



# FIRE/EMS Video Solutions



## ICV4000 360° FHD

The i-PRO Americas Inc. ICV4000 360° FHD in-car digital video recording system offers industry-leading image quality for unmatched, critical fire equipment video-evidence capture. The WV-VCF41P HD 1080p front camera delivers an amazing 150-degree wide-angle view. The ICV4000 system supports up to four additional HD cameras for complete 360-degree situational awareness in and around your vehicle. The WV-SBV131M is a rugged exterior camera with an adjustable lens that can be mounted at any angle.

- Full HD 1080p high-quality video evidence capture
- Unparalleled 360-degree recording and viewing
- Supports up to two 512GB solid state drives with 256 AES encryption
- Full integration with the BWC4000 Body-Worn Camera with field swappable battery
- Compatible WV-VCF41P Panoramic Front Camera with 150-degree field of view offers full color in extreme low-light conditions
- Compatible WV-SBV131M Exterior Rugged Camera offers full view for exterior side or rear vehicle mounting, enclosure can be painted to match your apparatus
- Compatible with Unified Digital Evidence (UDE) On-Premise and ClouDE Hosted DEMS

### KEY FEATURES

Panoramic 150° FOV for Full Windshield Coverage

4K Front Camera Image Sensor for Ultra HD Image Quality

Built-In GPS, Dual 802.11ac Wi-Fi Support and Bluetooth 4.2LE

Dual SSD Capability up to 1TB With 256 AES Encryption

Tested to MIL-STD-810H Standards

1080p / 720p / 360p Configurable Resolution

Compatible With Arbitrator VC41P, VC35 and SBV131M Cameras

Records up to 5 High-Resolution Cameras at the Same Time



## General

<b>Model Number</b>	WJ-VPU4000
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## Video Recorder Specifications

<b>Dimensions (W x H x D)</b>	7.0"(W) x 3.44"(H) x 6.1"(D)
<b>Weight</b>	4.0 lbs
<b>Durability</b>	Rugged Design to Withstand Extreme Heat and Vibration MIL-STD-810H, UL62368
<b>Operating Temperature</b>	-10°C to +50°C {14°F to +122°F}
<b>Operating Humidity</b>	10% to 80% (Non-Condensing)
<b>Video Storage</b>	256GB /512GB SSD i-PRO Only, 2 Bays Removable / Lockable, Up to 1TB
<b>Media Encryption</b>	256 AES
<b>Video File Format</b>	MP4
<b>Video Compression</b>	H.264
<b>Audio</b>	3 Input Channels RCA Connectors, Using AAC
<b>Power Input</b>	12VDC Operating Range 10.0-16.0VDC
<b>Power Consumption</b>	12VDC (Max w/5 Cameras) 56.4W
<b>Interface</b>	5-100Mbps Ethernet, 2-1Gbps Ethernet, 1-100Mbps BWC Dock Radar-RS232C, Analog Audio-In-Car Mic, 2x-Analog for Wireless Microphone
<b>Wireless</b>	802.11a/b/g/n/ac 2x Modules 2x Antennas each, 2.4GHz/5GHz
<b>Bluetooth</b>	Bluetooth 4.2 LE
<b>GPS</b>	Built-in, SMA Connector
<b>GPIO</b>	16 Inputs, 4 Outputs
<b>Impact Sensor</b>	Built-in WV-VC35 Front Camera, Configurable Sensitivity
<b>Mounting Bracket</b>	Bracket Included for Trunk / Console Mounting
<b>Antenna</b>	Accessory - 6 Lead Shark Fin, 4x-2.4/5GHz, 1x-BT, 1x-GPS
<b>Battery Backup Unit</b>	Included - 50W Capacity Automatic Switching / Configurable Shutdown
<b>Warranty</b>	Main Unit: 3 Years, Battery Backup Unit: 1 Year

