

# Panasonic



## ARBITRATOR 360° HD

- Full HD 1080p High-quality Video Evidence Capture
- Unparalleled 360° Recording and Viewing
- Low-light Technology for Viewing in Darkness
- Industry-leading 65° Wide-angle Lens and up to 360x Zoom for Maximum Field of View
- SafeServ™ Software Is Compatible with Previous Arbitrator Models and the Panasonic Wearable Camera
- Supports up to Two 512GB Solid State Drives
- Wireless Microphone System Can Transmit Quality Audio up to 1.6 Km from the Receiver
- Provides the Capability to Manage Non-Arbitrator Files

## INTRODUCING THE REVOLUTIONARY ARBITRATOR 360° HD—THE CLEAR CHOICE FOR MOBILE EVIDENCE CAPTURE.

The Arbitrator 360°™ HD rugged in-car digital video recording system leads the industry in image quality for unmatched critical mobile video evidence capture. Its Full HD 1080p front camera delivers amazing clarity and ultra-accurate colour representation, capturing a 65° field of view with enhanced low-light zooming. Up to four additional cameras covering the sides and rear record in 720p HD with 150° horizontal and 93° vertical fields of view to maximize situational awareness. Built on the foundation of Panasonic's industry-leading i-PRO surveillance cameras, the Arbitrator 360° HD delivers the trusted mobile digital video evidence that first responders need for confidence in the courtroom, improved officer safety and trusted community relationships.

The Arbitrator 360° HD system is engineered to work with Panasonic's SafeServ™ Evidence Management Software Suite, which provides a comprehensive, secure and easily customized digital evidence management system. With the ability to manage digital evidence, including still images, IP surveillance video footage and video from Panasonic's WV-TW310 wearable camera systems, SafeServ also protects your investment by ensuring compatibility with previous Arbitrator models.

1.866.413.3099  
Arbitrator@ca.panasonic.com  
panasonic.com

**Arbitrator** <sup>360° FULL</sup>  
MOBILE EVIDENCE CAPTURE SYSTEM

Panasonic

FULL HD

# ARBITRATOR 360° HD

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## DURABILITY

- MIL-STD-810G compliant
- Rugged mount designed to withstand extreme heat and vibration

## KEY FEATURES

- Front camera provides H.264 Full HD video (1080p) high-quality image resolution
- Interoperable with a Toughbook® PC or other vehicle-mounted PC
- Wide-angle lens provides an exceptional field of view
- Up to 5 cameras can be recorded and viewed simultaneously using split screen, offering an unparalleled 360° view
- Up to 3 channels of audio can be recorded simultaneously
- Low-light technology allows for viewing in near complete darkness
- Wireless microphone transmits high-quality audio up to 1.6 km from the receiver
- Recorded files can be archived on a local/external hard drive or DVD-R and transmitted via Wi-Fi or other high-speed wireless networks
- Provides an easy-to-use graphical interface to maximize officer safety and flexible evidence management in the vehicle

## FRONT CAMERA (WV-VC30)

### FEATURES

#### COMPONENT

- Resolution
- Zoom Range
- Image Sensor
- Low-light Capability
- Angular Field of View
- Auto Adjustments
- Day/Night
- AGC
- Weight
- Dimensions

#### SPECIFICATION

Imaging mode: 16:9  
 H.264 1920 x 1080 / 1280 x 720 / 640 x 360 / 320 x 80, 30fps  
 30x Optical; 12x Digital  
 1/3 MOS  
 Colour: 0.5 lx (F1.6, Shutter: 1/30s, AGC: On [High])  
 B/W: 0.02 lx (F1.6, Shutter: 1/30s, AGC: On [High])  
 Horizontal: 2.3-65.1°  
 Vertical: 1.3-38.4°  
 Focus, White Balance  
 Off/Auto  
 On [Low] / On [Mid] / On [High] / Off  
 1.35 lbs.  
 3.58" [W] x 2.95" [H] x 4.84" [D]  
 (excluding mount and projecting parts)

### CONTROLS

- Manual Zoom
- Auto Zoom
- Auto Focus
- Record
- Mode Button to Optimize for Lighting Conditions
- Home Button
- Control Camera Button Backlight
- Front and Rear Record Indication

