



# Motorola Wireless Camera POD

## Portable-On-Demand Wireless Video Kit



**Motorola's Wireless Camera POD is an instantly deployable, wireless video solution.**

Integrating Motorola's Mobility Enabled Access (MEA) technology or Wi-Fi® directly into Sony's IPELA® camera has created a solution that is robust, portable and more cost effective than conventional wireless video systems. Utilizing either licensed 4.9GHz or unlicensed 2.4GHz frequencies, the Wireless Camera POD (Portable-on-Demand) can be quickly deployed to create instant video surveillance at incident scenes or special events. With the 2.4GHz MEA or 4.9 GHz MEA or WiFi PODs, users can wirelessly access high quality video feeds while stationary or while traveling at highway speeds.



Motorola's mesh networking technology enables users to wirelessly access critical broadband applications seamlessly, and on the move. Whether integrating into an existing mesh network, or as part of an ad hoc, broadband network formed with other users, Motorola's mesh networking technology delivers real-time data to detect, prevent, and respond.

### **Fast Deployment for Incident Response and Event Video Surveillance**

The integrated POD design and scalability of the Motorola Wireless Camera provides an ideal solution for temporary deployments at events that require video surveillance. Since the mesh network self-forms when the cameras are powered up, video monitoring can be instantly deployed to improve situational awareness and incident response. MEA technology offers the ability to quickly scale up the video system by simply adding mesh enabled cameras, clients or other mesh devices to expand coverage.

### **Portable-on-Demand**

The Wireless Camera POD kit includes the Sony SNC-RZ50 wireless video camera, a vandal resistant dome, rugged tripod mount, antenna and two mesh cards at 4.9GHz MEA or 2.4GHz MEA. One mesh card is inserted into the camera and the other into a PC, laptop, or PDA with a PCMCIA Type 2 slot. Wireless Camera POD domes and cameras are powered by an included 12VDC deployable battery designed to function for over eight hours on a single charge. The entire kit is packaged in a rugged carrying case for portability on demand. The Wi-Fi POD contains one Wi-Fi compact flash inserted in the camera.

### **Self-Forming Wireless Video Network**

Motorola's intelligent MEA technology turns Wireless Camera POD nodes and clients into routers/ repeaters that form a seamless, wireless network automatically. This network can be deployed independently or as an extension to wider mesh networks using additional mesh devices. Video and other broadband data can "hop" through every device in the network – even to and from vehicles traveling at highway speeds. Due to this Multi-Hopping feature, the video network actually becomes more robust as additional cameras and other MEA devices are added.

### **Support for 4.9GHz MEA, 2.4GHz MEA and 2.4GHz 802.11 b/g Operation**

A mesh camera network can be configured to utilize either licensed 4.9GHz or unlicensed 2.4GHz frequencies. The Wireless Camera POD kit comes preloaded with drivers for both the 2.4GHz MEA and 4.9GHz MEA wireless modem cards, and will automatically join the network when turned on. The 802.11 b/g option is available also.

### **Quick Deployment of Event Video Surveillance**

The integrated design and instant scalability of the MEA camera wireless video system also provides an ideal solution for quick, temporary deployments at events that require video surveillance. Since the mesh network self-forms when the cameras are powered up, video monitoring can be instantly deployed to improve situational awareness and incident response. MEA technology offers the ability to quickly scale up the video network by simply adding mesh enabled cameras, clients or other mesh devices to expand coverage.

### **Dynamic Mobile Video**

Intelligent MEA technology routing supports high speed mobility. The 2.4GHz MEA and 4.9GHz MEA Wireless Cameras can send video signals to moving clients – even while the cameras are moving at vehicular speeds.

### **Fast & Accurate Position Location**

MEA technology also offers position location capabilities without relying on costly Global Positioning Systems (GPS). Mobile users and video cameras can be located and tracked in real-time. Depending on network configuration, location determination can be quicker and more accurate than consumer GPS, and is available in places GPS is limited, such as parking garages and urban canyons. Location data is provided in a standard GPS format, allowing applications that operate with GPS data to interact seamlessly with the mesh camera network.

## Motorola Can Give You The Edge

### Mesh Camera Video System Features

- Self-forming and self-healing, ad hoc networking
- Uses either 2.4GHz or 4.9GHz radio spectrum
- 802.11 b/g wireless connectivity
- Every camera in the video system acts as a router/repeater, and strengthens the network
- Cameras are instantly deployable
- The mesh POD client supports remote video streaming to and from vehicles – even at speeds in excess of 150 mph
- Built in location and tracking of cameras and clients – without relying on GPS
- Rugged camera tri-pod – stable, quick and easy to set up and take down
- QuickConnect camera mount attachment
- 8+ Hour deployable and rechargeable battery pack
- Vandal resistant camera dome
- Rugged, wheeled carrying case with e-z pack pad inserts

### IPELA RZ50 Camera Features

- Comprehensive pan and tilt allows +/- 170° continuous pan and +25 to 90° tilt range
- 26x Optical and 12x Digital zoom
- High frame rate of 30 fps
- Motion and unattended object detection
- Day / night function, providing clear images even in extremely low light
- Built-in image stabilization features
- PCMCIA CardBus and Memory Stick Pro data interfaces built-in
- Local recording ready (with Memory Stick Pro)
- Multi encoding to allow streaming in JPEG, MPEG-4 and H.264
- Advanced Privacy Zone Masking with Spherical Tracing
- Anti-tamper technology permanently encodes images recorded with unique camera ID
- Sensor In / Alarm Out ports (2 each)
- Camera dome supports 12 VDC

## Wireless Camera POD Benefits

### Public Safety & Security Benefits

- Rugged and portable construction
- Supports 4.9GHz radio spectrum licensed specifically for Public Safety use
- Mesh network architecture provides robust and reliable, broadband data communications
- Quickly deploy as permanent or temporary video surveillance platform – for schools, parks, airports, sporting events, etc.
- Ability to stream live video to and from vehicles in route to, or engaged at an incident site
- Integrates seamlessly into wide area, 2.4GHz or 4.9GHz MOTOMESH networks

### Benefits for Municipalities

- Supports unlicensed 2.4GHz radio spectrum for general public use
- Highly scalable solution allows deployment of networks of any size
- Integrates seamlessly into a 2.4GHz WiFi MOTOMESH Duo network
- Stream live video to and from vehicles – even while traveling at highway speeds
- Provide improved system management and enhanced rider experience for Public Transit
- Integrates seamlessly into wide area, 2.4GHz or 4.9GHz MOTOMESH networks

The Wireless Camera POD video system is part of Motorola's suite of fixed and mobile intelligent video solutions.

### Additional Wireless Camera Video System Features

- Differentiated Services Using IP Quality of Service (QoS) Support
- Over-the-Air Software Upgrade Support
- Web (HTTP) Based Management Interface
- Camera firmware upgrades available on: [www.sony.com/security](http://www.sony.com/security)
- Supports MOTOMESH Solo, Duo and Quattro networks



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