RECORD. CAPTURE. CONTROL.
WITH PEACE OF MIND.

2016 VIDEO SURVEILLANCE CATALOG
WHY PANASONIC?

From the company that brought you the first security camera in 1957 and invented over a dozen industry standards, Panasonic provides industry-leading solutions to capture, record, manage and analyze surveillance video. Panasonic provides a comprehensive lineup of video surveillance products and solutions that offer the industry’s highest picture quality, mission-critical reliability and the industry’s lowest total cost of ownership. When it counts, you can count on Panasonic video surveillance products and systems to deliver.

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Visit www.panasonic.com/security for the most up-to-date news on Panasonic video surveillance products.

Sign up today and enjoy the free benefits

Panasonic’s new i-PRO Preferred Program provides added value to your i-PRO video surveillance camera purchase without adding cost. i-PRO Preferred strengthens your warranty, expedites service response, and includes an unlimited Video Insight camera license. New and current owners of select i-PRO camera models* are eligible upon registration for a free upgrade to this preferred service status.

Enjoy these benefits:
- Add a two-year extended warranty to your existing three-year factory warranty upon registration.
- While competitive manufacturers charge an annual camera license fee for each camera connected to their VMS, you’ll enjoy an unlimited Video Insight camera license with each eligible i-PRO camera.
- Receive replacement units shipped the same day with overnight delivery.

Sign up today at www.us.panasonic.com/ipropreferred.

*U.S. purchasers only. Select Panasonic i-PRO cameras with a manufacturing date after October 2014 for both the VMS license and the additional two-year warranty extension are eligible.
PANASONIC UNVEILS AERO PTZ Camera
FOR EXTREME ENVIRONMENTS

Panasonic has introduced the Aero PTZ, a new, environmentally rugged pan/tilt/zoom (PTZ) camera built to deliver high-performance surveillance in extreme weather conditions. Lightweight at approx. 11 pounds, the Aero PTZ is designed to operate in mission-critical applications including vital infrastructure in cities, ports, airports, traffic, highways, railways and more.

FULL HD RESOLUTION WITH 360-DEGREE VIEWING
- The Aero PTZ delivers Full HD resolution of 1080p at 60 fps with a 30X optical zoom lens with integrated image stabilization
- 360-degree Sphere Vision 3D viewing provides 360-degree continuous panning and +/- 90-degree tilt range
- Super Dynamic Light Range Compensation ensures a wider dynamic range compared to conventional cameras.

HIGHLY RUGGED, SLEEK BODY DESIGNED FOR EXTREME CONDITIONS
- High strength, sleek fiber glass body offers salt and air corrosion protection, making it highly durable in even the toughest weather conditions from salty wind gusts, to harsh sunshine to the severe artic cold.
- Unique intelligent-radius bodyline minimizes wind drag for more stability and prevents snow and dirt accumulation
- Fully water and dust proof conforming to IP67, NEMA-4X compliant and IK10 environmental specifications
- Operates in the hottest and coldest conditions from -50 °C to +55 °C (-58 °F to +131 °F)
- Built-in wiper and defroster

Optional IR LED
WV-SUD6FRL1
Optional IR-LED enables image capture (up to 492 feet) under low light or complete darkness
PANASONIC INTRODUCES SMART CODING TECHNOLOGY – REDUCE BANDWIDTH WITHOUT SACRIFICING VIDEO QUALITY

Introducing Panasonic Smart Coding, an in-camera surveillance technology that reduces bandwidth usage up to 70% without sacrificing video quality. It delivers the resolution and frame rates you demand, while substantially lowering storage and networking costs. And it’s fully H.264 compliant. This breakthrough innovation comes standard on all new 1, 3, 5, 6 and True 4K* Series cameras, or as a free upgrade.

HOW DOES SMART CODING WORK?

Panasonic combines 3 advanced signal processing technologies to develop Smart Coding. Group of Picture Control, 3D-Multi-Process Noise Reduction and Frequency Divided Filter together provide a bit rate reduction of up to 70%, in the video without losing image quality.

GROUP OF PICTURE (GOP) CONTROL

GOP Control strips out data related to motionless elements in the scene, lowering bit rates. When moving objects enter the frame, the bitrate increases to capture the action.

FREQUENCY DIVIDED FILTER (FDF)

To remove fine noise from low-light footage, FDF separates camera output by frequency, removes noise and then recomposes the data, resulting in crisper, cleaner video.

3D-MULTI-PROCESS NOISE REDUCTION (3D-MNR)

3D-MNR reduces bit rates by reducing video noise and grain. The result: cleaner final images that stream at significantly lower bit rates.

FOR MORE INFORMATION, VISIT: info.panasonic.com/smart-coding

*FDF & 3D-MNR is not available in Panasonic True 4K cameras.
SMART CODING REDUCES BIT RATES UP TO 70% WITHOUT SACRIFICING IMAGE QUALITY

Smart Coding is the only in-camera surveillance technology that reduces bandwidth usage up to 70% without sacrificing video quality. This more efficient, fully compliant H.264 implementation delivers the same high quality resolution and frame rates to preserve forensic detail, while substantially lowering your storage and network costs.

Panasonic combines three advanced signal processing technologies — Group of Picture Control, 3D-Multi-Process Noise Reduction and Frequency Divided Filter — which together provide a bit rate reduction of up to 70%, in the video without losing image quality.

This breakthrough innovation comes standard on all new 1, 3, 5 and 6 Series cameras, or as a free upgrade for these models.

HIGH SENSITIVITY WITH MULTIPROCESSING NOISE REDUCTION

With a combination of 3D noise reduction and multiprocess noise reduction (MNR), both the bright area and the dark area of an image are faithfully reproduced with minimum noise in high-sensitivity image recording.

EASE OF INSTALLATION

The 1/3/5/6 Series cameras are easy to install, with six patterns of holes for various gang boxes, a 4-point locking mechanism to simplify the mounting direction, a non-screw lock PTY mechanism to enable quicker angle adjustment and a flat-bottom body to enable installation without a surface mounting unit.

ENHANCED SUPER DYNAMIC LIGHT RANGE COMPENSATION

Featuring industry-leading 133dB (1 Series up to 122dB) Enhanced Super Dynamic and Adaptive Black Stretch (ABS) technologies, the new 1/3/5/6 Series cameras allow you to see images that you couldn’t see before.

EXCEPTIONAL IMAGE QUALITY

The 3/5/6 Series cameras’ ultrafast frame rate of 68 fps combines with their high-resolution video quality to ensure crisp, smooth motion for applications in casinos, airports, stadiums and much more.

ENHANCED DOF (DEPTH OF FIELD) — 6 SERIES ONLY

With this new feature, a 6 Series camera controls both the iris and the shutter to deliver a deeper depth of field. The depth of field (DOF) is automatically optimized to enhance focus for both near and far objects within the camera’s view.

FOR MORE INFORMATION ON 6, 5, 3, AND 1 SERIES MODELS VISIT www.us.panasonic.com/uniphier
ULTRA-HIGH 4K PICTURE QUALITY FOR DETAILED, WIDE-AREA MONITORING WITH A SINGLE CAMERA

Now Featuring Smart Coding GOP Technology For Lower Bandwidth Streams.

4K (3,840 x 2,160) HD (1,280 x 720) x 4

ULTRA HIGH-DEFINITION, 4K PICTURE QUALITY

Ultra HD 4K cameras offer 27 times the resolution of conventional analog cameras (VGA), nine times that of standard HD (1,280 x 720) and four times that of Full HD (1,920 x 1,080). This means that the finer details of images remain clear even when you need to magnify only a part of the image. The high performance lens used by Panasonic’s 4K cameras provides uniformly high-resolution images from the center out to the edges.

CROPPING FUNCTION

A given area within a single image can be selected, cropped and displayed. For example, areas with high monitoring priority, such as a parking garage entrance or a hallway, can be selected and displayed for easy viewing. You can still keep an eye on the overall image while also focusing on specific areas. With PTZ cameras, when the lens is pointed in a single direction, other areas go out of view during that time, but with a 4K camera you can monitor the entire area while also watching specific areas requiring more focused monitoring.

WIDE-AREA MONITORING

A single 4K camera can effectively monitor a wider area, which allows you to reduce the total number of cameras while also eliminating blind spots. Monitoring can be performed not only at vertical and horizontal angles, but for deeper depths as well. And, even when monitoring within the same area, 4K’s increased range means that the number of units required is reduced substantially compared to that of conventional cameras. This translates into reduced costs for the cameras themselves, less installation time and labor, and lower maintenance costs. 4K-ready monitors can also reduce the number of monitors needed in the control room.

LOW LIGHT READY

The camera’s ultra-high 4K resolution allows it to capture color images in dim, low-light conditions. In even darker conditions, the camera can use its monochrome inversion function to switch to black-and-white images, and in zero-light conditions it can accurately display what is happening in front of it using infrared LED vision.

