

CV-900S

VGA to CVBS Scaler Converter

User Manual



Full HD
1080

WUXGA
x1920
x1200

 x.v.Color



rev: 150605
Made in Taiwan



Safety and Notice

The **CV-900S VGA to CVBS Scaler Converter** has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipments, the **CV-900S** 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 **CV-900S VGA to CVBS Scaler Converter** offers an easy and instant approach for converting analog PC video (VGA) to analog video (CVBS) in real time. With this module, CVBS based receivers such as TV can be readily connected to VGA based devices such as PC.

FEATURES

- Maximum pixel rate : 165MHz
- Supports noise reduction and video enhancement features
- USB firmware upgradable for expanding compatibility
- Wall-mount housing design for easy installation

PACKAGE CONTENTS

- 1x CV-900S
- 1x 5V/2A power supply unit
- 1x User Manual

SPECIFICATIONS

Model Name	CV-900S	
Technical		
Role of usage	VGA to CVBS Converter	
Frequency bandwidth	165MHz	
Audio support	N/A	
ESD protection	Human body model — ±15kV [air-gap discharge] & ±8kV [contact discharge]	
PCB stack-up	4-layer board [impedance control — differential 100Ω; single 50Ω]	
Firmware update	Feasible via USB Port	
CEC Channel	N/A	
Input	1x VGA	
Output	1x BNC(CVBS)	
VGA connector	HD-15 [15-pin D-sub female]	
BNC connector	75Ω inter-locked socket	
USB connector	Mini B	
Mechanical		
Housing	Metal enclosure	
Dimensions [L x D x H]	Model	124 x 82 x 28mm [4.8" x 3.2" x 1.1"]
	Package	198 x 152 x 74mm [7.8" x 6" x 2.9"]
	Carton	420 x 400 x 300mm [16.5" x 15.7" x 11.8"]
Weight	Model	282g [9.9oz]
	Package	537g [18.9oz]
Fixedness	Wall-mounting case with screws	
Power supply	5V 2A DC	
Power consumption	1.325 W	
Operation temperature	0~40°C [32~104°F]	
Storage temperature	-20~60°C [-4~140°F]	
Relative humidity	20~90% RH [no condensation]	

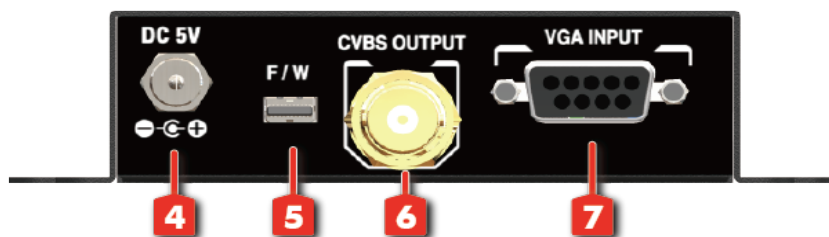
PANEL DESCRIPTION

Front Panel



- 1. DIP SWITCH:** For firmware update
ON [↑]: firmware update mode
OFF [↓]: normal mode
- 2. LED INDICATOR:**
[green]: signal indicator LED
[red]: power indicator LED.
- 3. PUSH BUTTON**
[LEFT]: Output Resolution 480i
[MID]: Output Resolution 576i
[RIGHT]: Input signal information

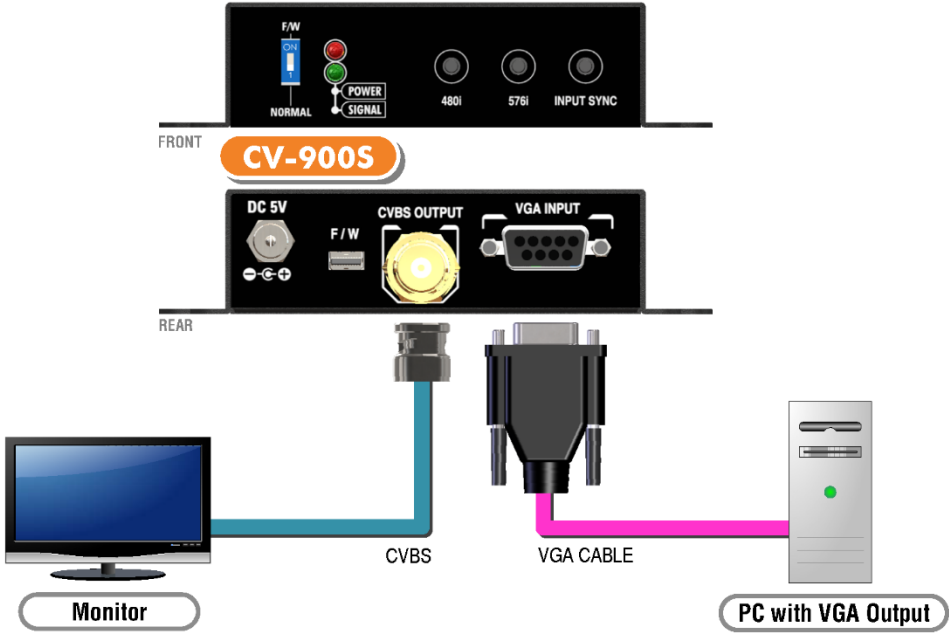
Rear Panel



- 4. +5V DC:** Interlocking power jack for 5V DC power supply unit
- 5. Mini USB:** F/W update
- 6. CVBS OUT:** connect to CVBS receiver
- 7. VGA IN:** connect to a VGA source

CONNECTION DIAGRAM

→ COAXIAL → VGA



LIMITED WARRANTY

The SELLER warrants the **CV-900S VGA to CVBS Scaler 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 CV-900S features and specifications is subject to change without further notice.**

