# CONNECTIVITY-PMCC-1



## REMOTE SITE
**SOLAR-POWERED, WIRELESS POWER MANAGEMENT COMMUNICATIONS CENTER**

**WITH DOME CAMERA**
**VIDEO PROCESSING UNIT &**
**WIRELESS BROADBAND BACKHAUL**

This compact, powder-coated aluminum system allows for placement on **Roof Tops** or in **Remote Field Locations** where power and phone lines are not available. The unit assembles in just hours and remains portable, since it doesn't require permanent mounting due to its concrete block weighting design. Because the system is independent of power and phone lines, special permits are not required; thus the unit is an affordable and simple solution for even the most complicated communications projects. Also, our patent pending power management board allows users to **power access points**, **routers** and **bridges for hot spot deployments**.

CONNECTIVITY, INC.

# Features

## Power Board
Four Outputs 5, 12, 24 VDC & 18 Vrms AC @ 60 Hz
Serial Port or CAT-5 IP Based Interface to View Battery Capacity
Total Solid State Circuitry
Microprocessor Controlled Circuit Board
Fuse Protected & Regulated Power Charging
Four LED Test Mode Indicators

## Enclosure
Power-Coated Aluminum Housing and Parts
Expandable Base Support (Threaded Rods)
Assembles in Hours (Installation Guide Provided)
Shipped Direct via Freight Carrier (150 lbs.)

## Camera
Pan Tilt 23X Optical Zoom with 96 Programmable Pre-Sets
Video Loss Alarming and Selective Viewing
High Resolution Day/Night, 30FPS and Auto Focus
Integrates with Customer Specific User Software

## Video Processing Unit
Analog-to-Digital Conversion w/Configurable Bandwidths
MPEG-4 Compression Reduces Video Storage
Optional Bi-directional Audio Interface
Alarm for Video Loss

## Wireless Broadband Backhaul
Point-to-Point Configuration up to 35 Miles at 14 Mbps
Point-to-Multipoint up to 2-10 Miles at 4 Mbps

## Solar Panels and Batteries
Two, 110 Watt, 24 Volt Solar Panels (10 Yr. Warranty)
Six, 12 volt, 73 Amp Hour, Mk Batteries (1 Yr. Warranty)

*All Components Can Be Sold Separately, Including Powder-Coated Roof Top and Remote Enclosure for Customized Applications

**Call (954) 587-1414 or (877) 776-9542 toll free, or visit us on the web at www.connectivityinc.com**

## Product Benefits

- Flexible design can be used for video surveillance, wireless network backhauls, WiFi hotspots, and other combinations of wireless applications.

- Ideal for emergency and temporary installations.

- Available for installation with leading wireless broadband network equipment.

- Portable, Cost Effective, and Scaleable by design.

- Self contained unit requires no rack mounting equipment.

- Powder-Coated Aluminum Housing, Wind Load calculations available upon request.

## Benefits When Configured for Video Surveillance

**Ensures Smooth Migration From Analog to Digital Technology:** convert existing analog-based CCTV to digital remote monitoring systems simply and cost-effectively without equipment obsolescence.

**No Cabling Costs:**  the unit can be installed in hours and does not require AC power. Yet, it has all the features that a hard-wired system provides, such as real-time video, management of PTZ functions, and binary I/O triggers.

**Removes Geographical Barriers:** enables coordinated remote monitoring and communication across multiple locations using standard network interfaces; including LANs, WANs, wireless networks and internet communication links.

**Selective Viewing:** allows one or more users to access video streams using same bandwidth as a single user.

**Ensures the Correct Video Quality for Each Application:** configurable bandwidths from 8Kbps to 3 Mbps provide the choice of constant video quality or capped bandwidth utilization.

## Optional Features

**Pixel Recognition and Movement Alarming Software:** user programmable software allows for cameras to automatically recognize movement in a field of view and activate alarms that initiate recordings at a higher frame rate, 30 seconds prior to the event happening.

**Encryption:**  Advanced Encryption Standard (AES) 128 bit encryption offers the highest level of security for advanced users such as financial institutions, government and healthcare agencies.

**Future Applications:**  the power management board was designed to accommodate stand-alone devices such as an access point, modem, bridge or switch for future deployments.  Please call Connectivity, Inc., to talk about your specific power requirements.