HIGH-POWER 6X ZOOM LENS WITH AN ULTRA-WIDE ANGLE OF 100°

An optical 6x zoom lens comes standard. The viewing angle range and zoom power can be set in line with conditions where the camera is installed. Using a proprietary 3-drive lens system, Panasonic has developed a high-power 6x zoom lens with an ultra-wide viewing angle of 100°, a type of lens that is extremely difficult to produce using conventional optical design methods. The lens is capable of capturing an extremely wide area, allowing effective 4K coverage of outdoor areas.

PANASONIC’S TRUE 4K TECHNOLOGY

Panasonic’s Proprietary 3-Drive Lens System

The i-PRO TRUE 4K NW Camera is equipped with Panasonic’s proprietary 3-drive lens system, which simultaneously drives two zoom lenses and one focus lens. Having three lenses all driven independently allows them to be smaller and their drive areas reduced, and has thus enabled us to make the camera compact enough to fit in a standard camera body while providing a high-power 6x zoom with high 4K picture quality viewed from an ultra-wide-angle of 100°. Refined Resolution and Superior Contrast for a Higher Level of Video Imaging

In order to create a sharp, clear texture, 12 lenses in four groups are used to provide the ultra-high resolution expected of 4K in every part of the image, from center to edge. Both a higher level of representational precision and a more compact lens system are achieved. Plus, all lenses are glass, while aspheric lenses are also used extensively to reduce aberrations to the ultimate degree. The clear depiction, sharp resolution and beautiful color reproduction necessary for true 4K monitoring have all been successfully achieved.

EASY INSTALLATION

Various design features have been added to shorten installation times. The camera has also been designed to be capable of pointing in the preferred direction at the preferred location.

Dome Type WV-SFV781L

When attached to the mounting plate, the camera’s direction can be easily changed at intervals of 90°. Rotating the viewing area around the lens further allows the lens to be pointed in the desired direction. The combination of a 6x optical zoom and autofocus also shortens the amount of time required for fine tuning the installation.

Box Type WV-SPV781L

A total of three adjustment points on the camera base and arms enables its position to be fine tuned to allow accurate pointing.
VIDEO INSIGHT v6 – VIDEO MANAGEMENT SOFTWARE

Unlimited VI Software License on Select Panasonic Cameras

Panasonic acquired Video Insight, a leading developer of video management software, to expand its surveillance recording and monitoring capabilities and fulfill the company’s ongoing strategy of delivering choice and flexibility to end users.

Video Insight is a scalable enterprise VMS solution that captures, manages and stores video surveillance across a network—on single or multiple locations—and supports the broadest range of IP and analog camera models. Video Insight is the perfect solution for multifacility configurations, including schools, universities, hospitals, healthcare providers, law enforcement and SMBs. Video Insight’s VMS complements Panasonic’s popular embedded recording platforms (WJ-NV300 and WJ-ND400) and video management software applications (ASM200 and ASM970).

Supporting more than 3,000 camera models from 100 manufacturers and integrating with the most popular access control systems, Video Insight’s VMS is powerful yet easy-to-use video management software that delivers a comprehensive VMS experience, including intuitive user interface, robust client options for Windows, MAC and mobile devices and its own built-in access control.

Panasonic is bundling unlimited camera licenses with its recent-model IP cameras* in combination with Video Insight software, thereby offering a compelling value proposition to an end user seeking a winning combination of premiere brand surveillance hardware and software at attractive price points. For a list of Panasonic camera models covered by the unlimited camera license, visit us.panasonic.com/VideoInsight.

YOUR SYSTEM SCALES WITHOUT LIMITATIONS

Video Insight’s 64-bit VMS supports an industry-leading number of cameras per server, unlimited scalability, client workstations, users with simple integration to legacy systems, centralized administration of the system and more.

LOWER TOTAL COST OF OWNERSHIP (TCO) THAN ANY OTHER ENTERPRISE VMS

Affordability, flexibility and a simple licensing model are what sets Video Insight apart. VI provides the most cost-effective enterprise-class VMS solution on the market. With Video Insight, end users receive a perpetual license that includes a wide range of enterprise features—and no hidden fees.

EASY INTEGRATION WITH EXISTING SYSTEMS

Video Insight easily integrates with your existing systems, including access control and building management. Our robust SDK and API make it easy to integrate video or alarms into a centralized console.

MAXIMIZE UPTIME AND PROTECTION

Maximize protection with redundant recording to multiple Network Video Recorders (NVRs). Health Monitor, automated failover, and easy-to-use load balancing allow migration of cameras between servers. All of these features can provide high system availability for both live and recorded video at all times. User access privileges and security features ensure tamper-free protection of all your video, data and audio.

VI MOBILE—SURVEILLANCE ANYWHERE

VI Mobile is a video management system app that allows authorized “on the go” users to access live and recorded video from any camera on any server. Users can view and control PTZ cameras, and view images in full resolution and high frame rates with H.264. The app imports all settings from a single address, providing users access to individual cameras or groups of cameras in predefined layouts. Users can save or email snapshots, view recorded images by alarm or specific times and view thumbnails images on facility maps. Users can also trigger events to display customized actions on Monitor Station/VI Monitor directly from mobile devices.

VIDEO INSIGHT LICENSE INCLUDED WITH SELECTED PANASONIC CAMERAS MANUFACTURED AFTER OCTOBER 2014

Panasonic is offering an unlimited Video Insight software license with the purchase of select Panasonic cameras manufactured after October 2014 to save security professionals valuable time and money.

ELIGIBLE PANASONIC CAMERAS

- **PTZ Dome**
  - SW590, SW590A, SW397A, SW397B, SW390, SW396A, SW395, SW95A, SC550, SC556A, SC875SC387A, SC386, SC385, SC384

- **Outdoor Vandal Fixed Dome**
  - SFV611L, SFV611, SFV531, SW559, SW558, NW302S, SFV319, SFV355, SW52, SW518, SW515, SW155MA, SW152/152M, SW151, SFV110M, SFV150/M

- **Indoor Fixed Dome**
  - SFA311L, SFR311L, SFR531, SF549, SF548, SFR311, SFR310, SF546, SF545

- **Indoor Fixed Dome**
  - SFA311L, SFR631L, SFR631, SFR531, SF549, SF548, SFR311, SFR310, SF546, SF545

- **Indoor Vandal Fixed Dome**
  - SFR311L, SFR631L, SFR631, SFR531, SF549, SF548, SFR311, SFR310, SF546, SF545

- **360° Dome**
  - SFV481L, SFV481, SFV480, SW458, SW458MA, SF448, SF438

- **PT Camera**
  - SW15X, SW1774W, SW1772, S165, S162, BL-VT164W, BL-VT144, BL-VP104W, BL-VP104D, BL-VP101

- **Encoder**
  - GKE500, GKE100

How to tell if your Panasonic camera was manufactured after October 2014:

1. Find the serial number on your camera and/or carton box.
2. The first letter of the serial number code indicates the year of production, where A=January, B=February, C=March, etc.
3. The second letter indicates the month of production, where A=January, B=February, C=March, etc.

For example, October 2014 will be NJ******.

For more information, visit: us.panasonic.com/products-videosurveillance-videoinsight
DELIVERING SHARPER IMAGES WITH HIGHER SENSITIVITY

Introducing a 9 Megapixel 360-degree Network Camera with Built-In Analytics.

9M (3K × 3K) HIGH-RESOLUTION PERFORMANCE ENABLES SHARP RENDERING OF OBJECTS AND PEOPLE’S FACES AT THE EDGE SECTIONS OF THE FISHEYE

COMPLETE WITH POWERFUL ANALYTICS BUILT-IN

HEAT MAP
This provides visualization of the traffic patterns by people and how long they stay in one place. For example, you can place products based on how people tend to flow within the store and arrange objects so that they do not interfere with the movement of people.

PEOPLE COUNTING
This counts the number of people passing through a selected preset location. The People Counting function can provide statistics on the number of people entering and leaving a specific zone and other useful data.

MOVING OBJECT REMOVAL (MOR)
Enables monitoring of changes only to the surrounding environment by removing people and other moving objects from the video. This function can be used with camera images for confirming how products placed in a salesroom are selling while also respecting the privacy of customers in store surveillance.

The ULTRA 360-degree lineup features the “Three Ultras” for establishing a new standard for video monitoring.

ULTRA HIGH RESOLUTION
Includes a 12-megapixel high-sensitivity sensor capable of 4K image output for producing high-resolution images up to 9M (3K × 3K) in Fisheye mode. Detailed monitoring in all directions using the wide range of distribution modes and Multi-stream. (Fisheye mode, Panorama mode, Double Panorama mode, Quad PTZ mode, Single PTZ mode, 4 Stream mode).

ULTRA HIGH SENSITIVITY
Provides natural-looking, crystal-clear images even in dim locations. Includes a new powerful image sensor and new lens. Automatic switching between day/night shooting modes and the linked Auto Back Focus enables monitoring even in dim environments.

ULTRA INTELLIGENT
Heat-map / People Counting (Cross line) / MOR (Moving Object Remover). Focuses on the movement of people for providing a video-based intelligent solution for use in marketing.

