

Multi-channel Power Supplies

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- ▶ Multi-channel 24 or 28 VAC power output supplies
- ▶ Available in 4, 8 and 16 channel versions
- ▶ Wall-mountable steel enclosure
- ▶ Surge protection
- ▶ Power Off/On Switch

The Multi-channel Power Supplies are designed to support multiple 24/28 VAC, 50/60 Hz camera installations. These models operate from a 120 VAC, 50/60 Hz or from a 230 VAC, 50 Hz power source. Housed in a steel cabinet, with knockouts included for ease of installation and cable management, all power supplies include channel overload protection and unit surge protection.

Each output can be selected as 24 or 28 VAC. The 28 VAC option is ideal for applications with cameras at the end of long cable runs where significant voltage drops can occur. The ability to select the voltage of each output individually provides a greatly enhanced flexibility to meet the requirements of any installation. These power supplies are ideal for both fixed camera use and for PTZ camera applications.

System overview

The **ALTV244UL** is a four-channel power supply for indoor camera applications. This power supply provides a total of 3.5 Amps (3.0 Amps at 28 VAC output), with each channel limited to a maximum output of 3.5 Amps. This model requires a 115 VAC, 50/60 Hz power source.

The **ALTV244220** is a four-channel power supply for indoor camera applications. This power supply provides a total of 3.5 Amps (3.0 Amps at 28 VAC output), with each channel limited to a maximum output of 3.5 Amps. This model requires a 230 VAC, 50 Hz power source.

The **ALTV248UL3** is an eight-channel power supply for indoor camera applications. This power supply provides a total of 3.5 Amps (3.0 Amps at 28 VAC output), with each channel limited to a maximum output of 3.5 Amps. This model requires a 115 VAC, 50/60 Hz power source.

The **ALTV2416ULX3** is a sixteen-channel power supply for indoor camera applications. This power supply provides a total of 7 Amps (6.0 Amps at 28 VAC output), with each channel limited to a maximum output of 3.5 Amps. This model requires a 115 VAC, 50/60 Hz power source.

The **WPTV244300UL** is a four-channel power supply for outdoor camera applications. The power supply includes three (3) Class 2 Rated PTC protected outputs, with each PTC output limited to a maximum output of 2.5 Amps. The three (3) PTC-protected outputs provide a total of 12.5 Amps (10.0 Amps at

28 VAC output). The power supply also includes one (1) fuse-protected output limited to 15 Amps. This model requires a 115 VAC, 50/60 Hz power source.

Certifications and approvals

Electromagnetic Compatibility (EMC)	Complies with FCC Part 15 and ICES-003 regulations
Product Safety	Complies with UL (UL 2044), CSA Standards (CSA Standard C22.2 No. 1-98), and CE
RoHS Compliance	All models
Environmental	WPTV244300UL: NEMA 4X, IP65 rated

Technical specifications

Models

ALT244UL	Four (4) camera outputs, indoor
ALT244220	Four (4) camera outputs, indoor
ALT248UL3	Eight (8) camera outputs, indoor
ALT2416ULX3	Sixteen (16) camera outputs, indoor
WPTV244300UL	Three (3) PTC-protected outputs plus one (1) fuse-protected output, outdoor

Recommended Use¹

<ul style="list-style-type: none"> VG4 AutoDomes Modular Camera Series 	100, 200, 300, and 500i Series analog and IP applications
<ul style="list-style-type: none"> AutoDome Easy IP Cameras 	All analog and IP applications
<ul style="list-style-type: none"> AutoDome Easy II Cameras 	All applications
<ul style="list-style-type: none"> Dinion Series 	All analog and IP applications
<ul style="list-style-type: none"> FlexiDome Series 	All analog and IP applications
<ul style="list-style-type: none"> Unity Series Prepackaged Cameras 	All analog and IP applications
<ul style="list-style-type: none"> Extreme Environment Cameas 	All analog and IP applications
<ul style="list-style-type: none"> Extreme Environment Infrared Cameras 	All analog, IP and Bullet camera applications
<ul style="list-style-type: none"> High-Speed Positioning System 	All applications

1. The current requirements of all cameras connected to a power supply must be within the maximum current capacity of the power supply.

