

An aerial photograph of the Chicago skyline at sunset. The sun is low on the horizon, casting a warm orange and yellow glow over the city. The Willis Tower is the most prominent building in the center. Other skyscrapers are visible, some with their lights on. The Chicago River flows through the city, and the Lake Michigan is visible in the distance. The sky is filled with soft, white clouds.

ii-PRO

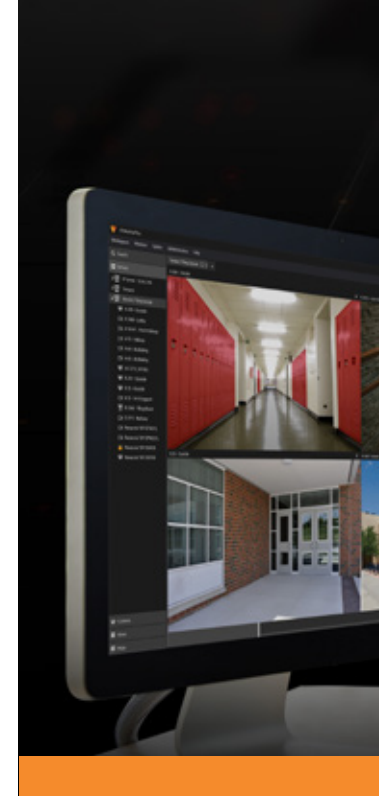
VIDEO SURVEILLANCE CATALOG
SPRING 2020

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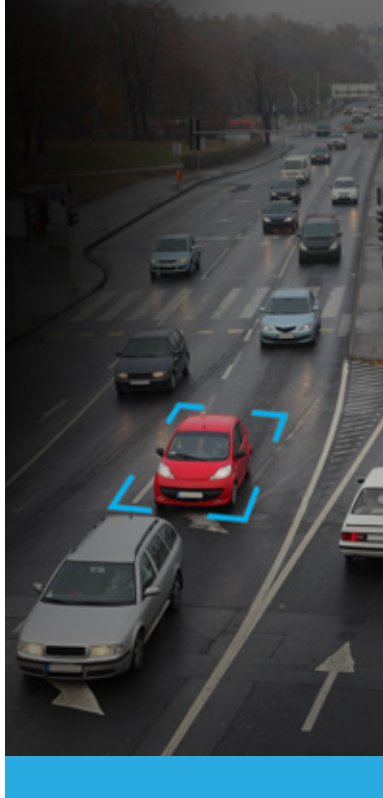
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Why work with us?

We provide industry-leading solutions to capture, record, manage and analyze surveillance video. We offer a complete comprehensive lineup of video surveillance products and solutions with the highest image quality, mission-critical reliability and the lowest total cost of ownership in the industry.

Our goal is simple: to make your life easier. We've reengineered our hardware and software into a plug and play platform that delivers enhanced point-to-point data security and enterprise level management all wrapped in powerful, intuitive applications.

5YEAR WARRANTY

5-year warranty

All New i-PRO Extreme cameras and NX Series recorder come with 5-year warranty.