9M (3K × 3K) HIGH-RESOLUTION PERFORMANCE ENABLES SHARP RENDERING OF OBJECTS AND PEOPLE’S FACES AT THE EDGE SECTIONS OF THE FISHEYE
**KEY BENEFITS OF PANASONIC VIDEO SURVEILLANCE CAMERAS**

**HIGH PICTURE QUALITY, HIGH SENSITIVITY**

Providing natural looking, sharp video optimized for a wide range of installation environments and conditions.

**HIGH RESOLUTION**
The Panasonic i-PRO SmartHD Series of network cameras are high definition (HD) cameras capable of shooting videos at Full HD (1,920x1,080) and HD (1,280x720). These cameras can record up to 60 images per second (60 fps), even at Full HD resolutions for the capture of exceptionally clear images of moving objects. The resolution, frame rate, and other parameters can be adjusted for the installation location and subject for obtaining the optimum settings for your specific environment.

**ENHANCED SUPER DYNAMIC**

In installation environments with differences in brightness, the Super Dynamic (SD) function brightens dim areas with low visibility and reduces the brightness of areas where blown-out highlights can occur due to over-brightness, providing a natural image that is easy to view. In building entrances and similar locations, this enables the capturing of sharp images of people’s faces as they enter from the outside when exposed to direct sunlight.

With the Super Dynamic (SD) function, the camera can be installed without worrying about lighting conditions that vary based on the time of day and season.

**DAY/NIGHT AUTOMATIC MODE SWITCHING**

In stores, warehouses, and other locations where it is bright during the day but dark at night, the camera can automatically determine the brightness of the area and record video under the optimum conditions. During nighttime hours, the camera automatically switches to black-and-white video for providing footage with high visibility.

**STRONG LOW LIGHT PERFORMANCE IN COLOR**

Monitoring is possible even in dim locations. Panasonic’s proprietary technology enables high-sensitivity shooting that enables distinguishing of color hues even in dimly-lit locations.

**IMAGE COMPENSATION**

**FOG / SANDSTORM COMPENSATION**

A full array of features are provided for optimum shooting in fog, sandstorms, and other hazy environments. Hazy due to fog or a sandstorm is automatically removed by this function providing clear, sharp video footage.

**VISIBILITY ENHANCEMENT COATING**

Water droplets from rain can adhere to the dome cover of the camera and hinder the shooting of clear images. In our Rain-wash coated models, a special coating is applied so that water droplets are repelled allowing clear images to be recorded even during rainfall. This coating is also effective at repelling dirt so that cleaning of the dome cover is required less frequently.

**HIGH LIGHT COMPENSATION**

For cameras installed at locations along roads or at entrances and exits to parking lots, the glare of headlights and other strong light sources shining into the camera lens can prevent the reading of license plates and surrounding areas. Enabling the HLC (High-light compensation) function reduces the brightness of strong light sources and enhances the surrounding areas for optimum video recording.

*Supported functions and specifications differ according to the models. See the specifications for each model.
KEY BENEFITS OF PANASONIC VIDEO SURVEILLANCE CAMERAS (CONT.)

MONITORING WITHOUT BLIND SPOTS

PTZ (Pan-Tilt-Zoom) cameras and omnidirectional cameras enable wide-area monitoring. Multiple cameras can be combined for more efficient monitoring and to eliminate blind spots.

PTZ CAMERA FOR WIDE RANGE MONITORING AND A HIGH ZOOM RATIO

Normal fixed lens cameras can only monitor in a certain direction, but the lens of a PTZ camera can be operated remotely to switch to the direction you want to view. Detailed sensors can also be zoomed to fit a maximum of 90x. Since the camera can be infinitely rotated 360 degrees at a high speed of 300 degrees/sec, you will not miss the subjects you want to monitor.

Preset Positions / Preset Sequences

If there are locations you want to monitor, you can register them in advance, and move to them with a single touch or automatically patrol the registered locations. Data can be saved in a recorder where automatically patrolling the registered locations, without intervention by an operator. Ranges that cannot be covered with a single fixed lens camera can be covered by patrolling.

Advanced Auto Tracking

The pan, tilt, and zoom functions can be combined to automatically track the movement of a subject. If the tracked subject moves out of the camera’s viewable range, an alert is sent to other cameras so that tracking can be continued without interruptions.

Auto Eyelid Mechanism (AEM)

When the direction of the camera lens is tilted upward from the horizontal plane, the video image can appear doubled due to the distortion effect of the dome cover and other causes. The Panasonic WV-SW598 uses an AEM function to reduce this double-image effect and enables shooting of images up to 15° upward from the horizontal plane. This allows the use of auto-tracking and other functions near a video upward range of the subject.

DE-WARPING

The 360-degree Network Camera can capture images around the camera lens in all directions. Available modes include Fisheye, Double Panorama, Panorama, Quad PTZ, and 4 Stream, and the camera can output video images based on the selected video mode for reduced loads on the viewing system.

360-DEGREE MONITORING

The 360° Network Camera can capture images around the camera lens in all directions. Available modes include Fisheye, Double Panorama, Panorama, Quad PTZ, and 4 Stream, and the camera can output video images based on the selected video mode for reduced loads on the viewing system.

DEHUMIDIFICATION DEVICE

When installed in locations that are prone to condensation, Tasks such as rotating the camera may cause blurry video images caused by condensation of the camera dome cover. The network camera outdoor models have a built-in dehumidifier device to lower the internal humidity for preventing damage to the camera.

Rainwater protection for outdoor installations

The outdoor models have a waterproof and dustproof structure that is suited for outdoor installation without requiring insertion in a special housing or other weatherproofing protection.

Temperature protection for outdoor installations

Models can be selected to match your specific installation conditions and can be installed in environments with temperatures ranging from -40°C to 60°C.

SUPPORT FOR VARIOUS INSTALLATION ENVIRONMENTS

Panasonic network cameras are available in a full lineup of products custom-tailored for a wide range of installation environments. Their specialized design also helps to reduce the work required for installation.

SELECT THE SPECIALIZED MODEL FOR YOUR INSTALLATION ENVIRONMENT

INSTALLATION ENVIRONMENTS

Vandal Resistant

When installed in locations that are prone to vandalism and tampering, measures are required for preventing damage to the camera. Models featuring the Vandal Resistant mechanism are ideal for installation in these types of locations.

DEHUMIDIFIER

VANDAL RESISTANT MECHANISM

Models featuring the Vandal Resistant mechanism include a shock absorber between the internal lens. Even if the dome cover is subjected to a potentially damaging impact, the shock absorber will absorb the impact to protect the internal structure from damage.

*Supported functions and specifications differ according to the models. See the specifications for each model.
**SUPPORT FOR VARIOUS INSTALLATION ENVIRONMENTS** (continued)

Panasonic network cameras are available in a full lineup of products custom-tailored for a wide range of installation environments. Their specialized design also helps to reduce the work required for installation.

**Onboard Model**
- A lineup of network cameras is also available with anti-vibration and other specific features for installation in cars, buses, and other vehicles.

**.capabilities**
-Mounted on the Outside of the Vehicle
  - The rugged mobile network camera WV-SBV131M, WV-SBV111M meets the United States Department of Defense Military Standards MIL-STD-810G to withstand even the harshest of environments.
  - The lenses' hard coated surface allows the vehicle to be put through a carwash.
  - Capable of withstanding temperatures ranging from -40˚C (-40˚F) and up to 60˚C (140˚F) the camera is highly versatile.

**Reduced Installation Time**
- The i-PRO SmartHD Series cameras install a number of features for reducing the time required for installation. If you want to change the camera direction after installation, the camera direction can be changed in 90˚ steps without removing the base (SFV, SFR, SFN models).
- The dome cover can also be easily removed to change the direction of the lens.
- The ABF (Auto back Focus) feature automatically adjusts the image sensor position when changing from color to B/W mode, optimizing the back focus required for clear, sharp images. In addition, the one-push Auto Back Focus feature sharply reduces the time required to focus cameras during installation, allowing focus to be set using the optional system controller.
- The variable focal length allows the view range to be expanded or contracted, making it ideal for installation with a high degree of freedom.

- **ABF (Auto back Focus)**
  - The ABF feature automatically adjusts the image sensor position when changing from color to B/W mode, optimizing the back focus required for clear, sharp images. In addition, the one-push Auto Back Focus feature sharply reduces the time required to focus cameras during installation, allowing focus to be set using the optional system controller.
  - The variable focal length allows the view range to be expanded or contracted, making it ideal for installation with a high degree of freedom.

**Please find the Transit camera specifications on page 25.**

**INTELLIGENT VIDEO MOTION DETECTION**

The camera itself features intelligent functionality for notifying the administrator about changes to situations or dangers using a variety of methods. This eliminates the need to constantly watch the screen in the control room for reducing the TCO.

