

# Innovative Industrial Solutions



I.I.S.

## Wireless Portable Video System



The I.I.S. W.P.V.S. transmits live video wirelessly over your existing wireless network or its own standalone network. Record live video on the PC connected to the network running the supplied application program. A five minute setup and no external power or wires required makes this a great option when you need to deploy a camera on the fly.

Innovative Industrial Solutions, Inc.

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[www.i-i-s.net](http://www.i-i-s.net)

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## Wireless Portable Video System



**PTZ model**



**IR model**

Self contained, battery-operated, wireless network camera in a single, rugged carry case. The built-in wheels and handle make the W.V.P.S. easy to transport.

The W.P.V.S. includes an internal rechargeable battery, a telescoping pole, two adjustable tilt/swivel brackets, and either a manual focus day/night or a remote controlled PTZ day/night camera.-both of which are infrared illuminated. Either camera attaches to the telescoping pole, which raises the camera up to 78" high and mounts securely to the case.

**The PTZ model:** 360° continuous pan, -45° to +90° tilt and field of view from 5.6° to 51° (10x optical zoom.)

**The IR model:** Day/Night camera with a varifocal lens and manual field of view adjusts from 16° to 36°

Both IR and PTZ models provide invisible IR illumination for covert surveillance in dark surroundings. At low ambient light levels, the camera automatically switches to BW mode with the IR illuminator on. At higher ambient light levels, the camera automatically switches to color mode with the IR illuminator off.

The W.P.V.S. transmits video on a wireless 802.11 network, either connecting to an existing structured network or creating its own standalone network. The video can be viewed and recorded by a PC connected to this network running by a PC connected to this network running the supplied application program. The W.P.V.S. can be programmed to generate motion alarm events based on changes in video image content.

The W.P.V.S. is suitable for a wide range of applications including surveillance, disaster

- Cost-effective solution
- No external power or wires required
- Easy to transport and deploy—sets up in 5 minutes!
- Rugged, weather proof design
- Viewable on a PC or Laptop
- Can support up to 6 Units per network
- Rechargeable battery—powers system for up 30 hours (illumination off)
- Field configurable
- Motion alarm capable
- Records video on PC
- Available with white light illumination
- Supports audio with addition of microphone
- Can be hard wired if desired
- Compatible with other portable video tools from Zistos

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System	
<b>System Components</b>	Quick connect telescoping pole (raising camera to 6.5ft); Adjustable camera tilt/swivel bracket; Adjustable pole tilt/swivel bracket; Battery Charger; Whip antenna; 6ft antenna cable; PC program; Case with integrated battery, electronics and wireless transmitter
<b>Case Size</b>	22" x 15" x 8" (56cm x 38cm x 20cm); Waterproof when closed
<b>Weight</b>	46 lbs (21kg)
<b>Temperature Range</b>	-20°C to +50°C
<b>No. of Units Per Network</b>	Up to 6; Performance depends upon wireless signal strength

Options	
<b>BAT-7: Spare Internal Battery</b>	A second battery allows one battery to be charging while the other is operating the W.P.V.S.
<b>White Light Illuminator</b>	Adds supplemental visible illumination to events or rescue/disaster scenes.
	Only compatible with the IR model, not the PTZ model.
	Reduces battery run time.
	

Cameras		
W.P.V.S. Model	Infrared	PTZ
<b>Type</b>	Day (color) / night (BW); Automatically switches to night mode at dusk or day mode at dawn	PTZ (Pan/Tilt/Zoom) day (color) / night (BW); Automatically switches to night mode at dusk or day mode at dawn
<b>Remote Pan</b>	None	360° continuous pan, adjustable speed
<b>Remote Tilt</b>	None	-45° to +90° (digital flip)
<b>Lens</b>	16°-36° FOV	5.6°-51° FOV (10X optical zoom)
<b>Resolution</b>	768 x 494 (NTSC); 752 x 582 (PAL)	
<b>Lux</b>	.004 color; .0001 BW	.7 color; .02 BW
<b>Illumination Type</b>	850nm (slight glow) 940nm (invisible) - available upon request	850nm (slight glow)
<b>Illumination Angle</b>	60°	30°
<b>Illumination Range</b>	150ft (45m)@840nm; 75ft (23m)@940nm	150ft (45m)

Wireless		Battery			
<b>Frequency</b>	2.4GHz, 802.11 b/g	<b>Type</b>	12V Lead-acid	<b>Charge Time</b>	6 hours
<b>Antenna</b>	12" omni-directional whip antenna; 6ft antenna cable supplied; Antenna can be mounted directly to the case or on the pole	<b>Power Input for Charging</b>	60W; 90-264VAC; (For the PAL version, order the power cord adapter separately at no charge, part number PCA-XX, where XX is the country code.)		
<b>Range</b>	1000ft+ (300M+) line-of-sight; Range is highly dependent upon environment	<b>Run Time</b>	15 hrs with illuminator on; 30 hours with illuminator off; (IR version); 8 hours with light on; 30 hours with light off (white light version)		

External Connectors	
<b>Camera Input</b>	12 position metal waterproof connector for coil cord to camera and illuminator
<b>Battery Output</b>	Marine/vehicle auxiliary power connector for operating the white light version of the WPVS. Sealed with hinged cap when not in use or in transport; Unregulated 12V battery voltage output
<b>A/V Connector</b>	6 position metal waterproof connector for video out & microphone in; Audio processor amplifies low sounds and limits loud sounds
<b>Antenna Connector</b>	N-type female; Capped when not in use
<b>Network</b>	Waterproof RJ45 for a hard wired CAT5 cable connection; Tethered cap when not in use; Usage requires operating an internal switch, which disables wireless operation

PC Monitoring Station	
<b>PC Requirements</b>	Not supplied; See requirements on previous page
<b>Application Program</b>	Supplied with each WPVS; Allows for system setup and configuration; Can view all cameras independently or simultaneously; Reports,alarm,conditions,received by the WPVS'.
<b>Alarm Conditions Reported</b>	(1) Programmable motion detector for each camera; (2) Optional Radiation sensor programmable threshold reached; (3) Low battery condition

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