

SC-PIP202 Scaler Switcher

Multi-signal Upscaling PIP Mixed Matrix System

- Integrates video, HDTV, DVI-D, and computer-video sources into presentation systems with audio switching
- RGB, HDTV, and video scaling
- PIP - picture-in-picture
- Seamless switching
- On-screen display
- User selectable output rates from 640x480 to 1920x1200, including HDTV 1080p/60
- WiFi remote controller as option



The CREATOR **SC-PIP202** is specially designed and applicable for different signals switching and high-resolution image display. It is a high performance AV switcher with functions of DVI output, monitor, line doubler, PIP. LCD monitor and luminous operation keyboard design make the operation more explicit.

It support a variety of control of panel keyboard, RS-232 and Ethernet remote, compatible to multiple signal sources like component video signal (COMP), composite video (CV), S-Video (Y/C), VGA and DVI, with high definition display under SVGA, XGA, SXGA signal modes.

The product is mainly applied in multimedia conference room, command control center, classroom ,church, hospital and stage etc.

FUNCTIONS&FEATURES

- ◆ Support and self-adapt to multiple component video signal (COMP) formats including NTST, PAL, SECAM, composite video (CV), S-Video (Y/C), VGA and DVI and other signal sources.
- ◆ Support HDTV compatible component
- ◆ Support output resolutions: 800X600@60Hz , 1024X768@60Hz , 1280X720@60Hz , 1280X1024@60Hz , 1366X768@60Hz , 1400X1050@60Hz , 1920X1080@60Hz
- ◆ To conduct real-time seamless switching within the screens, including special effects of fade in/out, pull-and-push and stretch
- ◆ With PIP function, any video image could be inserted into PC display signal.
- ◆ Use port and touch screen to adjust the size and location of PIP
- ◆ Support of frozen screen, audio output mute control
- ◆ Support color, hue, sharpness, contrast and brightness adjustment, satisfying your different need for screen visual effect
- ◆ High quality 3:2 and 2:2 line doubling process
- ◆ Support panel keyboard, RS-232 and Ethernet remote control, in convenient and flexible operation.
- ◆ With front panel lock function, avoiding accidental operation.
- ◆ Standard 19" case design

MATCHED AND COMPATIBLE DEVICE

- ◆ CR-WiFi-G7 Wireless programmable touch screen CREATOR specially designed CR-WiFi-G7 wireless touch screen and supporting the use of SC-PIP202,



- ◆ Wireless Transmitter and Receiver:
CR-WF10 Wireless Access Point

Video input

Number/signal type.....	2 composite video 2 S-video 2 component video(Y, Pb/cb, Pr/cr) 1 VGA 1 DVI-D digital video (single link)
Connectors.....	2 female RCA 2 S-video 2x 3 female RCA 1 female 15-pin HD 1 female DVI-D
Nominal level	1 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for VGA and for PB/CB and PR/CR of component video 0.3 Vp-p for C of S-video
Minimum/maximum levels	0 V to 1.0 Vp-p with no offset
Impedance.....	5 ohms
Horizontal frequency.....	15 kHz to 95 kHz
Vertical frequency.....	50 Hz to 85 Hz
Resolution range	640 x 480 to 1920 x 1200, 480i/p, 576i/p, 720i/p, 1080i/p
Return loss.....	<-30 dB @ 5 MHz

Video processing

Digital sampling 24 bit, 8 bits per color;

Video processing

Number/signal type	2 DVI-D
Connectors	2 female DVI-D
Nominal level.....	1 Vp-p for Y of component video 0.7 Vp-p for VGA and for PB/CB and PR/CR of component video
Minimum/maximum levels	0 V to 1.0 Vp-p
Impedance	75 ohms
Vertical frequency.....	60Hz
Scaled resolution	800x600, 1024x768, 1280x720P, 1280x1024, 1366x768, 1400x1050, 1920x1080P. 60Hz
Switching type	Fade-in, fade-out, chess board, triangle etc.
Effect.....	Screen Freeze, Video zoom (100% to 400%)

Sync

Input type.....	Composite, component, s-video, VGA, DVI-D
Output type.....	DVI-D
Standards	NTSC 3.58, NTSC 4.43, PAL, SECAM
Output level.....	TTL: 5.0 Vp-p
Input impedance.....	75 ohms
Output impedance ...	75 ohms
Max. input voltage ...	5V p-p
Polarity	Positive or negative (auto)

Audio

Gain.....	Unbalanced output: 0 dB
Frequency response...	20 Hz to 20 kHz
S/N.....	>58dB
Stereo channel separation...	>80dB @ 1 kHz

Audio input

Number/signal type ...	8 stereo, balanced
Connectors	(8) 3.5 mm captive screw connectors, 5 pole
Impedance.....	>10k ohms unbalanced or balance,

