

Active Vision Inc.

The Most Trusted Name in Video Surveillance

Video Distributor with High Gain Adjustable Amplifier Model Number: ACA-VD123

Product Description :

The ACA-VD123 is a 1 input, 3 output video distributor with an adjustable high gain amplifier. The built in high quality adjustable video amplifier boosts video quality and clarity for extreme long distance cable runs up to 9,842ft using RG59/RG6/RG11. This device allows you to split a single video input to up to 3 video outputs. Unlike standard video distributor/amplifiers the ACA-VD123 improves quality and clarity over extreme long distances and is a perfect solution for applications that demand high quality and performance.

Product Feature :

- ◆ Normal PAL/NTSC 6Mhz bandwidth compensation characteristics.
- ◆ Input signal dynamic range 2V.
- ◆ Low impedance input allows the ACA-VD123 to be located at either the source of the video or display side of the cable.
- ◆ **Available transmission distance**
 - RG59 Coaxial Cable, up to 3280ft.
 - RG6 Coaxial Cable, up to 6561ft
 - RG11 Coaxial Cable, up to 9842ft.



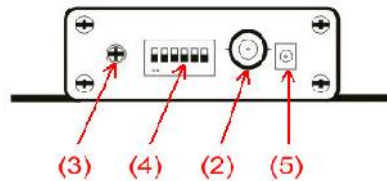
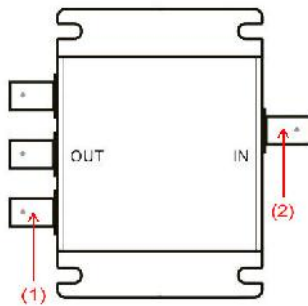
Switch #	Referenced distance DIP Switch Positions								
	RG59			RG6			RG11		
	984ft	1,640ft	2,624ft	1,640ft	3,280ft	6,561ft	3,280ft	6,561ft	9,842ft
1	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF
2	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	OFF
3	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
4	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	ON
5	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
6	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF

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Video	1 Video Input, 3 Video Outputs
Input Video	0.7 ~ 1.4Vp-p, 75 BNC
Output Video	0.7 ~ 1.4Vp-p, 75 BNC
Output level	1VP-P/75 Full Video Signal, BNC Terminal
Power supply	DC12V, 200mA Max
Power Consumption	2W
Input and output resistance	75 Ω , BNC
Anti-transient ability	6,000V 1.2 μ S x 50 μ S
Gain Control	0 \pm 0.5 dB
Operation Temperature	-25 $^{\circ}$ C ~ +70 $^{\circ}$ C
Humidity	0 ~ 95% (Non-condense)
S/ N	60dB
Weighted S/ N	73dB
Net Weight	5.29 Oz

Product Terminals and Dimensions:



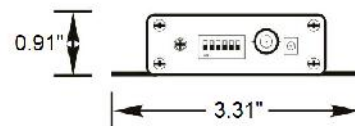
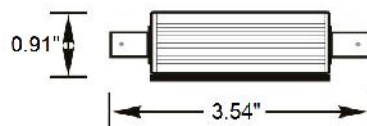
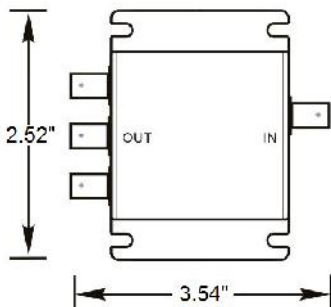
(1)---Video Outputs

(2)---Video Input

(3)--- Brightness / Sharpness Adjustment Knob

(4)--- Amplification Gain DIP Switches

(5)---Power Input (DC12V 200mA)



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Product Connection Diagram:



Product Installation Instructions:

1. Connect the BNC video input of the ACA-VD123 to the output of your PAL/NTSC video source.
2. Connect the BNC video outputs of the ACA-VD123 to a composite video input of any PAL/NTSC monitoring or recording device.
3. Connect the 12VDC power supply to the ACA-VD123 power port.
4. Adjust the amplification gain DIP switches depending upon cable distance. Flip each switch starting with 1 (shortest distance) and moving to 6 (longest distance) until you have a crisp, clear image.
5. Use the brightness / sharpness adjustment knob to obtain a clear image.