Electrical

Voltage Input

ALT244UL, ALT248UL3, ALT2416ULX3	115 VAC ± 10%, 50/60 Hz, 0.9 A
WPTV244300UL	115 VAC ± 10%, 50/60 Hz, 2.7 A
ALT244220	230 VAC ± 10%, 50 Hz, 1.8 A

Voltage Output

ALT244UL, ALT244220, ALT248UL3, ALT2416ULX3, WPTV244300UL	24/28 VAC, unregulated
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Total Output Current

	At 24 VAC	At 28 VAC	Max. Per Channel
ALT244UL, ALT244220, ALT248UL3	3.5 A	3.0 A	3.5 A
ALT2416ULX3	7.0 A	6.0 A	3.5 A
WPTV244300UL			
• PTC-protected	2.5 A	2.5 A	2.5 A
• Fuse-protected	12.5 A	10 A	15 A

Max. Current Output per Channel	3.5 A	
Fuse Ratings	3.5 A	
Main Fuse Ratings	5.0 A	
Maximum Power Draw	At 24 VAC	At 28 VAC
ALT244UL, ALT244220, ALT248UL3	84 W	72 W
ALT2416ULX3	168 W	144 W
WPTV244300UL		
• PTC-protected	60 W	70 W
• Fuse-protected	300 W	280 W
Controls and Indicators	AC Power LED and On/Off switch, inside cabinet	
Connections		
Main Input	Flying leads	
Low-voltage Outputs	Screw terminals	

Mechanical

Construction/Finish	Beige metal case
Cable Entry	Knockouts for conduits

Dimensions (H x W x D)

ALTV244UL, ALTV244220, ALTV248UL3	215.9 x 190.5 x 88.9 mm (8.5 x 7.5 x 3.5 in.)
ALTV2416ULX3	330.2 x 342.9 x 88.9 mm (13.0 x 13.5 x 3.5 in.)
WPTV244300UL	305 x 197 x 114.3 mm (12.0 x 7.75 x 4.5 in.)

Shipping Weight

ALTV244UL, ALTV244220	3.18 kg (7.0 lbs)
ALTV248UL3	3.3 kg (7.3 lbs)
ALTV2416ULX3	6.3 kg (13.9 lbs)
WPTV244300UL	7.94 kg (17.5 lbs)

Product Weight

ALTV244UL, ALTV244220	2.9 kg (6.4 lbs)
ALTV248UL3	3.1 kg (6.8 lbs)
ALTV2416ULX3	5.9 kg (12.9 lbs)
WPTV244300UL	7.60 kg (16.75 lbs)

Environmental

Operating Temperature	
• All Indoor Models	0°C to +50°C (32 to +122°F)
• WPTV244300UL	-20°C to +50°C (-4°F to +122°F)
Storage Temperature, all models	-40 to +65°C (-40 to +149°F)
Humidity	30% to 85% relative

Ordering information**ALTV244UL 120 VAC Power Supply**

Four-channel, 120 VAC, 60 Hz, 84 VA out, wall mount, indoor

Order number **ALTV244UL**

ALTV244220 230 VAC Power Supply

Four-channel, 230 VAC, 50 Hz, 84 VA out, wall mount, indoor

Order number **ALTV244220**

ALTV248UL3 8-channel Indoor Power Supply, 120 VAC

Eight-channel, 120 VAC input, 24/28 VAC output, 3.5 A total output, indoor

Order number **ALTV248UL3**

ALTV2416ULX3 16-channel Indoor Power Supply, 120 VAC

Sixteen-channel, 120 VAC input, 24/28 VAC output, 7 A total output, indoor

Order number **ALTV2416ULX3**

WPTV244300UL 4-channel Outdoor Power Supply, 120 VAC

Four-channel, 120 VAC input, 24/28 VAC output, 12.5 A total output, outdoor

Order number **WPTV244300UL**

WPTV244300220 4-channel Outdoor Power Supply, 220 VAC

Four-channel, 220 VAC input, 24/28 VAC output, 12.5 A total output, outdoor

Order number **WPTV244300220**

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