

EX-G067C

Miniature HD/SD-SDI to Component Converter

User Manual

Photo



Safety and Notice

The **EX-G067C Miniature HD/SD-SDI to Component Converter** has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipments, EX-G067A should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Follow all instructions and warnings marked on this unit.
- Do not attempt to service this unit yourself, except where explained in this manual.
- Provide proper ventilation and air circulation and do not use near water.
- Keep objects that might damage the device and assure that the placement of this unit is on a stable surface.
- Use only the power adapter and power cords and connection cables designed for this unit.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.

Introduction

The **EX-G067C HD/SD-SDI to Component Converter** provides high quality 12 bit conversion between SDI digital video input and Component analog video output. Plus, with two extra retimed SDI loop-outs, EX-G067C can also be treated as an advanced SDI splitter. The EX-G067C supports both SD-SDI and HD-SDI formats including SMPTE 259M, SMPTE 292M, and SMPTE 296M. The miniature SDI converter with mounting ears provides users the most convenient and cost effective way to complete the SDI conversion to the most popular component format with high quality guarantee!

Features

- Excellent quality 12-bit D/A conversion
- Supported high-definition (HD) formats: 1080i @50/59.94/60Hz, 1035i @50/59.94/60Hz, 720p @50/59.94/60Hz
- Supported standard-definition (SD) formats: NTSC @59.94Hz, PAL @50Hz
- Auto HD/SD-SDI detection
- Two equalized and retimed loop outputs
- Easy installation
- External DIP Switch Configuration

Application Diagram Here

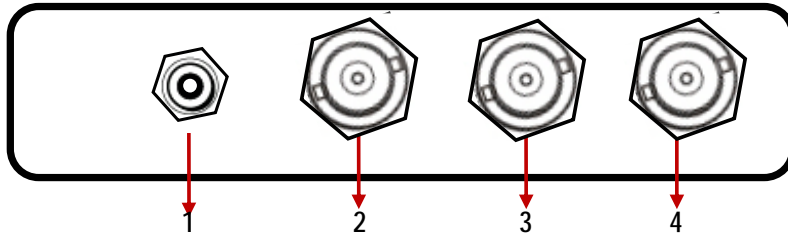
Specifications & Package Contents

Model Name	EX-G067A	EX-G067C	EX-G067B
Technical			
SDI standards	SD-SDI & HD-SDI		
Auto HD/SD-SDI Detection	Yes		
Video bandwidth	[1.485Gpbs & 1.485/1.001Gpbs]		
Video support	[HD] 720p50/59.94/60, 1035i50/59.94/60, 1080i50/59.94/60, 1080p24/30 [SD] NTSC@59.94Hz, PAL@50Hz		
Audio Support	N/A	N/A	Up to 8 Channels
Input signal	[SD-SDI] SMPTE 259M [HD-SDI] SMPTE 292M, 296M		
Output signal	HDMI (video only) / Component video	Component video	Component video Balanced/Unbalanced Audio
Output impedance	75Ω		
Video DAC conversion	12 bits		
Audio DAC conversion	24 bits		
Synchronization mode	Internal or external synchronization	Internal synchronization	Internal synchronization
Cable equalization	[HD-SDI] up to 150m (500ft) [SD-SDI] up to 300m (1000ft)		
Loop-out	2 equalized SDI loop-outs	2 equalized and re-clocked SDI loop-outs	2 equalized and re-clocked SDI loop-outs
PCB stack-up	6-layer board [impedance control — differential 100Ω; single 50Ω]		
Input	1x BNC [SDI]		
Output	1x HDMI/DVI 1x Component 2x BNC [SDI]	1x Component 2x BNC [SDI]	8x RCA/XLR 1x Component 2x BNC [SDI]
BNC connector	75Ω inter-locked socket		
HDMI connector	Type A [19-pin female]		
VGA connector	HD-15 [15-pin D-sub female]		
DIP switch	8-pin [output format / color space / gain control / pedestal]	None	4-pin [Audio Mute / Audio Group / Reserved / Reserved]
Mechanical			
Housing	Metal case		
Dimensions (L x W x H)	Model	160 x 110 x 25mm [6.3"x4.3"x1"]	
	Package	270 x 175 x 80mm [10.6"x6.9"x3.2"]	
	Carton	450 x 370 x 300mm [1'5.7"x1'2.6"x11.8"]	
Weight	Model	418g [0.9 lbs]	
	Package	1031g [2.3 lbs]	
Fixedness	Inter-locked power supply		
Power supply	5V 4A DC		

