

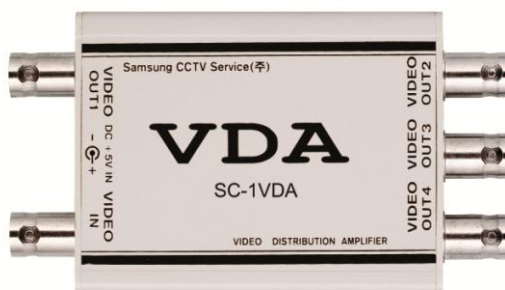


VIDEO DISTRIBUTION AMPLIFIER

SC-1VDA
SC-10VDA

User's Manual

SC-1VDA



SC-10VDA



Precaution and Safety Guidelines

Please read this manual carefully and fully understand the portions of the installation and operation instructions prior to installing and using the product.



Should you have any part of them not understandable or if you have any problem during your installation or in using it, please contact us.

Reproduction of this instruction or any part thereof without permission is strictly prohibited.

You must read the precautions required for safe operation prior to using it and operate it correctly.

Please understand that the contents of this operating instruction may differ slightly due to functional improvement of a product and based on the specification chosen by the user.

You can use this product easier and more conveniently if you use the function of the product only after reading this operating instruction carefully.

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		



The lightning flash with arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

※ **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

1. Introduction

1.1 Overview

The SC-1VDA / SC-10VDA are video distribution amplifier with one channel and 10 channels respectively. Using these devices, you can split the video signal or into two or more signals. They split stable and clear video signals as they has 6dB video chips for each video input.

1.2 Features

- 1 input / 4 outputs (SC-1VDA), 10 inputs / 30 outputs (SC-10VDA)
- No signal loss. It provides unity gain for video
- No artifacts or other signal degradation
- Built-in 6dB video chip
- Durable aluminum case body with optimum shielding (SC-1VDA)





1.3 Specifications

- Our HD-SDI transmission solutions are conformed with the SDI signals standards of the SMPTE(Society of Motion Picture and Television Engineers).
- The SDI (Serial Digital Interface) signals transmission system is the innovative transmission system with which it can transmit incompressible video signals over one single cable. As the SDI signals are digital signals, it is possible to transmit limitless distance without modification by equalizing and re-clocking at each certain distance. Also, since the signals are incompressible signals, there is no aging or delay of video signals caused by the compression.

MODEL		SC-1VDA	SC-10VDA
Video IN / OUT		CVBS 1.0Vp-p, 75Ω	CVBS 1.0Vp-p, 75Ω
Power		DC 12V 1.5A	DC 5V 1A
Connect Port	Video IN	1 IN	10 IN (1IN)
	Video OUT	4 OUT	30 OUT (3 OUT)
	Power IN	DC JACK	DC JACK
CONNECTOR		BNC-F	BNC-F
Temperature / Humidity		-20℃ ~ +70℃ / 0 ~ 80%	-10℃ ~ +50℃ / 0 ~ 80%
Consumption Power		0.15W	1.5W
Case Body / Weight		Aluminum / 380g	STEEL / 4.77Kg
Dimension (mm)		75(W) × 60(H) × 25(D)	430(W) × 44(H) × 350(D)

