

Version:1.0



Functional Diagram



Introduction

The HDS6312, a dedicated switcher for Broadcast & TV / studio, adopts a portable integrated design, metal shell, small size and light weight, which can be applied to the video special effect switching requirements of small scenes. The device integrates multiview processor, special effect generator, audio processor, control keyboard and other common switcher components.

HDS6312 conforms to the SMPTE standard and supports 12-CH SDI signal input. Simultaneous output of multiview and PGM signals. HDS6312 supports SDI embedded audio + external analog audio. After mixed processing, it can be embedded into the output SDI/HDMI signal or output from the analog port. The resolution of all input signals is automatically adapted, and the resolution of output signals can be selected according to requirements, which is quite flexible. For broadcast and television, program production, on-site production of interviews and speeches, outdoor sports events, and other video switching requirements, the functions of HDS6312 can fully meet the needs.

Features

- Metal aluminum alloy material, high strength and light weight.
- A separate PATTERN KEY can be set with various irregular patterns, and the position, size, and quantity of images can be adjusted. There are hundreds of special effects such as circular, diamond, fan, plum blossom, and lower
- Support joystick and camera control
- Industrial grade mechanical buttons with professional feel
- Support RJ45 remote control
- Support DCB control
- Radio and television standard Tally interface
- Support GPI control
- Support foot pedal, control handle and other inputs
- Support 12xSDI input
- MULTIVIEW output: 1-CH HDMI+1-CH SDI
- PGM output: 2-CH HDMI+2-CH SDI
- Supports RJ45 streaming, lossless, non compressed transmission
- Support TF card recording, with selectable video quality for recording
- Support network RTMP streaming
- 2 Analog Audio inputs
- 2 Analog Audio output
- supports audio following and mixing functions
- Support for SDI audio deblocking
- Support for special effects switching such as MIX/FADE
- Support for CUT hard switching and AUTO special effects switching
- Color bar test screen output can also be generated inside the device
- One-key screen freeze (STILL) function
- Supports one click FTB emergency black field function
- Support PIP/POP screen window function
- 1 group of KEY, support Luma key, chroma key, key image and superimposed character function
- Supporting the supporting Devicewell TALLY light system
- Built in chassis temperature detection and intelligent fan control system

Interfaces



No.	Definition	Description
1	Audio output	2 Analog Audio output
2	Audio input	2 Analog Audio inputs
3	RJ45	Network Stream
4	HDMI OUT	HDMI PGM output
5	TF Card	TF Card Record
6	DCB	DCB control (device cascade/wireless tally/external keyboard)
7	SDI IN	12-CH SDI input
8	AUX	Custom Output
9	SDI PGM OUT	2SDI PGM live output
10	SDI MULTIVIEW	SDI multiview output
11	HDMI PGM OUT	2HDMI PGM live output
12	DC 12V	power input
13	HDMI MULTIVIEW	HDMI multiview output
14	RS422	PTZ Camera Control
15	GPI	GPI control
16	TALLY	wireless TALLY system (DB-25)

Parameters

Series	HDS Series
Model	HDS6312
Input settings	12-CH SDI input
Video system	HD & SD&3G
Input signal format	SDI video signal
Output signal format	SDI/HDMI video signal
Video input	Max: 12x SDI
Video output	PGM output: 4*SDI+2*HDMI
Multiview output monitoring	1x HDMI; 1x SDI
Screen display	12xSDI HD DISPLAY
Audio input	2x Analog Audio
Audio output	2x Analog Audio
Luma/Chroma/overlay	YES
TF card recording	YES
PIP/POP	YES
Special effects	T-BAR/AUTO/FTB/CUT/STILL/ PATTERN KEY
Transitions	WIPE/MIX/INV/FADE
Camera control	MIX:12-WAY CAMERA CONTROL
Power supply	DC 12V
Size	360*176*54mm
Weight	1.8Kg
Operating temperature	0°C~50°C without condensation
Storage temperature	-20°C~75°C
Working humidity	20%~70%RH
Storage humidity	0%~90%RH, No condensation

Application