**INTERRUPTER DETECTION**
- Crossing over the fence

**LOITERING DETECTION**
- Objects staying longer than a specified time

**SCENE CHANGE DETECTION**
- Interference such as blackage of the lens with a cloth or spray paint

**OBJECT DETECTION**
- Crossing over the fence

**AXIS OF ACTION**

**When an alarm is activated**
- Notification sent to the monitoring screen
- Alarm notification sent to the recorder
- Alarm display on WV-ASM200

**Data saved to SD memory card installed in the camera**
- Notification sent to device connected to external output
- Notification sent to device connected to external output
- Alarm notification sent to device connected to external output

**的独特功能**
- When a situation occurs (alarms, intruder, etc.), a unique alarm notification is sent to the specified device.

**Supported functions and specifications differ according to the models. See the specifications for each model.**
**NETWORK PRODUCTS**

**Camera Type**

**Appearance**

- **Network Products**
- **Camera Type**
- **Pan Tilt Zoom**
- **Sensor**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Color and Transmission**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Max. Resolutions**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Super Dynamic **
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Day/Night**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Max. Illumination**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Lens**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Pan**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Tilt**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Optical Zoom**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Digital Zoom**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Video Motion Detection**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Video Motion Detection**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Max. Connection**
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  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **SD memory Card**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Audio**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Audio REC**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **SD memory Card**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **External I/O**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Built-in Functions**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Mounting Options**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**

**Camera Type**

- **Appearance**
- **Video Codec**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Max. Resolutions**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Super Dynamic**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Day/Night**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Max. Illumination**
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  - **VW-SW93Y7B**
- **Lens**
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  - **VW-SW93Y7B**
- **Pan**
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  - **VW-SW93Y9A**
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- **Tilt**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Optical Zoom**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Digital Zoom**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Video Motion Detection**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Video Motion Detection**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Max. Connection**
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  - **VW-SW93Y7B**
- **SD memory Card**
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  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **External I/O**
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  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Built-in Functions**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
- **Mounting Options**
  - **VW-SU6438**
  - **VW-SW93Y9A**
  - **VW-SW93Y7B**
### Network Products

#### Camera Type: WV-SC395

- **Appearance**
  - **Sensor**: 1/3 MOS
  - **Lens**: f=4.7 to 84.6 mm, F1.6

- **Codec and Transmission**
  - **Video Codec**: H.264 / JPEG
  - **Video Format**: Multi-stream
  - **Smart Coding**: Yes

- **Max. Resolution**
  - **1080i**: 1440 x 1080
  - **1080p**: 2048 x 1536

- **Max. FPS**
  - **1080i**: 30 fps (1.3 MP)
  - **1080p**: 60 fps (1.3 MP)

- **Super Dynamic / DNR / BRA**
  - **Super Dynamic**: Yes
  - **DNR**: Yes
  - **BRA**: Yes

- **Built-in IR LED**
  - **F1.6 (w/IR)**

- **Audio Detection**
  - **Type**: Yes

- **DNC (Intelligent VMD) (w/extension software)**
  - **Type**: Yes

- **SD memory Card**
  - **Type**: Yes

- **Built-in heater**

- **Mounting Options**
  - **Type**: See pages 64, 67

#### Camera Type: WV-SC394

- **Appearance**
  - **Sensor**: 1/3 MOS
  - **Lens**: f=2.8 to 10 mm, F1.3

- **Codec and Transmission**
  - **Video Codec**: H.264 / JPEG
  - **Video Format**: Multi-stream
  - **Smart Coding**: Yes

- **Max. Resolution**
  - **1080i**: 1440 x 1080
  - **1080p**: 2048 x 1536

- **Max. FPS**
  - **1080i**: 30 fps (1.3 MP)
  - **1080p**: 60 fps (1.3 MP)

- **Super Dynamic / DNR / BRA**
  - **Super Dynamic**: Yes
  - **DNR**: Yes
  - **BRA**: Yes

- **Built-in IR LED**
  - **F1.3 (w/IR)**

- **Audio Detection**
  - **Type**: Yes

- **DNC (Intelligent VMD) (w/extension software)**
  - **Type**: Yes

- **SD memory Card**
  - **Type**: Yes

- **Built-in heater**

- **Mounting Options**
  - **Type**: See pages 64, 67

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(*) : SBV111M/131M: 10BASE-T/100BASE-TX, M12 connector
(*2): Alarm In1(DayNight In), Alarm In2(Alarm Out), Alarm In3(AUX Out) (x1 for each)
(*3): Alarm In1, Alarm In2(Alarm Out), Alarm In3(AUX Out) (x1 for each)
(*4): SBV111M/131M: 10BASE-T/100BASE-TX, M12 connector
(*5): Railway Application (EN50155-T3, EN50121, EN45545, EN50498 and ECE-R10 (SFV130M))
## NETWORK PRODUCTS

### Appearance

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### Vandal Resistant
- WV-SPV9611
- WV-SPV9611T
- WV-SPV9611T

### Alternative Equipment
- WV-SPV9611
- WV-SPV9611T
- WV-SPV9611T

### Water and Dust Resistance
- WV-SPV9611
- WV-SPV9611T
- WV-SPV9611T

### Power Supply
- 12V DC / PoE / 12V DC / PoE
- 12V DC / PoE
- 12V DC / PoE

### External I/O
- Yes (3) (x4)
- Yes (3) (x2)
- Yes (3) (x2)

### Audio Detection Alarm
- Yes (3)
- Yes (3)
- Yes (3)

### SD memory Card
- Yes (2)
- Yes (2)
- Yes (2)

### Power and Alarm Detection
- Yes (3)
- Yes (3)
- Yes (3)

### Audio
- Yes (4)
- Yes (4)
- Yes (4)

### Built-in heater
- Yes
- Yes
- Yes

### Built-in IR LED
- Yes
- Yes
- Yes

### Smart Coding
- Yes (GOP Only)
- Yes | Yes | Yes

### Built-in heater
- Yes
- Yes
- Yes

### Built-in IR LED
- Yes
- Yes
- Yes

### Optional Extension Unit
- Optional
- Optional
- Optional

### Mounting Options
- See page 5
- See page 5
- See page 5
## NETWORK PRODUCTS

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### Appearance

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Panasonic Security Viewer is an application that can view the images from i-PRO SmartHD Series Network Cameras and Network Disk Recorders (WJ-NV200/WJ-NV300/WJ-NV400/WJ-HD716/WJ-HD616).

By connecting a terminal to a 3G/4G or wireless LAN (Wi-Fi), it is possible to view live images from cameras and recorded images stored on recorders.

![Diagram of Panasonic Security Viewer](image)

To use the Panasonic Security Viewer via the Internet, it is recommended to register in the Dynamic DNS (DDNS) service.

**Network Disk Recorder**
- Network Disk Recorder
- Mobile service provider network
- Internet
- Dynamic DNS Service
- Panasonic Security Viewer
- Camera

**Application**
- iPhone
- iPad
- Android terminal

**Features**
- To use the Panasonic Security Viewer via the Internet, it is recommended to register in the Dynamic DNS (DDNS) service.
- By connecting a terminal to a 3G/4G or wireless LAN (Wi-Fi), it is possible to view live images from cameras and recorded images stored on recorders.

### Panasonic Security Viewer App

**Version 2.1**

**Toughpad FZ-A1, JT-B1,**

**Software and Accessories**

Easily migrate to an advanced IP system while still using the existing assets of your analog system.

**Effective utilization of analog cameras**

**Encoder**
- **4 CH H.264 Video Encoder**
  - WJ-GXE500
  - (12 V DC or PoE)

**Optional Accessory**
- **EIA 48.26 cm (19 inch) Rack Mount Bracket**
  - WV-Q204/2S
  - (for mounting three WJ-GXE500)

**Coaxial LAN Converter**
- **Coaxial LAN Converter with PoE function**
  - 4-channel receiver side unit
  - WJ-PR204
  - (Indoor use only)

**Multi Channel High Definition Video Decoder**
- **WJ-6XD400**
  - 4x1080i, 1920 x 1080 display size
  - HDMI interface supporting 1920 x 1080 display size
  - Each of VGA images can be displayed at 25 frames/s.
  - Superior reliability and installation flexibility with an embedded OS

**Effective utilization of cabling**

**Coaxial LAN converter**
- The coaxial cables of existing analog cameras can be used for expanding the reach of the IP network.

**Basic System Connection Example**

Coaxial LAN cables can be used up to distances of 2 km.

Power can also be supplied to PoE cameras for distances of up to 500 m, PoE+ cameras for distances of up to 300 m.

