



12G/6G/3G/HD/SD-SDI 7" LCD Monitor



P/N: AV-GM09C3-S1K



Safety and Notice

The **AV-GM09C3-S1K 12G/6G/3G/HD/SD-SDI 7" LCD Monitor** has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipments, **AV-GM09C3-S1K** 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.



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INTRODUCTION

The **AV-GM09C3-S1K 12G/6G/3G/HD/SD-SDI 7" LCD Monitor** is an advanced SDI monitor with multi-format support. Not only receiving SDI signal, AV-GM09C3-S1K can also bypass SDI input to SDI output. This device is equipped with four buttons and 7" panel to make the device compact and portable. With four push buttons on the side, users can control, adjust and calibrate panel via OSD easily.

FEATURES

- SD/HD/3G/6G/12G SDI compliant
- Supports input up to 4K2K@60 4:2:2 10bits
- Built-in advanced scaler to scale up and down the input to fit on screen
- RS-232 Firmware upgradable to guarantee the functionality revised.
- Push buttons for OSD selection

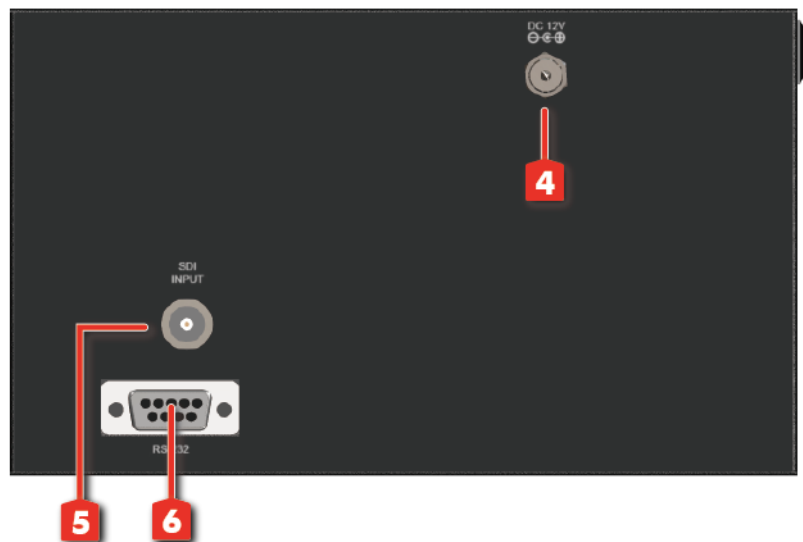
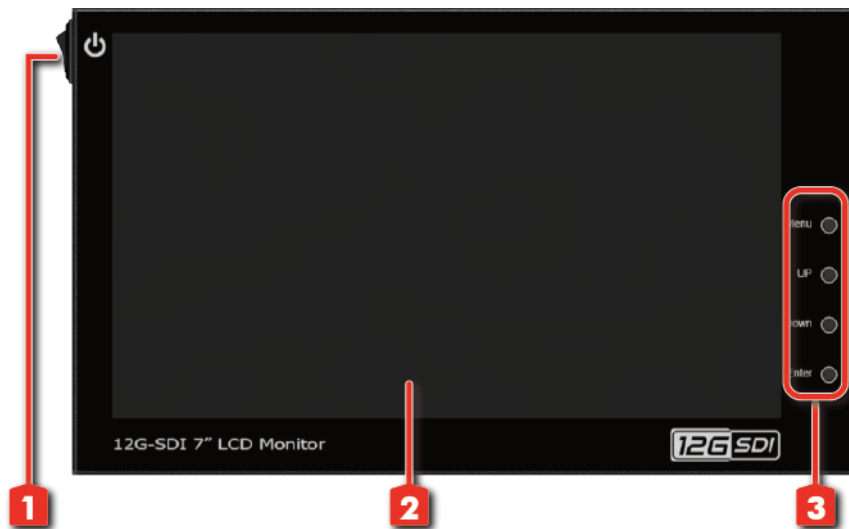
PACKAGE CONTENTS