## REAR SEAT CAMERA (WV-VC31)

### FEATURES

#### COMPONENT

- Resolution
- Image Sensor
- Low-light Capability
- Infrared
- Angular Field of View
- Auto Adjustments
- Day/Night
- AGC
- Wide Dynamic Range
- Weight
- Dimensions

#### SPECIFICATION

Imaging mode: 16:9  
 H.264 1280 x 720 / 640 x 360 / 320 x 180, 30fps (max)  
 1/4 MOS  
 Colour: 1.5 lx  
 B/W: 0.0 lx (when the IR-LED is lit)  
 Auto  
 Horizontal: 150°  
 Vertical: 93°  
 White Balance  
 Auto  
 Auto  
 Auto  
 0.79 lb.  
 3.94" [W] x 1.69" [H] x 1.85" [D]  
 (excluding mount and projecting parts)

## SIDE VIEW CAMERA (WV-VC32)

### FEATURES

#### COMPONENT

- Resolution
- Image Sensor
- Low-light Capability
- Angular Field of View
- Auto Adjustments
- Day/Night
- AGC
- Wide Dynamic Range
- Weight
- Dimensions

#### SPECIFICATION

Imaging mode: 16:9  
 H.264 1280 x 720 / 640 x 360 / 320 x 180, 30fps (max)  
 1/4 MOS  
 Colour: 1.5 lx  
 B/W: 1.0 lx  
 Horizontal: 150°  
 Vertical: 93°  
 White Balance  
 Auto  
 Auto  
 Auto  
 0.62 lb.  
 3.94" [W] x 1.69" [H] x 1.85" [D]  
 (excluding mount and projecting parts)

## VIDEO PROCESSING UNIT (WJ-VR30)

### GENERAL

- Operating Temperature -10°C to 50°C
- Storage Temperature -20°C to 60°C
- Operating Humidity 10% to 80% (no condensation)
- Power Source 12V DC (Guaranteed operating voltage: 10V to 14V)
- Power Consumption 56.4W (with 5 cameras)
- Voltage/Current 12V / 4.7A (max)
- Dimensions 7" [W] x 3.44" [H] x 6.1" [D]
- Weight 4.0 lbs.

### RECORDING

- Recording Media SSD
- Capacity Supports up to (2) 512GB
- SSD Slot With electromagnetic lock

### INTERFACE

- 5-10/100Mbps Ethernet Ports for up to five cameras
- 2-1Gbps Ethernet Ports for PC/Upload
- Optional Wireless LAN 1 (for Upload) 802.11n 2 x 2 (2.4GHz, 5GHz)
- Serial Port (for Radar Gun) RS-232C
- GPIO 16 Inputs, 4 Outputs
- GPS Built-in
- Power Connector (12V DC) (+)/(-)/(ACC)/(N.C.)
- Analog Audio Input 1 (for In-Car Mic) -50 dBV, 3k Ω Unbalanced
- Analog Audio Input 2 (for W-Mic) -10 dBV, 25k Ω Unbalanced

### FRONT PANEL

- Buttons REC, STOP
- Indicator REC, READY, BUSY, UPLOAD, SSD1, SSD2, LAN, PC, WIRELESS1, WIRELESS2, PoE, LINK/ACT

## WIRELESS MICROPHONE

### FEATURES

- Frequency Bandwidth 902MHz-928MHz ISM Band
- Communication Range 5000 ft. (in Open Field)
- Talk Time 12 Hours

### WIRELESS TRANSMITTER

- Buttons REC, MUTE, AUX
- Indicators (Battery Power Level) Green (50%-100%)  
Amber (15%-49%)  
Red (Under 15%)
- Indicators (Tx Status) Out of Range, Sync, Mute, Recording
- Sampling Frequency 16KHz

### WIRELESS RECEIVER

- Charging Status Indicator
- Auxiliary Control of In-vehicle Devices
- Real time Status Updates with VPU

## SOFTWARE SUITE

### SafeServ™ APPLICATION

- Administrator-controlled System Configuration
- Flexible Storage Options
- Flexible Operating Environment
- Single Platform Evidence Management

### CommandR™ APPLICATION

- Provides Full System Control
- Runs on Windows® OS
- Allows Documentation and Classification of Event



Front Camera      Video Processing Unit      Rear Seat Camera      Side View Camera

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**Arbitrator 360° FULL HD**  
 MOBILE EVIDENCE CAPTURE SYSTEM