**Network Video Decoder**
- **WJ-6XD400**
  - **Optional Accessories**
    - **Rack Mount Bracket**
      - WJ-6X2D75
      - For mounting four units
    - **6K HD Camera**
      - WJ-HD616
      - For mounting six units
    - **PoE Switching Hub**
      - WJ-PR204
      - 4-channel receiver side unit
    - **Camera side unit**
      - WJ-PC200
      - Camera side unit

---

*NEW*
**RECORDING SOLUTIONS VMS and EMBEDDED**

### Recording Solutions

**WJ-ND400**
- 120 V AC: NTSC, 220-240 V AC: PAL
- H.264, MPEG-4 and JPEG multi format
- Up to 44 network cameras can be connected and recorded (Video and Audio)
- Various Recording Mode: Manual, Schedule including Event (Pre/Post), Emergency
- RAID5/6, Embedded OS, Data encryption for reliability
- Up to 54 HDD slots with 9 HDD slots in the main unit and five WJ-HDE400 optional Extension Units each with 9 HDD slots
- Optional HDD: 6TB HDD Canister/6000; 4TB HDD Canister/4000; 3TB HDD Canister/3000; 2TB HDD Canister/2000

**WJ-NV300**
- 120 V AC: NTSC, 220 V - 240 V AC: PAL
- H.264 and JPEG multi format
- 16(NTSC) / 9(PAL) network cameras can be connected and recorded as default. Up to 32 *1* network cameras can be connected and recorded.
- Quick setup by automatic camera detection and simple setup wizard without the use of PC
- Simple mouse operation by new GUI without the use of PC
- Supports the Full HD output (HDMI)
- HDD capacity is expandable up to 20 HDD slots (2 HDD slots in the main unit and 2 optional WJ-HDE400 Hard Disk Extension Units each with 9 HDD slots).
- Supports 360-degree network microphone (WV-SMR10)

*1 Two Additional Camera Kits WJ-NVE30 are necessary. (NTSC) Three Additional Camera Kits WJ-NVE30 are necessary. (PAL)

### Optional Accessories

- **Hard Disk Extension Unit WJ-HDE400**
- NTSC model

**Additional Camera Kit WJ-NVE30**
- 120 V AC, 60 Hz (NTSC) 220 ~ 240 V AC, 50 Hz (PAL)
- Power Consumption: approx. 130 W
- Dimensions: 430 mm (W) x 132 mm (H) x 400 mm (D) (16-15/16" (W) x 5-3/16" (H) x 15-12/16" (D)) (excluding rubber feet and projections)
- Weight: 13.5 kg (29.8 lbs.) (When no HDD exist) 20 kg (44.15 lbs.) (When 9 HDDs are installed)

### Survey from Anywhere

- Monitor Station, Web Client and Mobile App share powerful features that allow you to access live and recorded video no matter where you are.

### Support for 3,000 Cameras from 100+ Manufacturers

- Video Insights supports single and bi-directional integration of access control alarms from the leading vendors.

### Support for Over 130 Encoders

- Integration to over 130 encoders so that our customers can affordably convert analog-to-IP and maximize the use of existing resources by turning their analog video system into a network video system.

### Scalable Enterprise VMS Solution

- Video Insight is the perfect solution for multi-facility configurations including schools, universities, hospitals, healthcare providers, law enforcement and SMBs.

**NO LICENSE REQUIRED FOR SELECT PANASONIC CAMERAS**

- Unlimited Video Insight software license is available with the purchase of select Panasonic cameras manufactured after October 2014.

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**FACEPRO® – WV-ASF900W**

**FACIAL RECOGNITION ANALYTICS PLATFORM**

- Add-on face matching function: Add the face matching function by simply adding the necessary devices and the software
- Up to 20 cameras can be connected to each server

**FACE SEARCH**

- Face images that the camera detects are stored and can be searched later
- By searching the face database, you can display the results of each camera in chronological order and find movement and location of persons
- Specify camera or date in detected face images and display the result in the list in similar order

**FACE MATCHING**

- When faces are matched with registered people, alarm of face matching is output in real time, and an alarm history is displayed in the list
- Double clicking on facial alarm notification can play back video segment on the control monitor

**PEOPLE COUNTING, AGE AND GENDER STATISTICS**

- Count people with detected faces and evaluate their age and gender
- Display the result on the screen with statistical graph
- The statistical data can be saved as a CSV file for analytical use

---

**WV-ASC970W / WV-ASM970W**

**IP MATRIX CLIENT SOFTWARE**

- Multimonitor option enables simultaneous use of operation screen and monitor screen (1/4/7/9/10/13/16 split) on a dedicated monitor; two-monitor operation is also available
- Up to 36 ips/camera can be displayed in 16 split screens in H.264 1.5 Mbps mode (depending on the camera, camera setup and PC performance)
- Image resolution dynamically changes depending on the screen mode; VGA for quad screens, QVGA for 16 split screens, enabling optimum network usage (depending on the camera model)
- Decoder mode supported (WV-ASG700W can be used as PC-based decoder instead of WV-SCU400)
- WV-ASE202W: Max. 16 screens x 4 monitor support

**WV-ASM200W**

**I-PRO MANAGEMENT SOFTWARE**

- Supports 16/7 video streams and 16.9 HD monitor; displays 16.9 and 4:3 videos from IP cameras on the same screen
- H.264 recording data in the SD/SDHC memory card can be downloaded
- Connect file format from M-Cam (proprietary format) to MP4 and RMV
- Up to 168 recorders, 64 encoders and 256 directly connected cameras can be registered
- Up to 640 cameras registered in the recorders and 256 cameras registered in the encoders are automatically registered in the WV-ASIS900W (the number of cameras depends on the recorder and encoder)

- Up to 16x30 ips/camera images can be displayed in H.264 1.5 Mbps mode
- Fish-eye image correction/warp

---


**EXTENSION SOFTWARE**

- WV-ASE201W: Increases number of recorder registration
- WV-ASE203W: Supports WJ-CXZ2400
- WV-ASE205W: Image compensation (Fog/Snow)
- WV-ASE31W: Client for WV-ASF900W

---

**FACE PRO® SYSTEM COMPONENTS**

- ASF901/16G/1TB/G: 1-Rack 16GB Server and FacePro Software with 4-channel license
- WV-ASE901W: FacePro Single Channel Expansion
- WV-ASE904W: FacePro Four Channel Expansion License
### ANALOG PRODUCTS

#### CAMERA TYPE

<table>
<thead>
<tr>
<th>Indoor / Outdoor</th>
<th>OUTDOOR</th>
<th>INDOOR</th>
</tr>
</thead>
</table>

#### DV5000A

- **Appearance**
  - WV-CW500A, WV-CW501A

- **Sensor**
  - 1/3 type interline transfer CCD

- **Resolution**
  - Horizontal, 700 TV lines or more

- **Super Dynamic / WDR / BLC**
  - Super-D

- **Focus Adjustment**
  - Auto Focus, Manual

- **Built-in IR LED**
  - —

- **Min. Illumination**
  - Color: 0.08 lux, Color (Sens up): 0.0024 lux
  - B/W: 0.004 lux, B/W (Sens up): 0.00024 lux

- **Lens**
  - F: 3.8 to 8.0 mm, F1.4

- **Angular field of view**
  - H: 33.6° (Tele) to 74.9° (Wide)

- **Adjusting Angle**
  - Pan: ±170°, Tilt: ±75°

- **Optical Zoom**
  - 2.1x

- **Digital Zoom**
  - 2x

- **VMD (Video Motion Detection)**
  - Yes

- **Camera title (OSD)**
  - Yes

- **External I/O**
  - 4 inputs (ALARM IN 1 - ALARM IN 4), 2 outputs (ALARM OUT 1, 2)

- **Vandal Resistant**
  - —

- **Water and Dust Resistance**
  - IP66

- **Power Source**
  - 24 V AC

- **Other Functions**
  - Smoke Dome Cover

#### Options

- **Bracket**
  - Wall Mount Bracket

- **Heater Unit**
  - —

- **Overlay**
  - —

- **Mounting Options**
  - See page 40

#### Camera title (OSD)

- WV-CW500A: Rain wash coating

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#### Camera title (OSD)

- WV-CW500A: Rain wash coating

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### NEW

#### CAMERA TYPE

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- **Water and Dust Resistance**
  - IP66

- **Power Source**
  - 24 V AC

- **Other Functions**
  - Smoke Dome Cover

#### Options

- **Bracket**
  - Wall Mount Bracket

- **Heater Unit**
  - —

- **Overlay**
  - —

- **Mounting Options**
  - See page 40, 47

---

### DOME

#### DV5000A

- **Appearance**
  - WV-CW500A, WV-CW501A

- **Sensor**
  - 1/3 type interline transfer CCD

- **Resolution**
  - Horizontal, 700 TV lines or more

- **Super Dynamic / WDR / BLC**
  - Super-D

- **Focus Adjustment**
  - Auto Focus, Manual

- **Built-in IR LED**
  - —

- **Min. Illumination**
  - Color: 0.08 lux, Color (Sens up): 0.0024 lux
  - B/W: 0.004 lux, B/W (Sens up): 0.00024 lux