1.4 Components

Please find enclosed the following components in the package

Main Unit	User's Manual	Power Adapter	19" rack mount wing(2 pcs) for SC-10VDA
			

2. Installation and Precautions

2.1 Precautions on Use

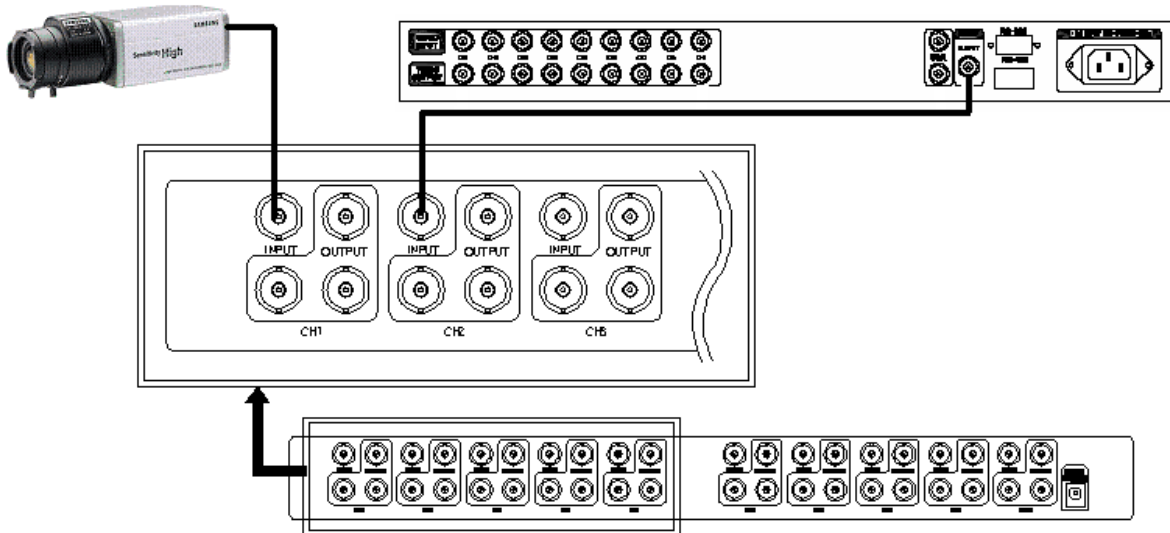
- The power switch must be turned off prior to installation of the device.
- Please install in a place well-ventilated avoiding extremely hot, humid or cold places.
- Please do not place magnetic kinds near the device.
- The optimum ambient temperature for the use of the device is 0℃ ~ 40℃, and it needs to be careful when the device is used for both inside and outside the building.
- Giving a strong vibration or impact to the device could cause a breakdown, therefore adequate precautions should be taken when installing or using the Device.
- Should be careful not to have the lines changed when connecting them.
- When you connect the operating power line to the Camera, you should confirm if the Camera uses AC or DC power, and for the case of DC power then you should be careful not to have the polarity changed to the wrong one (If you connect the AC Adapter to Transmitter, and connect the DC Adapter to the Receiver, then it would cause a breakdown).
- Please turn on the switch for power supply after confirming the insulation condition of the control cable connected from the outside.

2.2 Connections

Note: Every output must be terminated with 75Ω at the last connected video monitor.

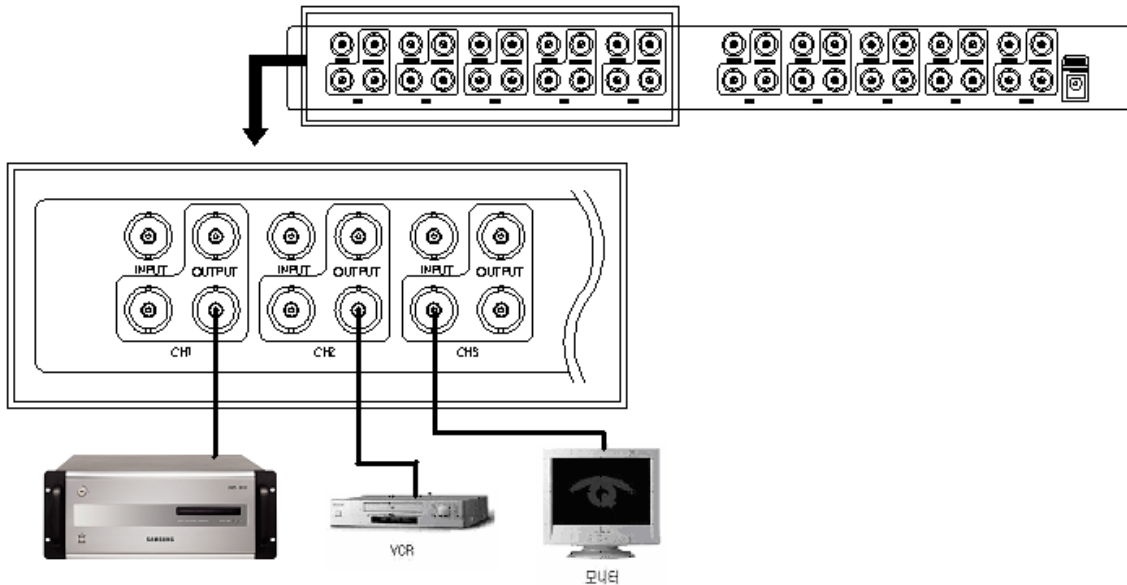
2-2-1 SC-10VDA – Video Signal Connection

Please connect the SC-10VDA with camera, DVR, quads, etc. as below picture.



