



## DESCRIPTION

The RA300 series is a 24/28 VAC, 12/10 amp rackmount power system with multiple power distribution outputs and the capability to remote power reset up to two 8 output banks with the optional network connection. Ideal for CCTV applications in retail, health care, gaming, entertainment, transportation, government and educational facilities.

The RA300 series delivers maximum flexibility for large multi-camera projects by providing increased current capability and allowing the user to individually select either 24 or 28V AC across eight, sixteen, or twenty-four outputs. Each output is fused at 3A and individually protected against electrical surges or transients caused by lightning or power line disturbances (SurgeShield™).

Designed to fit neatly into standard video equipment racks, the streamlined cabinetry and exceptional features combine to significantly reduce installation and service costs.

Features include removable terminal strips for field wiring, input and output surge suppression, automotive blade fuses for improved reliability, a front removable chassis face plate for serviceability and enclosed in a 16 gauge galvanized steel 2U rack mount chassis.

## SPECIFICATIONS

Parameter	RA300	Unit
Input Voltage	120	VAC
Input Power (nominal)	300	VA
Output Voltage	24 or 28	VAC
Output Current	12.5 or 10.7	Amps
Continuous Power Outputs	8, 16, 24	5A/Output
Operating Temperature	0 – 49°	C
BTU Rating	108	BTU/Hr
2U Mechanical Dimensions	19.00"W x 3.5"H x 14"D	
Weight	22 lb.	

## ORDERING

Model No.	Description
RA300-8	24/28 VAC, 12.5A/10.7A, 8 outputs
RA300-16	24/28 VAC, 12.5A/10.7A, 16 outputs
RA300-24	24/28 VAC, 12.5A/10.7A, 24 outputs

For DataLink network option add "N" suffix to part number

RA300-8N

RA300-16N

RA300-24N

## APPLICATIONS

- ♦ IP Cameras, Monochrome / Color cameras
- ♦ PTZ's, Fiber Optic senders / receivers
- ♦ Analog Cameras

## OVERVIEW

- Agency Listed CCTV / Access
- **FlexPower** Feature Set
  - ♦ **SurgeShield** Individual output surge protection
  - ♦ **VSelect** Installer selectable 24 or 28 VAC output voltage
  - ♦ **Reliability+** Full fault protection / fiberglass PCBs
  - ♦ **GreenSmart** RoHS compliant, lead free manufacturing
  - ♦ **DataLink** Network communication interface option
- **System Features**
  - ♦ Individually protected power outputs
  - ♦ Enhanced input and output surge suppression
  - ♦ 24 or 28 VAC selectable per output by positional jumper
  - ♦ Illuminated master power switch with circuit breaker
  - ♦ Externally visible LED output indicators
  - ♦ Removable jumper for individual output disconnect
  - ♦ Maintains camera synchronization
  - ♦ Standard, 2U EIA 19" rack mount chassis
  - ♦ Front removable chassis face plate for serviceability
  - ♦ Removable terminal strips for field wiring
  - ♦ Automotive blade fuses for improved reliability
  - ♦ Removable 3 wire grounded AC line cord
- **Power Management & Reporting** (U.S. Patent 8,566,651)
  - ♦ Enables network connectivity via LAN / WAN
  - ♦ Remote 8 port shutdown (two max)
  - ♦ Remote monitor cabinet temperature / system voltage
  - ♦ Email notification of system service / tamper switch activation
- **Visual Indicators**
  - ♦ AC input presence: Lighted AC switch
  - ♦ AC output presence: Green LED per output
- **Lifetime Warranty**

## AGENCY LISTINGS

- ♦ UL 2044, 2nd edition, current revision
- ♦ UL 294
- ♦ CSA C22.2 No. 1-98

**FLEXPOWER® STANDARD FEATURES**

**SurgeShield** Provides additional protection for each individual power output, leading to less down time due to electrical surges or transients caused by lightning or power line disturbances on the external wiring.

**PowerCom/PowerCom-USB** LifeSafety Power's proprietary software interface for communication with FlexPower equipment through a DATALINK or USB connection. PowerCom is used for power supply monitoring, programming, and reporting.

The NL1 DATALINK network module enhances PowerCom's capability with remote diagnostics, battery management, trouble / service email alerts via LAN/WAN, and remote on/off reset control.

The DL1 USB cable and a computer laptop USB connection, enables PowerCom-USB to be used by service personnel for onsite power supply programming and system diagnostic evaluation.

**VSelect** One single switch for configuring the output between 24 and 28VAC eliminates field errors and allows for the reduction and simplification of service inventory by eliminating the necessity of stocking units in each voltage.

**Reliability+** All power supplies within the FlexPower system are fully fault protected and feature fiberglass printed circuit boards rather than paper-based to protect the electronics from water and other corrosive elements found in industrial settings. High efficiency power supply design promotes low heat generation leading to a longer service life.

**GreenSmart** All members of the FlexPower family are RoHs compliant, lead-free, and meet the latest state, federal and European requirements for energy efficiency.

**DataLink - Smart Power Management Communication Interface**

Monitor, program, control, and report key power supply functions by computer or local/wide area network using a browser interface or LifeSafety Power's PowerCom® remote management software.

Power supply network connection requires the optional NL1 network module.

**POWER DISTRIBUTION**

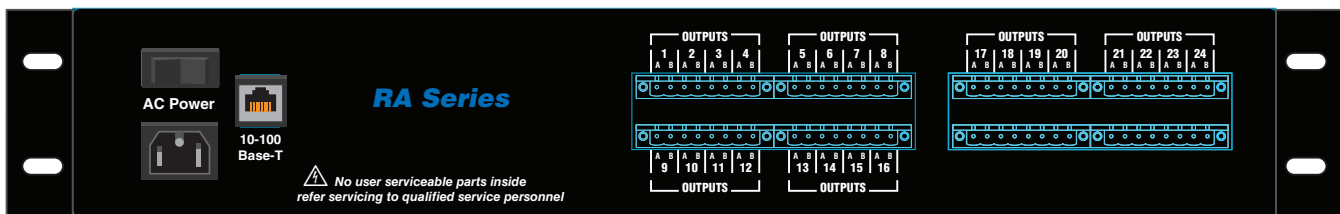
- Eight, sixteen, or twenty-four power distribution outputs, individually selectable for either 24 or 28V AC output.
- 3A fused per output
  - ◆ Fusing may be increased if desired by installer for greater power capability - see manual for further information
- Visual Indicators
  - ◆ DC Presence: Green LED per output
  - ◆ Fault Condition: Yellow LED per 8 output bank
- Removable terminals: accepts #12 to #24 AWG

**NETWORK OPTION\***

**Network Interface for Remote Control and Reporting**

- Enables network connectivity via LAN / WAN
- Remote power cycle 8 bank output (two max)
- PowerCom software provides 24/7 power status monitoring of
  - ◆ System voltage
  - ◆ Cabinet temperature
- Network & email alerts for
  - ◆ Time-to-service reminders
  - ◆ Tamper switch activation

**\*For Network option add "N" suffix to part number  
Note that network option is not field installable**



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