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  - IP66

- **Power Source**
  - 24 V AC

- **Other Functions**
  - Smoke Dome Cover

#### Options

- **Bracket**
  - Wall Mount Bracket

- **Heater Unit**
  - —

- **Overlay**
  - —

- **Mounting Options**
  - See pages 44, 47
## Camera Types

### Analog Products

### Dome Camera

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<th>Sensitivity</th>
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<th>Min. Illumination</th>
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<th>Adjusting Angle</th>
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<tbody>
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<td>ABF</td>
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<td>ABF</td>
<td>—</td>
<td>0.08 lx</td>
<td>1.2 x to 50 mm F1.4</td>
<td>Pan: 180° to –170°</td>
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<tr>
<td>WV-CP624</td>
<td>SR</td>
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<td>1/3 type interline transfer CCD</td>
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<td>ABF</td>
<td>—</td>
<td>0.08 lx</td>
<td>1.2 x to 50 mm F1.4</td>
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<td>WV-CP300</td>
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<td>ABF</td>
<td>—</td>
<td>0.08 lx</td>
<td>1.2 x to 50 mm F1.4</td>
<td>Pan: 180° to –170°</td>
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<td>ABF</td>
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<td>0.08 lx</td>
<td>1.2 x to 50 mm F1.4</td>
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<td>1.2 x to 50 mm F1.4</td>
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<td>WV-CP314</td>
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<td>ABF</td>
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<td>0.08 lx</td>
<td>1.2 x to 50 mm F1.4</td>
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### Dome Camera

<table>
<thead>
<tr>
<th>Model</th>
<th>Indoor / Outdoor</th>
<th>Appearance</th>
<th>Sensor</th>
<th>Resolution</th>
<th>Sensitivity</th>
<th>Focus Adjustment</th>
<th>Built-in IR LED</th>
<th>Min. Illumination</th>
<th>Lens</th>
<th>Angular Field of View</th>
<th>Adjusting Angle</th>
<th>Other Functions</th>
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<tbody>
<tr>
<td>WV-CF344</td>
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<td>WV-CF354</td>
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<td>0.08 lx</td>
<td>1.2 x to 50 mm F1.4</td>
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<td>WV-CF314L</td>
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<td>ABF</td>
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<td>0.08 lx</td>
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### Box Camera

<table>
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<th>Resolution</th>
<th>Sensitivity</th>
<th>Focus Adjustment</th>
<th>Built-in IR LED</th>
<th>Min. Illumination</th>
<th>Lens</th>
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<td>ABF</td>
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<td>0.08 lx</td>
<td>1.2 x to 50 mm F1.4</td>
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<td>WV-CP134</td>
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<td>ABF</td>
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<td>0.08 lx</td>
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<td>WV-CP330</td>
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<td>WV-CP334</td>
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### Options

- Smoke Dome Cover
- Bracket
- Heater Unit

### Mounting Options

- See page 51

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**ANALOG PRODUCTS**
DIGITAL VIDEO RECORDERS

WJ-HD716 (120V AC: NTSC)
16 CH REAL-TIME H.264 DIGITAL DISK RECORDER

WJ-HD616 (120V AC: NTSC)
16 CH H.264 DIGITAL DISK RECORDER
- Dual HDMI (Full HD 1080p and 1920 x 1080 display)
- H.264 (high-profile) codec reduces bandwidth by up to 60% compared with MPEG-4
- 57 GHz Super Dynamic 5 Link with intelligent Video Motion Detection (i-VMD) alarm
- Real-time recording (WJ-HD716) and 16CH 2x monitors real-time live
- Up to 31 HDD slots with four HDD slots in the main unit and three WJ-HDE400 optional extension units, each with nine HDD slots

OPTONAL ACCESSORIES

OPTIONAL ACCESSORIES

SYSTEM CONTROLLERS

WV-CU950
ETHERNET SYSTEM CONTROLLER WITH 3D-JOYSTICK AND JOG/SHUTTLE
- For smooth operation of Ethernet/IP data interfaced devices, WV-ASM200/WV-ASC970 and System650/System650/System150 (WJ-SX150A version 2.0 or higher)
- Integrated system control: camera, recorder and switcher
- User-level management and user-assignable buttons
- Universal design for right- or left-handed users

WV-CU650
RS-485 SYSTEM CONTROLLER WITH 3D-JOYSTICK AND JOG/SHUTTLE
- For smooth operation of PS data interfaced devices and System650/System150/WJ-SX150A (version 2.0 or higher)
- Integrated system control: camera, recorder and switcher
- User-level management and user-assignable buttons
- Universal design for right- or left-handed users

WJ-HD716 (120V AC: NTSC)
16 CH REAL-TIME H.264 DIGITAL DISK RECORDER

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OPTIONAL ACCESSORIES

OPTIONAL ACCESSORIES

OPTIONAL ACCESSORIES

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OPTIONAL ACCESSORIES
### COMPATIBILITY CHARTS

#### CAMERA ACCESSORIES

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION/TYPe</th>
<th>COMPATIBILITY</th>
<th>IMAGE</th>
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<tbody>
<tr>
<td>WV-CF55A</td>
<td>Smoke Dome</td>
<td>WV-SFN631L/631L, WV-SFN310A/311A, WV-SFN531</td>
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<tr>
<td>WV-CS45</td>
<td>Smoke Dome</td>
<td>WV-CS531A</td>
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<tr>
<td>WV-CS5C</td>
<td>Clear Dome</td>
<td>WV-CS5BWA, WV-CS5BTA</td>
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<tr>
<td>WV-CS5S</td>
<td>Smoke Dome</td>
<td>WV-CS5BWA, WV-CS5BTA</td>
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<tr>
<td>WV-CW4C</td>
<td>Clear Dome</td>
<td>WV-NW531S, WV-CW534S, WV-CW5324</td>
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<tr>
<td>WV-CW4SA</td>
<td>Smoke Dome</td>
<td>WV-NW531S, WV-CW534S, WV-CW5324</td>
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<tr>
<td>WV-CW7S</td>
<td>Smoke Dome</td>
<td>WV-SFV631L/631LT/631L, WV-SFV310A/311A, WV-SFV531</td>
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<td>WV-CW6SA</td>
<td>Smoke Dome</td>
<td>WV-SWF310A/311A/311A, WV-SFV531</td>
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<tr>
<td>WV-Q7118</td>
<td>Extended Shade Cover</td>
<td>WV-Q9130/30130/30130, WV-Q9130/30130/30130, WV-Q9130/30130/30130</td>
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<tr>
<td>WV-CW5HA</td>
<td>Optional Heater</td>
<td>WV-CW6325/2425/3525</td>
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#### HOUSING AND MOUNTING BRACKETS FOR DOME CAMERAS

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>PICTURE</th>
<th>DESCRIPTION/TYPe</th>
<th>OUTDOOR VANDAL</th>
<th>INDOOR DOME</th>
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<tbody>
<tr>
<td>WV-G169A</td>
<td></td>
<td>Indoor Embedded Ceiling Mount Bracket</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>WV-G174B</td>
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<td>Indoor Embedded Ceiling Mount Bracket</td>
<td>Yes</td>
<td>Yes (except WV-CF314L)</td>
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<td>PRCM1</td>
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<td>Indoor Embedded Ceiling Mount Bracket</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>PPM51</td>
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<td>Indoor Pendant Mount Housing, Black</td>
<td>Yes (Except WV-SFR631L/631L)</td>
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<tr>
<td>PPM51B</td>
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<td>Indoor Pendant Mount Housing, Beige</td>
<td>Yes (Except WV-SFR631L/631L)</td>
<td>Yes</td>
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<tr>
<td>PS484S</td>
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<td>Outdoor Vandal-resistant Shroud</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>PPM484S</td>
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<td>Outdoor Vandal-resistant Pole Mount</td>
<td>Yes</td>
<td>Yes</td>
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<td>PCM484S</td>
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<td>Outdoor Vandal-resistant Camera Mount</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>PHM484S</td>
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<td>Outdoor Vandal-resistant Hanging Mount</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>PWM484S</td>
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<td>Outdoor Vandal-resistant Wall Mount</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>WV-G7118</td>
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<td>Outdoor Extended Sun Shade</td>
<td>Yes</td>
<td>Yes</td>
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<td>WV-G124</td>
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<td>Outdoor Shroud Bracket requires WP-V7122A</td>
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<td>Yes</td>
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<td>PWM781</td>
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<td>Outdoor Wall Mount &amp; Shroud</td>
<td>Yes</td>
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### HOUSING AND MOUNTING BRACKETS FOR INDOOR PTZ CAMERAS

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<th>MODEL NO.</th>
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<td>WV-Q117</td>
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<td>Suspended Ceiling Mount</td>
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<td>WV-Q118B</td>
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<td>Indoor/Wall Wall Mount Bracket, Silver</td>
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<td>WV-Q119</td>
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<td>Indoor/Wall Wall Mount Bracket, White</td>
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<td>WV-Q126</td>
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<td>Indoor/Ceiling Embedded Ceiling Mount Bracket</td>
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<td>WV-Q126A</td>
<td></td>
<td>Yes (WV-Q126A)</td>
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<td>WV-Q154C</td>
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<td>Indoor/Wall Wall Mount Bracket—Clear Dome</td>
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<td>WV-Q154S</td>
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<td>Indoor/Wall Wall Mount Bracket—Smoke Dome</td>
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<td>WV-Q155C</td>
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<td>Embedded Ceiling Mount Bracket—Clear Dome</td>
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<td>WV-Q155S</td>
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<td>Ceiling Mount Bracket—Smoke Dome</td>
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<td>WV-Q157</td>
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<td>Inner Dome Cover</td>
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<td>PISO5V</td>
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<td>Indoor/Pendant/Outdoor Dome Housing</td>
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<td>PIDV7CN</td>
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<td>Indoor/Ceiling Vandal 7” Indoor recessed Ceiling Housing with Clear Dome</td>
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### HOUSING AND MOUNTING BRACKETS FOR INDOOR PTZ CAMERAS (CONT.)