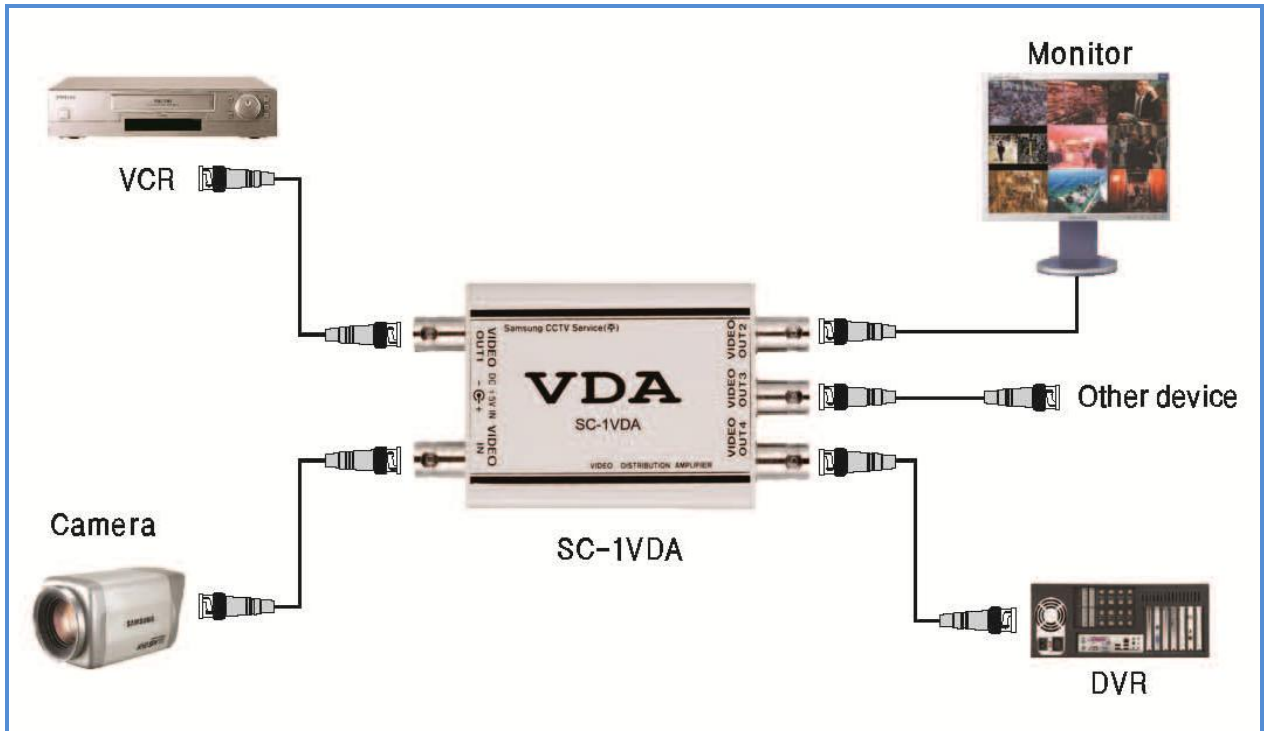
2-2-2 SC-10VDA - Appliance Connections

The SC-10VDA can be connected with DVR, Monitor, VCR, etc. through Output.



2-2-3 SC-1VDA

Please connect the SC-1VDA with camera, DVR, Monitor, etc. as below picture.




3. Warranty Certificate

This product has passed thorough quality control and test, and if this gets broken during normal use, we provide 12 months warranty service.

Model No.	
Serial No.	
Distributor	
Date you purchased	
Place you purchased	
Warranty Period	One (1) year from the date of purchase
Purchaser	Name
	Address

- Please check this warranty indication first.
- Please contact your distributor after checking out any defect in the products.
- The standard for repairing, replacement or reimbursement follows Customer.
- Warranty content any defect under normal use within the warranty service period we give you free repair service according to the warranty certificate.
- We charge you with the fee of parts and service despite of free warranty service period. Any breakage made without care such as:
 - Breakage or trouble made by natural disaster.
 - Breakage or trouble made by breaking the product guide or manual.
 - Breakage or trouble made by wrong power voltage or frequency.
 - When you want to reassemble for full system or replace parts within warranty service period.
 - When unauthorized person modified or made damage on the product trying to repair it.
- Please note that we don't support the breakage after warranty service period is expired. If the customer wants to get it repaired, we charge them with the fee.
- The specification is subject to change without prior notice for quality improvement.

 **SeeEyes Co.,Ltd** is the New Corporate Name of Samsung CCTV Service Co.,Ltd

SeeEyes[®]

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