



## 60PB24 Series

## Power Supply Board 24VAC to 12VDC

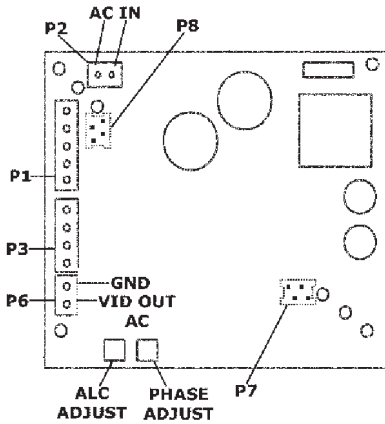


### Series Features:

- Powers Color and Monochrome Board Cameras
- Optional DC Auto Iris Circuit
- Gives Low Cost Monochrome Cameras the Line-Lock Function of Higher Cost Board Cameras

The Campower AC power board is a galvanically isolated 24VAC to 12VDC power supply designed for powering color and monochrome board cameras from Videology as well as most cameras from other manufacturers.

Additionally, the 60PB24V Series board offers the option of a DC auto iris circuit, the generation of a line-lock pulse from the AC zero crossing with phase adjust for line-lock capable board cameras, and a special AC oscillator line-lock circuit for the 20VC3617 series that allows the low cost monochrome camera to have the line-lock functionality of higher cost board cameras.

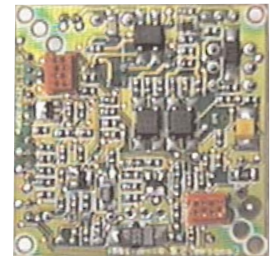


### Front side

- Connector P1 Pin 1: Output 12V  
Pin 2: Ground  
Pin 3: Input Video  
Pin 4: Output Line-lock  
Pin 5: Input Iris signal
- Connector P2 Pin 1: AC input (or DC -)  
Pin 2: AC input (or DC +)
- Connector Iris P3 Pin 1: Control -  
Pin 2: Control +  
Pin 3: Drive +  
Pin 4: Drive -
- Connector P6 Pin 1: Video out (AC coupled)  
Pin 2: Ground

### Back side

- Connector for 20VC36 P7 Pin 1: Output 12V  
Pin 2: Video in from VC36  
Pin 3: Ground  
Pin 4: Not used
- Connector for 20VC36 P8 Pin 1: Ground  
Pin 2: 5V to VC36  
Pin 3: Internal VC36 connected  
Pin 4: Ground



## Technical Specifications

Common Electrical Specifications:		
Isolation between primary and secondary circuit		
Input	AC	12 to 28V - 50 / 60 Hz
Input	DC	10.8 to 39V
Output	+12VDC	12V +/- 0.25 ~ 250 mA max
Output	+5VDC	5V +/- 5% ~ 85 mA max Note: Total current may not exceed 250 mA
Efficiency	Load 3W	61%
Efficiency	Load 2W	70%
EMC Test		EN55022 Conducted & Radiated Interface Test
Dimensions	(WxHxD)mm	42mm x 42mm x 20mm

### Specific Features

Model	Description
60PB24V	24VAC - 12VDC Basic converter board
60PB24VL	Line lock circuit
60PB24VD	DC Iris circuit
60PB24VDL	Line lock DC Iris circuit
60PB24VDLC	Crystal for use with 20VC36 sensor

All data subject to change without notice.

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