Power consumption	10 Watts [max]		
Operation temperature	0~40°C [32~104°F]		
Storage temperature	-20~60°C [-4~140°F]		
Relative humidity	20~90% RH [no condensation]		
Package Contents	1x EX-G067A 1x 5V power adapter 1x VGA-to-component breakout cable 1x HDMI-to-DVI adapter 1x User Manual	1x EX-G067C 1x 5V power adapter 1x User Manual	1x EX-G067B 1x XLR Adaptor 1x 5V power adapter 1x User Manual

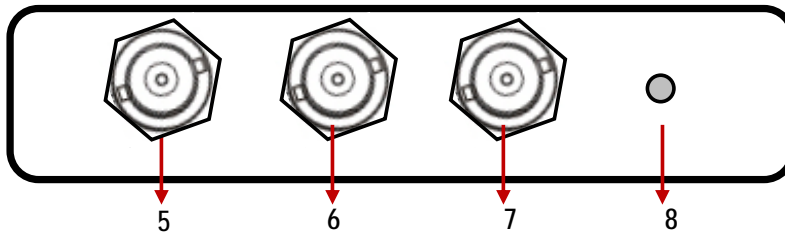
Panel Descriptions

Front Panel



- 1. 5V power
- 2. HD/SD-SDI output #1
- 3. HD/SD-SDI output #2
- 4. HD/SD-SDI input

Rear Panel



- 5. Component Output Pr
- 6. Component output Pb
- 7. Component output Y
- 8. Signal Detection LED

Supported Resolutions

HD INPUT	
720p @ 50Hz	SMPTE 296M -3
720p @ 60 / 59.94Hz	SMPTE 296M -1, -2
1080i @ 25Hz	SMPTE 274M -6
1080i @ 30 / 29.97Hz	SMPTE 274M -4, -5
1080p @ 24 / 23.98Hz	SMPTE 274M -10, -11
1080p @ 25Hz	SMPTE 274M -9
1080p @ 30 / 29.97Hz	SMPTE 274M -7, -8
SD INPUT	
NTSC	
PAL B,D,G,H,I	

Limited Warranty

The SELLER warrants the **EX-G067C Miniature HD/SD-SDI to Component Converter** to be free from defects in the material and workmanship for 1 year from the date of purchase from the SELLER or an authorized dealer. Should this product fail to be in good working order within 1 year warranty period, The SELLER, at its option, repair or replace the unit, provided that the unit has not been subjected to accident, disaster, abuse or any unauthorized modifications including static discharge and power surges.

Unit that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for 90 days from the day of reshipment to the BUYER. If the unit is delivered by mail, customers agree to insure the unit or assume the risk of loss or damage in transit. Under no circumstances will a unit be accepted without a return authorization number.

The warranty is in lieu of all other warranties expressed or implied, including without limitations, any other implied warranty or fitness or merchantability for any particular purpose, all of which are expressly disclaimed.

Proof of sale may be required in order to claim warranty. Customers outside Taiwan are responsible for shipping charges to and from the SELLER. Cables are limited to a 30 day warranty and cable must be free from any markings, scratches, and neatly coiled.

The content of this manual has been carefully checked and is believed to be accurate. However, The SELLER assumes no responsibility for any inaccuracies that may be contained in this manual. The SELLER will NOT be liable for direct, indirect, incidental, special, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. Also, the technical information contained herein regarding the **EX-G067C** features and specifications is subject to change without further notice.