Audio output

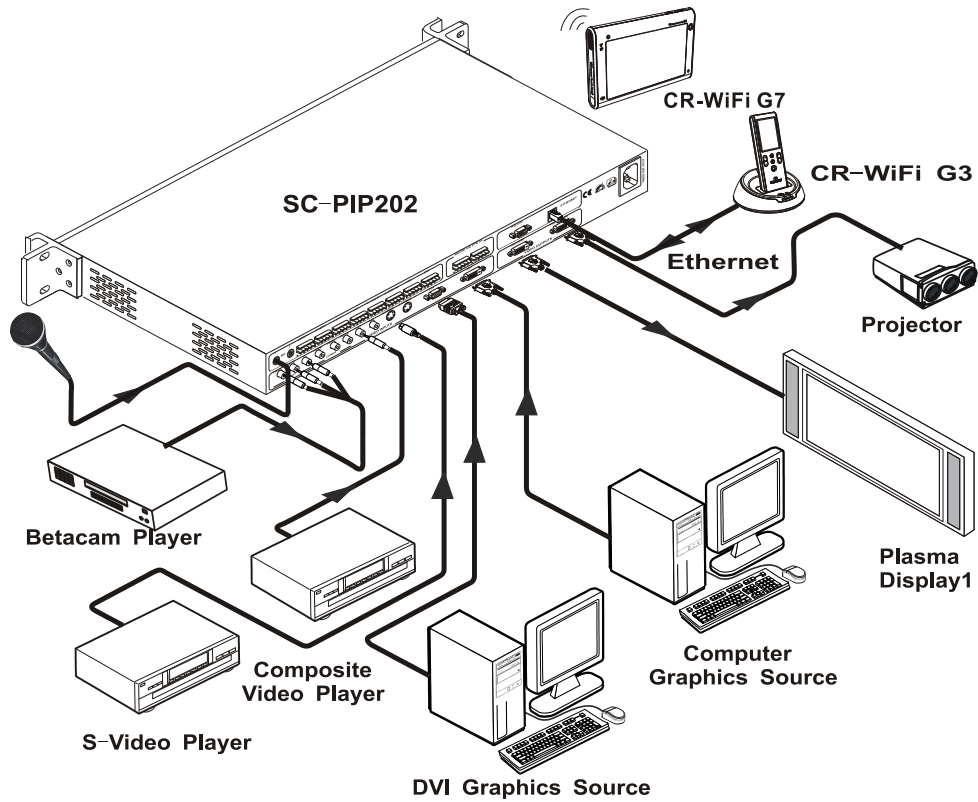
Number/signal type.....	2 stereo, balanced (1 program, 1 preview)
Connectors.....	(2) 3.5 mm captive screw connector, 5 pole
Impedance	50 ohms unbalanced, 100 ohms balanced
Gain error.....	± 0.1 dB channel to channel
Maximum level (600 ohm) ...	>10k ohms unbalanced or balance

Control/remote — switch**Front panel**

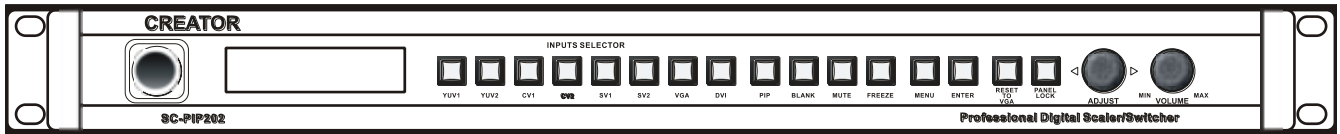
Serial control port.....	1 RS-232: 1 rear panel 9-pin female D connector
Baud rate and protocol ...	9600 baud, 8 data bits, 1 stop bit, no parity
Serial control pin configurations ...	2 = Tx, 3 = Rx, 5 = GND
Ethernet control port....	1 RJ-45 female connector

General

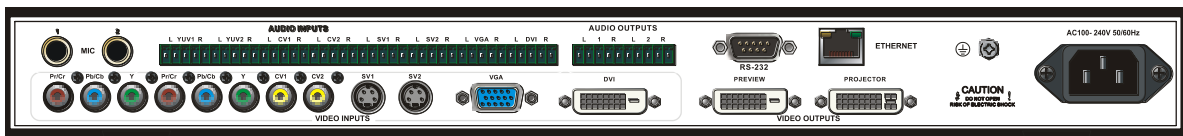
Power.....	100VAC to 240 VAC, 50-60Hz, watts,internal
Temperature/humidity...Storage:	-20° ~ +70° C
Operating:	10% ~90%
Rack mount.....	Yes, with included brackets
Enclosure type.....	Metal
Enclosure dimensions ...	4.33cm (H)x43cm(W)x24.5cm(D)
Product weight.....	2kg
Shipping weight.....	4kg
Safety.....	CE, c-UL, UL
EMI/EMC	CE, C-tick, FCC Class A, ICES, VCCI
MTBF.....	30,000 hours
Warranty.....	3 years parts and labor



PANEL DRAWINGS



SC-PIP202(Front)



(Back)

CREATOR Headquarters
 Mail: creator@creator.com.cn
 Tel: (+86 20)82219744

CREATOR Australia
 Mail: michelleliang@creator.com.cn
 Tel: (+612) 9758 3859

CREATOR USA
 Mail: usa@creator.com.cn
 Tel: (+1) 4256724828

CREATOR SG Pte Ltd
 Mail: luke@creator.com.cn
 Tel: (+65) 6258 6826

CREATOR TaiWan
 Mail: creator@anet.net.tw
 Tel: (+886 7) 9650800