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<td>PIDM9</td>
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<td>Indoor/Ceiling 9” Indoor recessed Ceiling Housing (Dome not included)</td>
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<td>PID9</td>
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<td>Indoor/Ceiling 9” Indoor recessed Ceiling Housing (Dome not included)</td>
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<td>POSM5V</td>
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<td>Outdoor/Ceiling – 5” Outdoor vandalresistant Housing 24V AC to 12V DC Converter</td>
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<td>PODV9CPTA</td>
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<td>Indoor/Pendant – 9” Indoor vandalresistant Dome Housing with Pendant Mount – Clear/H&amp;B</td>
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<td>PODV9CWTA</td>
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<td>Outdoor/Pendant – 9” Outdoor vandalresistant Dome Housing with Wall Mount – Clear/H&amp;B</td>
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<td>POD9CA</td>
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<td>Outdoor/Pendant – 9” Outdoor Dome Housing with Pendant Mount, Silver – Clear/H&amp;B</td>
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<td>Outdoor/Pendant – 9” Outdoor Dome Housing with Wall Mount, Silver – Clear/H&amp;B</td>
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<td>PPFD9C</td>
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<td>Outdoor/Pendant – 9” Outdoor Pressurized Dome Housing for Analog Camera – Clear/H&amp;B</td>
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### HOUSING AND MOUNTING BRACKETS FOR OUTDOOR PTZ CAMERAS

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<th>WV-SW397A/B</th>
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<td>PPRM30G</td>
<td>Outdoor Parapet Mount Short, Black</td>
<td>Yes</td>
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<td>PPRM30GB</td>
<td>Outdoor Parapet Mount Short, Beige</td>
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<td>PWM30G</td>
<td>Outdoor Parapet Mount Long, Black</td>
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<td>PWM30GB</td>
<td>Outdoor Parapet Mount Long, Beige</td>
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<td>PWM20G</td>
<td>Outdoor Gooseneck Wall Mount, Black</td>
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<td>PWM20GB</td>
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<td>PWM2005</td>
<td>Outdoor Gooseneck Wall Mount, Silver</td>
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<td>PSRCW2000B</td>
<td>Outdoor Roof Mount Short, Black</td>
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<td>WV-Q122A</td>
<td>Outdoor Wall Mount Bracket</td>
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<td>WV-Q121</td>
<td>Outdoor Ceiling Mount Bracket</td>
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<td>PACA4</td>
<td>Outdoor Corner Mount Adaptor</td>
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<td>PACA4B</td>
<td>PACA4-Black, PACA4B-Beige</td>
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<td>PAPM4</td>
<td>Outdoor Pole Mount Adaptor</td>
<td>Compatible with PWM30 series, WV-0123A, WV-SPWxxx series</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>PAPM4B</td>
<td>PAPM4-Black, PAPM4B-Beige</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>PAPM6</td>
<td>Outdoor Wall/Pole Mount Adaptor</td>
<td>Compatible with PWM30 series, WV-0123A, WV-SPWxxx series</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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### HOUSING AND MOUNTING BRACKETS FOR FIXED CAMERAS

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>PICTURE</th>
<th>DESCRIPTION/TYPE</th>
<th>WV-SV279A/379A</th>
<th>WV-SV267A/367A</th>
<th>WV-SPH010A/300A</th>
<th>WV-SPH010A/300A</th>
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<tbody>
<tr>
<td>WV-Q120A</td>
<td>Outdoor Adapter Box</td>
<td>Included</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td></td>
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<tr>
<td>PUMB</td>
<td>Indoor/Wall Universal Camera Mount</td>
<td>Included</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td></td>
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<tr>
<td>PO8DCF</td>
<td>Outdoor/Preant 6&quot; Outdoor Dome Housing for Fixed Camera with Preant Mount – Black/White</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>PO8DCWF</td>
<td>Outdoor/Wall 6&quot; Outdoor Dome Housing for Fixed Camera with Wall Mount – Clear/Black</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>POH1100</td>
<td>Outdoor/Wall 10&quot; Outdoor Housing Wall Mount Included</td>
<td>Yes</td>
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<tr>
<td>POH1100HB</td>
<td>Outdoor/Wall 10&quot; Outdoor Housing with Heater and Blowers Wall Mount Included – Black/White</td>
<td>Yes</td>
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<tr>
<td>POH1100NWE</td>
<td>Outdoor/Wall 10&quot; Outdoor Housing with Heater and Blowers with PoE Plus Wall Mount Included – Black/White</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>POH1100NWM</td>
<td>Outdoor/Wall 10&quot; Outdoor Housing with Heater and Blowers with PoE Plus with Matic Wall Mount Included – Black/White</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>PACA4</td>
<td>Outdoor Pole Mount Adaptor</td>
<td>PAPM4-Black, PAPM4B-Beige</td>
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<tr>
<td>PEHV1000</td>
<td>Indoor/Corner Elevator Housing/Brackets (Door/Window Glass Panel)</td>
<td>Yes</td>
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<tr>
<td>PEHV1000138</td>
<td>Indoor/Corner Elevator Housing/Brackets (Door/Window Glass Panel) Includes WV-0718 camera</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<th>MODEL NO.</th>
<th>PICTURE</th>
<th>DESCRIPTION/TYPE</th>
<th>WV-SPH010A/300A</th>
<th>WV-SPH010A/300A</th>
<th>WV-SPH010A/300A</th>
<th>WV-SPH010A/300A</th>
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<tr>
<td>WV-Q120A</td>
<td>Outdoor Adapter Box</td>
<td>Included</td>
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<td>Yes</td>
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<tr>
<td>PUMB</td>
<td>Indoor/Wall Universal Camera Mount</td>
<td>Included</td>
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<td>Yes</td>
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<td>PO8DCF</td>
<td>Outdoor/Preant 6&quot; Outdoor Dome Housing for Fixed Camera with Preant Mount – Black/White</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>PO8DCWF</td>
<td>Outdoor/Wall 6&quot; Outdoor Dome Housing for Fixed Camera with Wall Mount – Clear/Black</td>
<td>Yes</td>
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<td>POH1100</td>
<td>Outdoor/Wall 10&quot; Outdoor Housing Wall Mount Included</td>
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<td>POH1100HB</td>
<td>Outdoor/Wall 10&quot; Outdoor Housing with Heater and Blowers Wall Mount Included – Black/White</td>
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<td>POH1100NWE</td>
<td>Outdoor/Wall 10&quot; Outdoor Housing with Heater and Blowers with PoE Plus Wall Mount Included – Black/White</td>
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<td>POH1100NWM</td>
<td>Outdoor/Wall 10&quot; Outdoor Housing with Heater and Blowers with PoE Plus with Matic Wall Mount Included – Black/White</td>
<td>Yes</td>
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<tr>
<td>PACA4</td>
<td>Outdoor Pole Mount Adaptor</td>
<td>PAPM4-Black, PAPM4B-Beige</td>
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<td>PACA4B</td>
<td>PAPM4-Black, PAPM4B-Beige</td>
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<td>PEHV1000</td>
<td>Indoor/Corner Elevator Housing/Brackets (Door/Window Glass Panel)</td>
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<tr>
<td>PEHV1000138</td>
<td>Indoor/Corner Elevator Housing/Brackets (Door/Window Glass Panel) Includes WV-0718 camera</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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### Compatibility Charts

#### Varifocal Lenses for HD Cameras

<table>
<thead>
<tr>
<th>Size</th>
<th>Model No.</th>
<th>Picture</th>
<th>Company</th>
<th>Focal Length (mm)</th>
<th>Aperture Ratio @ Wide</th>
<th>Auto Iris</th>
<th>WV-SW115/ SW110/ SF100</th>
<th>WV-SW115/ SW110/ SF130</th>
<th>WV-SW115/ SF130</th>
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<tbody>
<tr>
<td>1/3&quot;</td>
<td>PLAMP2206</td>
<td></td>
<td>Fujinon</td>
<td>2.2~6.0</td>
<td>F1.3</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>1/3&quot;</td>
<td>PLAMP2406</td>
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<td>Tamron</td>
<td>2.4~6.0</td>
<td>F1.2</td>
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<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>1/3&quot;</td>
<td>PLAMP2808</td>
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<td>Fujinon</td>
<td>2.0~8.0</td>
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<td>Yes</td>
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<td>1/2&quot;</td>
<td>PLAMP0722</td>
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<td>Ricom</td>
<td>7.8~22.0</td>
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<td>1/3&quot;</td>
<td>PLZ15/33</td>
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#### M12 Lenses for HD Cameras

