



## Viper PC10-90

### // Description

CDM Wireless, a leader in wireless CCTV & solar power solutions, proudly introduces the Viper PC10-90 Power Converter.

*PC10 works just like solar, but no solar panel.*

Viper PC10 remote power converters are the ultimate non-solar power solution for surveillance cameras and accessories. PC10 power converters install on light poles and charge when the lights are on, providing 24/7 battery uptime during day and night.

PC10's are used in applications where existing light poles are desired for mounting CCTV cameras, such as parking lots, bridges, streets and highways. With no solar panel required, wind load, installation and maintenance are significantly reduced.

When combined with CDM Viper radios, PC10 is a turnkey kit solution providing power and communication for each video camera, sensor, switch or illuminator on the light pole.

Installation is fast and easy with an industrial grade aluminum/stainless steel enclosure, 2 electrical knockouts for power and data, multiple 48Vdc PoE+ power/data ports, industrial electrostatic (ESD) lightning arrestor and lockable latches to secure the enclosure.

PC10 can be ordered in various sizes to meet your power requirements and are compatible with all Viper radio products.

### // Designed for Security Integrators

The Viper PC10 is uniquely designed to satisfy the needs of security integrators. They are specifically designed to meet the challenges of deploying power & communication networks in uncontrolled environments by offering no routine maintenance, simplicity, and maximum flexibility in configuration and future upgrades.

**All Viper wireless products include software, licenses, accessories and unlimited bandwidth at no additional charge.**

**Assisting customers is our specialty! Each Viper system is pre-programmed to each customer's specific network requirement.**

**At CDM, we deliver complete Plug and Play systems.**



### // Key Features

- Converts AC to DC
- Input: 240, 277, 408, 480, etc... Vac
- 90 Watts power capacity
- Multiple PoE+ 802.11at power output ports
- 48 Vdc PoE hardened switch
- Power/Data industrial ESD lightning arrestor
- Industrial-grade aluminum/stainless steel
- Two electrical "knockouts" for power & data
- Front door hinged for easy access
- Lockable door latches to secure enclosure
- Screen protection on louvers and vents
- Pre-setup for pole or wall mount
- NEMA IP-66, UL listed for US & Canada
- Tested and delivered with a site map drawing showing installation locations of each unit
- Made in USA

<sup>1</sup> Viper radio and 4k camera powered via PC10

## // Electrical

Input voltage:	120, 240, 277, 408, 480, etc... Vac
Input frequency:	50—60 Hz, single phase
Input power:	62 VA average
Output voltage:	24, 48 Vdc
Output current:	3.75 Amps
Output power:	90 Watts
Battery:	(2) 12Vdc / 75 Amp AGM
Fuse, input:	5 Amp Class CC
Temperature:	-40C to +60C

## // Mechanical Specifications

Size:	18" H x 18" W x 18" D
Weight:	185 Lbs (with battery)
Construction:	0.125 Aluminum, vented
Hardware:	Stainless steel
Latching mechanism:	Lockable with padlock
Mounting:	Setup for pole or wall mounting
Certifications:	NEMA IP-66, UL listed for US and Canada

## // Options

Option-1:	2-port passive PoE injector w/ESD protection
Option-2:	4-port hardened PoE switch w/ESD protection

## // ENVIRONMENTAL & ENCLOSURE SPECIFICATIONS

Material:	Aluminum & Stainless steel
Finish:	Brushed aluminum or powder coat
Rating:	IP67, IP66
Temperature:	-40C to +70C
Humidity:	0-95% (wind driven rain)
Dimensions:	18" x 18" x 18"
Weight:	185 Lbs
Connectors:	2 Weatherized feed thru for cables or conduit
LEDs:	Internal power/ethernet status
Mounting:	Mast, pole or wall
Grounding:	Earth Ground
Vibration:	IEC 60721-3-4 4M5 Random
Mechanical:	IEC 60721-3-4 4M5
Solar Radiation:	ASTM G53 1000 hours
Ice Load:	25mm radial
Salt Fog:	IEC 68-2-11 Ka 500 hours

Regulations: FCC Part 15, Class B

## The Viper PC10 Product Line

**CDM Wireless, your trusted provider of wireless network and solar power solutions, proudly introduces our Viper PC10 power converter.**

The Viper PC10 product series are uniquely designed to satisfy the needs of security integrators. They are specifically designed to meet the challenges of designing and deploying power/comms networks in uncontrolled environments by offering no routine maintenance, simplicity and maximum flexibility in configuration and future upgrades.

Power profile, temperature and duty cycle are a few of the most important elements of a high performance power/comms network.

The Viper PC10 series includes a complete line of power converters with a wide selection of configurations for input voltages, output voltages, power consumption and device inputs and selections of network radios.

With the Viper PC10, integrators can choose from a wide selection of input voltages, output voltages and power capacity along with any Viper radio to connect multiple video cameras point-to-point or point-to-multipoint to repeater or head-end network video recorder.

Installation is fast and easy. With multiple 48Vdc PoE+ power/data ports, cameras and radio connect directly to the PC10 with 1 Cat-5/6 cable for power/data. No separate power supplies needed.

All Viper wireless products include software, licenses, accessories and unlimited bandwidth at no additional charge.

**CDM far surpasses the industry competition on performance, quality, factory programming and assisting customers with design, installation and performance testing and optimization.**

**At CDM, our customers are our #1 priority !**