## Accessories / Options

<b>WJ-VPU4000</b>	VPU4000 Recording Unit Only
<b>IPS-ICV4-ACC</b>	VPU4000 Accessory/Cable Kit - Includes: <ul style="list-style-type: none"> <li>■ 256SSD w/256 AES Encryption</li> <li>■ Power Distribution Box &amp; Cables</li> <li>■ Battery Backup Unit</li> <li>■ 3 Ethernet 25' Cables (Black, Yellow, Blue)</li> </ul>
<b>IPS-ICV4-256SSD</b>	256GB SSD w/256 AES Encryption
<b>IPS-ICV4-512SSD</b>	512GB SSD w/256 AES Encryption
<b>IPS-ICV4-ANT-BL</b>	Antenna Shark Fin 6-in-1 Antenna, Bolt-On, Black
<b>WV-VCF41P</b>	Panoramic Front Camera 150° View
<b>VCR40W</b>	Rear/Side View Camera with IR Illumination
<b>WV-SBV131M</b>	Exterior Adjustable Side/Rear Camera
<b>IPS-ICV-ETH-M12</b>	M12 to RJ45 Adapter Cable for WV-SBV131M Camera
<b>IPS-ICV-ETH-1POE</b>	Single Port PoE Injector for WV-SBV131M Camera
<b>IPS-ICV-ETH-SIDE-X</b>	50ft Extended Length Ethernet Cable for Exterior Side Camera
<b>ARB-M90</b>	Wireless Mic Transmitter/Receiver/Desktop Charger Kit 900MHz

## Panoramic Front Camera (WV-VCF41P)

**Resolution:** Imaging Mode: 32:9  
3840 x 1080p Bitrate: 14336, 10240, 8192 kbps  
2560 x 720p Bitrate: 8192, 6144, 4096 kbps

**Zoom Range:** 1x Optical; 3x Digital

**Image Sensor:** 1/1.8 CMOS

**Low-light Capability:**

Color: Color: 0.16lx (0.0149 footcandle) (F1.8, AGC:On(High))  
Monochrome: 0.12 lx (0.0112 footcandle) (F1.8, AGC: On(High))  
Angular Field of View: Horizontal: 150° Vertical: 40°

## REAR/SIDE (WV-VCR40W)

**Resolution:** Imaging mode: 16:9

**Compression:** H.264

**Image Sensor:** 1/4 CMOS

**Auto Adjustments:** White Balance (Auto)

**Day/Night:** Auto (IR LED with illumination sensor)

**Built-in Microphone:** Nondirectional electret condenser microphone

**Power:** PoE (IEEE802.3af), ~4.3W

**Weight:** Camera: 0.55 lb, With Bracket: 0.75 lb

**Dimensions:** 4.53"(W) x 1.83"(H) x 1.95"(D) (Camera only, excluding  
mount and projecting parts)

## Exterior Side/Rear Camera (WV-SBV131M)

**Resolution:** Imaging Mode: 16:9  
H.264 1920 x 1080 / 640 x 360 / 320 x 180, 30fps

**Image Sensor:** 1/3 MOS

**Low-light Capability:** Color: 0.1 lx B/W: 0.06 lx

**Angular Field of View:** Horizontal: 109°, Vertical: 73°

**Adjusting Angle:** Horizontal : ±170 °, Vertical : ±90 °

**Image Tilt Adjustment Range :** -170 ° (Left) to +170 ° (Right)

**Environmental Rating:** IP6K9K

Fog compensation function equipped as standard

Camera enclosure is paint-ready to match your vehicle color

## Body-Worn Camera

**Resolution:** Imaging Mode: 16:9

H.264 1080P / 720 / 360P 30fps

**Battery:** Detachable

**Low-light Capability:** Color: 0.08 lx

**Angular Field of View:** Horizontal: 137°, Vertical: 79°

**Microphones:** 4 with Advanced Noise Reduction

**Internal Storage:** 128GB SD Card 256AES Encryption

**Note:** BWC not suitable for high-heat environments



VCF41P Panoramic Camera VPU4000 Video Processing Unit



VCR40W Rear/Side Camera



BWC4000 Body-Worn Camera



SBV131M Exterior Side/Rear Camera

## Learn More

[i-pro.com/us/en/publicsafety](https://i-pro.com/us/en/publicsafety)

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