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<th>Size</th>
<th>Model No.</th>
<th>Picture</th>
<th>Company</th>
<th>Focal Length (mm)</th>
<th>Aperture Ratio @ Wide</th>
<th>Auto Iris</th>
<th>WV-SW115/ SW110/ SF100</th>
<th>WV-SW115/ SW110/ SF130</th>
<th>WV-SW115/ SF130</th>
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<tr>
<td>1/3&quot;</td>
<td>PLM12MP028/1</td>
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<td>Evetar</td>
<td>2.0</td>
<td>F2.0</td>
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<td>Yes</td>
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<td>Yes</td>
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<tr>
<td>1/3&quot;</td>
<td>PLM12MP040/1</td>
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<td>Evetar</td>
<td>6.0</td>
<td>F1.8</td>
<td>No</td>
<td>Yes</td>
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<td>Yes</td>
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<td>1/3&quot;</td>
<td>PLM12MP120/1</td>
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<td>F1.8</td>
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#### Varifocal Lenses for SD Cameras

<table>
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<tr>
<th>Size</th>
<th>Model No.</th>
<th>Picture</th>
<th>Company</th>
<th>Focal Length (mm)</th>
<th>Aperture Ratio @ Wide</th>
<th>Auto Iris</th>
<th>WV-CW434 SERIES</th>
<th>WV-CP300 SERIES</th>
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<tbody>
<tr>
<td>1/2&quot;</td>
<td>PLAH51770</td>
<td>Fujinon</td>
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<td>1/3&quot;</td>
<td>WZ-LZA41/25</td>
<td>Panasonic</td>
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<td>1/3&quot;</td>
<td>WZ-LZ26/85</td>
<td>Panasonic</td>
<td>5.0~50.0</td>
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<td>1/3&quot;</td>
<td>PLA22T3DN</td>
<td>Tamron</td>
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<td>F1.2</td>
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<td>1/3&quot;</td>
<td>PLZ27/SDN</td>
<td>Fujinon</td>
<td>2.9~13.5</td>
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<td>1/3&quot;</td>
<td>PLZ29/27</td>
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<td>1/3&quot;</td>
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<td>1/3&quot;</td>
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</table>
### Compatibility Charts

#### Ready-to-go Packages

<table>
<thead>
<tr>
<th>Camera</th>
<th>Lens</th>
<th>Housing</th>
</tr>
</thead>
<tbody>
<tr>
<td>WV-CW634F</td>
<td>WV-CW634F</td>
<td>Factory 3.8-8mm</td>
</tr>
<tr>
<td>WV-CW634F/09</td>
<td>WV-CW634F</td>
<td>FLAMP0722 7-22mm</td>
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<tr>
<td>WV-CW634F/15</td>
<td>WV-CW634F</td>
<td>PLZ76/133 15-50mm</td>
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<tr>
<td>WV-CW634F/22</td>
<td>WV-CW634F</td>
<td>FLAMP2224 2.2-6mm</td>
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<tr>
<td>WV-CW634G</td>
<td>WV-CW634G</td>
<td>Factory 3.8-8mm</td>
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<td>WV-CW634G/09</td>
<td>WV-CW634G</td>
<td>FLAMP0722 7-22mm</td>
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<td>WV-CW634G/15</td>
<td>WV-CW634G</td>
<td>PLZ76/133 15-50mm</td>
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<td>FLAMP2224 2.2-6mm</td>
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#### Ready-to-go Packages (Cont.)

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<th>Camera</th>
<th>Lens</th>
<th>Housing</th>
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<tbody>
<tr>
<td>POC314L2</td>
<td>WV-CP134</td>
<td>FLAMP2812 2.8-12mm</td>
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<tr>
<td>POC314L5</td>
<td>WV-CP134</td>
<td>PLZ28/10 5.0-50mm</td>
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<tr>
<td>POC634L2</td>
<td>WV-CP634</td>
<td>FLAMP2812 2.8-12mm</td>
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<tr>
<td>POC634L5</td>
<td>WV-CP634</td>
<td>PLZ28/10 5.0-50mm</td>
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<td>POCSPN311L2</td>
<td>WV-SPN011A</td>
<td>FLAMP2812 2.8-12mm</td>
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<td>POCSPN311L5</td>
<td>WV-SPN011A</td>
<td>FLAMP5530 5.0-50mm</td>
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<td>POCSPWN531LMP05</td>
<td>WV-SPNK31</td>
<td>FLAMP5530 5.0-50mm</td>
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<td>POCSPWN531LMP24</td>
<td>WV-SPNK31</td>
<td>FLAMP2406 2.4-6.0mm</td>
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### COMPATIBILITY CHARTS

#### MONITORS

<table>
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<tr>
<th>MODEL</th>
<th>TYPE</th>
<th>INFO</th>
<th>IMAGE</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>PLCD9C</td>
<td>Monitors</td>
<td>LCD Monitors</td>
<td>![Image]</td>
<td>9” LCD monitor, 800 x 600</td>
</tr>
<tr>
<td>PLCD9C/2</td>
<td>Monitors</td>
<td>LCD Monitors</td>
<td>![Image]</td>
<td>2-9” LCD monitor, 800 x 600 with rack mount</td>
</tr>
<tr>
<td>PLCD15V</td>
<td>Monitors</td>
<td>LCD Monitors</td>
<td>![Image]</td>
<td>15” LCD monitor, 1024 x 768, 4:3 aspect ratio, two built-in speakers, 2x BNC input, S-Video input/output, RGB input</td>
</tr>
<tr>
<td>PLCD19P</td>
<td>Monitors</td>
<td>LCD Monitors</td>
<td>![Image]</td>
<td>19” LCD, 1280 x 1024, 5-6 aspect ratio, two built-in speakers, 2x BNC input, S-Video input/output, RGB input</td>
</tr>
<tr>
<td>PLCD24HDA</td>
<td>Monitors</td>
<td>LCD Monitors</td>
<td>![Image]</td>
<td>24” Full HD LCD, 1920 x 1080, 16-9 aspect ratio, two built-in speakers, 2x BNC input, S-Video input/output, RGB input, DVI input, HDMI input</td>
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<tr>
<td>PLCD27HDA</td>
<td>Monitors</td>
<td>LCD Monitors</td>
<td>![Image]</td>
<td>27” Full HD LCD, 1920 x 1080, 16-9 Aspect Ratio, two built-in speakers, 2x BNC input, S-Video input/output, DVI input, HDMI input</td>
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<tr>
<td>PLCD42HDA</td>
<td>Monitors</td>
<td>LCD Monitors</td>
<td>![Image]</td>
<td>42” Full HD LCD, 1920 x 1080, 16-9 aspect ratio, two built-in speakers, 2x BNC input, S-Video input/output, DVI input, HDMI input, pedestal stand</td>
</tr>
<tr>
<td>PRMK08</td>
<td>Monitors</td>
<td>Accessories</td>
<td>![Image]</td>
<td>Rack mount kit for PLCD15V, PLCD20P monitors</td>
</tr>
</tbody>
</table>

#### NEW NETWORK CAMERA MODEL NUMBER FORMAT

- **W**: Weather Resistant
- **V**: Vandal
- **S**: Subcategory
- **C**: Pan/Tilt/Zoom (Combination)
- **T**: Pan/Tilt
- **F**: Fixed Dome
- **P**: Conventional Box
- **R**: Rugged (Indoor Vandal)
- **U**: Up Tilt
- **N**: Indoor
- **D**: Durability
- **L**: LED
- **M**: M12 Connector
- **1**: 1 Series
- **3**: 3 Series
- **4**: 4 Series (360°)
- **5**: 5 Series
- **6**: 6 Series
- **7**: 7 Series
- **0**: SVGA/VGA
- **1**: 720p/1MP
- **3**: 1080p/2-3MP
- **8**: 4K/8MP (TBD)

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Your Full-service Partner in Surveillance

Transforming surveillance system solutions from concept to completion requires the utmost attention to detail throughout every phase of the process. You can trust Panasonic to be your single-source provider for all your facility’s needs, from system design to installation to post-implementation support. Offering seamless integration, superior cost efficiency and increased ROI, we will configure your surveillance system to best fit your requirements and budget, while offering a fully integrated solution with the best third-party partners in the business. Plus, Panasonic’s product warranty and service network ensure your system will continually perform to its highest expectations for years to follow.

Panasonic Security Services

Design and Build

- Needs assessment
- System design
- Third-party integration

Hardware and software

Customer training

Installation Support with Trusted Partners

- On-site / remote technical support

System Implementation with SI Partners

Post-implementation Support

- Extended warranties are available