- 1x AV-GM09C3-S1K
- 1x DC 12V 2A
- 1x User Manual

SPECIFICATIONS

Model Name	AV-GM09C3-S1K	
Technical		
LCD size & resolution	7" & 800x480	
LCD color depth	24 bit RGB	
Video support	SD/HD/3G/6G/12G	
SDI bypass	Yes	
Input	1 x SDI	
Output	N/A	
ESD protection	Human body model — ±15kV [air-gap discharge] & ±8kV [contact discharge]	
PCB stack-up	6-layer board [impedance control — differential 100Ω; single 75Ω]	
BNC connector	75Ω interlocking socket	
RS-232 connector	DE-9 [9-pin D-sub female]	
Mechanical		
Housing	Metal enclosure	
Dimensions [L x W x H]	Model	173 x 108 x 28mm [6.8" x 4.3" x 1.1"]
	Package	264 x 170 x 77mm [10.3" x 6.7" x 3"]
	Carton	430 x 358 x 291mm [1'4" x 1'2" x 11.5"]
Weight	Model	474g [16.7oz]
	Package	926g [2lbs]
Fixedness	Wall-mounting case with screws	
Power supply	12V 2A DC	
Power consumption	6.5 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]	

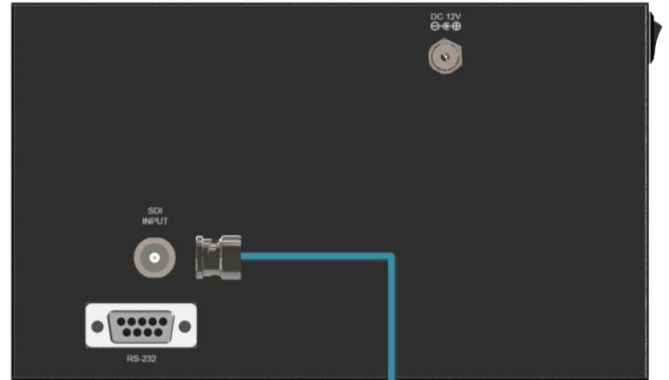
PANEL DESCRIPTIONS



1. **Power Switch:** Power ON/OFF switch
2. **7" LCD Monitor**
3. **PUSH BUTTON**
[First]: Menu Button
[Second]: Up Button
[Third]: Down Button
[Fourth]: Enter Button
4. **+12V DC:** 12V DC power jack
5. **SDI IN:** 12G/6G/3G/HD/SD-SDI input
6. **RS-232:** for F/W update

CONNECTION DIAGRAM

→ COAXIAL



COAX CABLE



SUPPORT RESOLUTION

Resolution
525i 59.94Hz (480i 59.94Hz)
625i 50Hz (576i 50Hz)
720p 23.98Hz
720p 24Hz
720p 25Hz
720p 29.97Hz
720p 30Hz
720p 50Hz
720p 59.94Hz
720p 60Hz
1080sf 25Hz
1080sf 29.97Hz
1080sf 30Hz
1080i 50Hz
1080i 59.94Hz
1080i 60Hz
1080p 23.98Hz
1080p 24Hz
1080p 25Hz
1080p 29.97Hz
1080p 30Hz
1080p 50Hz
1080p 59.94Hz
1080p 60Hz
4K2K 23.98Hz
4K2K 24Hz
4K2K 25Hz
4K2K 29.97Hz
4K2K 30Hz
4K2K 50Hz
4K2K 59.94Hz
4K2K 60Hz

OSD MENU

Menu	Items	Remark
1. Information	Input Res. Info	Read format information from source
	Data Rate	
2. Image	Contrast	0~255 of Contrast Level
	Brightness	0~255 of Brightness Level
	Saturation	0~255 of Saturation Level
	Hue	0~255 of Hue Level
	B/W Extension	OFF, ON
	Color Tone	OFF, Skin, Green
	Edge Enhance	Typ, Mid, Max, OFF
	Sharpness	0~127 of Sharpness Level
3. System	F/W Version	
	Factory Reset	
4. Exit		

LIMITED WARRANTY

The SELLER warrants the **AV-GM09C3-S1K 12G/6G/3G/HD/SD-SDI 7" LCD Monitor** to be free from defects in the material and workmanship for 3 years from the date of purchase from the SELLER or an authorized dealer. Should this product fail to be in good working order within 3 years 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 AV-GM09C3-S1K features and specifications is subject to change without further notice.**

Support

For more info or tech support
<http://www.siig.com/support>