



**speco technologies<sup>®</sup>**

HD-TVI/ AHD/ HD-CVI/ CVBS Amplifier Series

# User Manual

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Model : TVICOAXVP

Active HD-TVI Video with Power Balun over Coax



## Introduction

TVICAT5VP is a video amplifier designed to use an RG59 coaxial cable to send a video signal and power source with a transmission distance up to 1000M. It also allows you to use one power adapter for multiple amplifiers — a jumper is needed to extend power.

## Features

- Supports HD-TVI, AHD, HD-CVI video formats.
- HD-TVI Signal extension up to 984' (300M)
- Supports DC 24V to 40V power input
- Frequency and brightness adjustable.

## Installation View

★ To avoid any damage, before powering on please make sure your coax cable is connected with the included transmitter and receiver.



HD-TVI 300 M (MAX.)  
AHD/HDCV/CVBS 400 M (MAX.)

## Transmission Distance Chart based on Power Input Voltage/Current

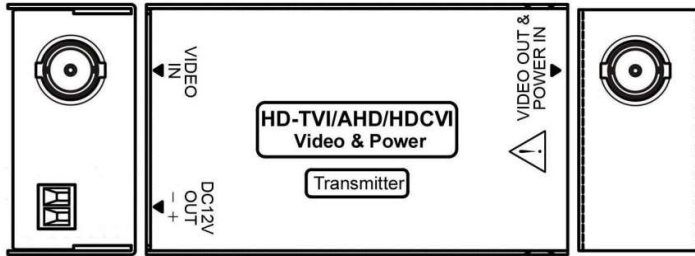
The output current will be slightly different based on different cable. It's important to ensure you have enough mA to power your camera at the end of the run.

Cable Type	TVICOAXVP Receiver Power Input	Distance	TVICOAXVP Transmitter DC12V Output for Camera	
RG59	DC24V 1.25Amp	164' (50M)	DC12V	370mA
		328' (100M)		350mA
		492' (150M)		320mA
		656' (200M)		300mA
		984' (300M)		190mA
		1312' (400M)		140mA
Cable Type	TVICAT5VP Receiver Power Input	Distance	TVICAT5VP Transmitter DC12V Output for Camera	
RG59	DC40V 1Amp	164' (50M)	DC12V	650mA

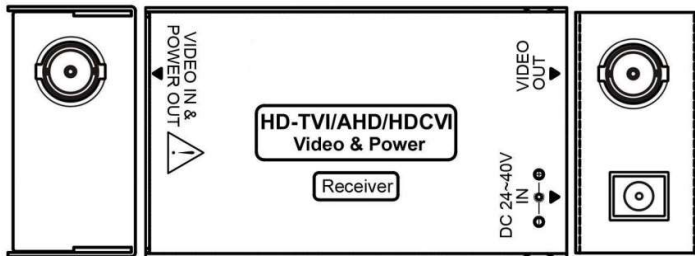
		328' (100M)		650mA
		492' (150M)		630mA
		656' (200M)		600mA
		984' (300M)		570mA
		1312' (400M)		470mA

## Panel View

TVICOAXVPT



TVICOAXVPR



## Cable

We strongly recommend using high quality RG59 or RG6U cable. Poor quality cable or improper construction will cause unstable connections, video or sound disruptions, and picture noise can appear.

## Note


1. Input/output power cord DC jack is 2.0mm.
2. Before sending power, please make sure the voltage polarity and input/output terminal are installed correctly.

## Package Includes

TVICAT5VPT x 1pcs  
 TVICAT5VPR x 1pcs  
 DC24V 1.25Amp power adapter x 1 or DC40V 1Amp  
 DC plug to bare wire power cord x 1  
 Mounting screw pack x 1

**Specification**

ITEM NO.	TVICOAXVPT	TVICOAXVPR
Support		
Video Format	HD-TVI, AHD, HD-CVI, CVBS	
Max. Transmission Distance	1312' (400M)	
Ports & Interfaces		
Video Input	1 x BNC (1 Vp-p, 75 Ω)	1 x BNC (1 Vp-p, 75 Ω)
Video Output	1 x BNC (1 Vp-p, 75 Ω)	1 x BNC (1 Vp-p, 75 Ω)
Power Interface	1 x DC Jack	1 x DC Jack
Power		
Power Input	n/a	DC 24V to 40V
Power Output	12V	n/a
Ambient Temperature		
Operation	32 to 158°F (0 to 70°C)	
Storage	-4 to 185°F (-20 to 85°C)	
Humidity	Up to 95%	
Physical Characteristics		
Dimensions	1.9 x 4.4 x 1" (49.2 x 112.5 x 25.2mm)	1.9 x 4.4 x 1" (49.2 x 112.5 x 25.2mm)
Weight	0.33 Lbs (150g)	0.33 Lbs (150g)

RoHS 

RoHS 

Speco Technologies is constantly developing and improving products.

We reserve the right to modify product design and specifications without notice and without incurring any obligation.

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