VIDEOINSIGHT UNLIMITED LICENSE

Video Insight

I-PRO cameras come bundled with Video insight VMS license

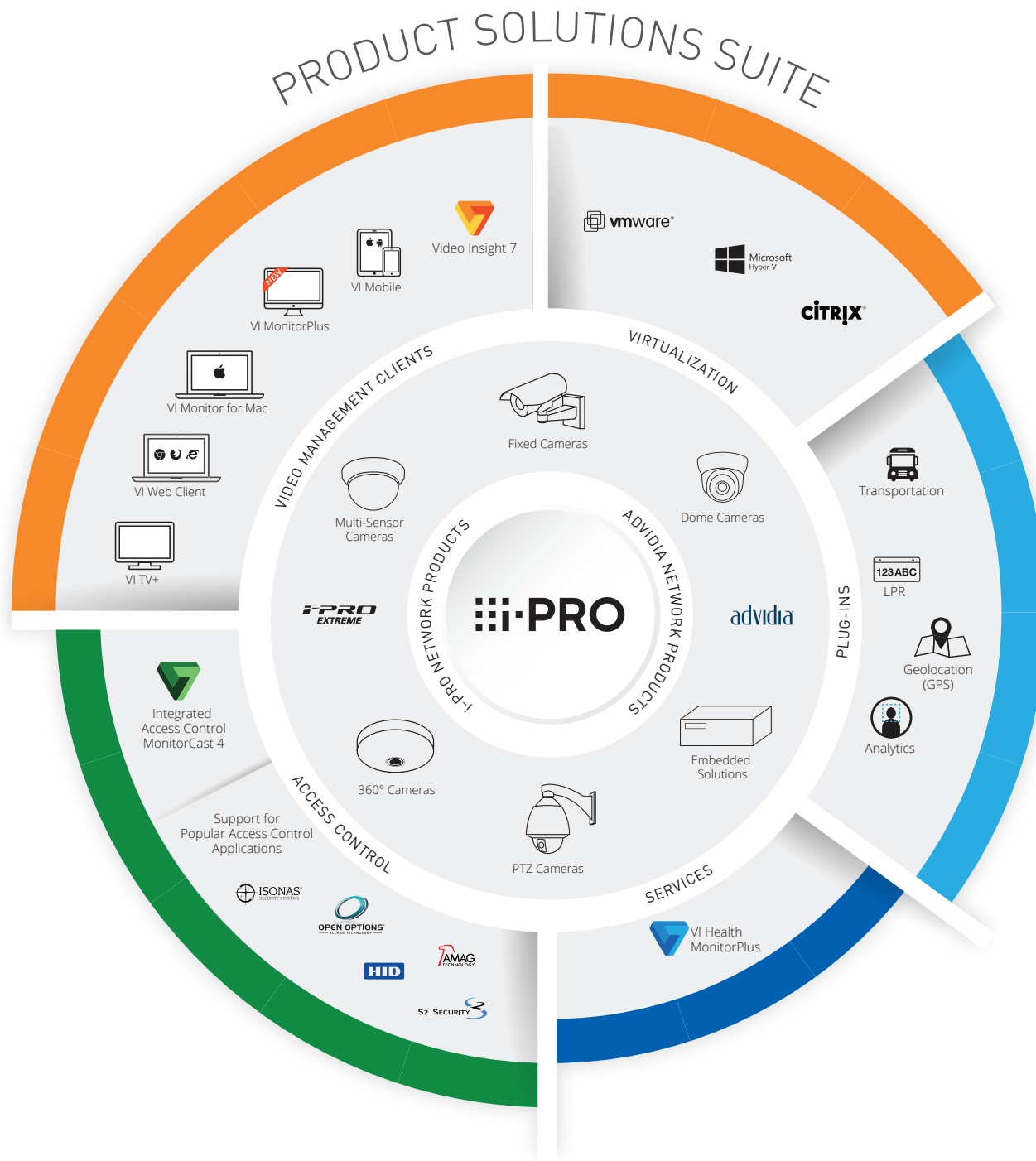


Priority Advanced Exchange

Receive advanced replacement units shipped the same day with overnight delivery
(Gold & Diamond Partners)

Panasonic

An Imaging Solution Provider



WHY WORK WITH US?

The New Video Insight 7

Video Insight 7 is a powerful yet easy-to-use enterprise Video Management platform that allows organizations in education, law enforcement, healthcare, commercial, and transportation the ability to deploy a customized and robust security surveillance system. New to version 7 is enhanced functionality with our new plug-in architecture which allows even greater scalability and improved feature sets.



CLIENTS



VI Monitor PLUS



VI Web Client



VI Monitor for Mac



VI Mobile



VI TV+

Unparalleled benefits with the New Video Insight 7!

Lower Total Cost of Ownership (TCO)

Affordability, flexibility and a simple licensing model are what sets Video Insight apart from the rest – we provide the most cost-effective enterprise class VMS solution on the market.

The enterprise VMS features you love

The Video Insight VMS has a wide range of robust features you'd expect to find in an enterprise-level software. Health Monitor, automated failover, unlimited clients and users, and active directory/LDAP integration are included.

Scale your system without limitations

Our pure 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.

World-class U.S. based support

We pride ourselves on being able to assist you in your time of need in a timely manner. We guarantee a callback within one hour or less.

Wide range of supported cameras

Video Insight 7 is an open platform that supports over 4,000 camera models from more than 150 manufacturers.

License Included with i-PRO / ADVIDIA Cameras

Each i-PRO and ADVIDIA camera is bundled with the Video Insight VMS, requiring no camera licensing or support fees.

Competitive Upgrade Program (CUP)

The Competitive Upgrade Program (CUP) allows you to transition away from your current enterprise VMS solution to VI at a fraction of the cost. [CUP] allows you to retain your hardware investments while lowering your TCO through the elimination of annual software costs, and support fees.

Making the most of existing legacy systems

Video Insight easily integrates with your existing systems, including access control and building management. Our robust SDK and API make it easy to maintain a single interface and manage all systems from a centralized console.

KEY FEATURES

Streamlined Client (VI MonitorPlus)

With an intuitive UI Video Insight's main client empowers its users with great functionality, customization, and control all designed with efficiency in mind.

Included Access Control (MonitorCast)

MonitorCast is an enterprise access control application that is fully integrated with VI7. The two platforms work together seamlessly, forming a unified security solution. MonitorCast is easy to use, highly expandable, includes a browser-based management UI, rules manager, realtime reporting, and fully integrated with active directory.

H.265 Support

H.265 is supported for live video streaming, playback, clipping, and snapshot creation. VI users can benefit from H.265's improved bandwidth and storage efficiencies all without sacrificing image quality.

Expanded Functionality Via New Plugin Architecture

Video Insight's plugin based architecture allows users to expand the functionality of their surveillance system with features designed to meet challenges specifically faced in their vertical. Plugins include vehicle tracking plus recording, LPR, and facial recognition (FacePRO).

PLUG-INS MODULE

New Plug-in architecture enhances the capability of Video Insight 7 and adds greater scalability and improve feature sets. New plug-ins include - Analytics, Transportation, Geolocation, LPR, Gun detection and more.



Analytics



Transportation



License Plate Recognition



Gun Shot Location Detection ¹



Vape Detection ²

1- Integration with Databuoy shotpoint

2- Integration with IP Video Corp



IP Server

The IP Server is the hub of Video Insight communicating directly with cameras by requesting images, forwarding images to clients, and saving them for review. Video Insight runs on all Windows platforms including virtualized environments. The server can be configured as a standalone server supporting up to 400 cameras or as part of a group of servers supporting an unlimited number of cameras.

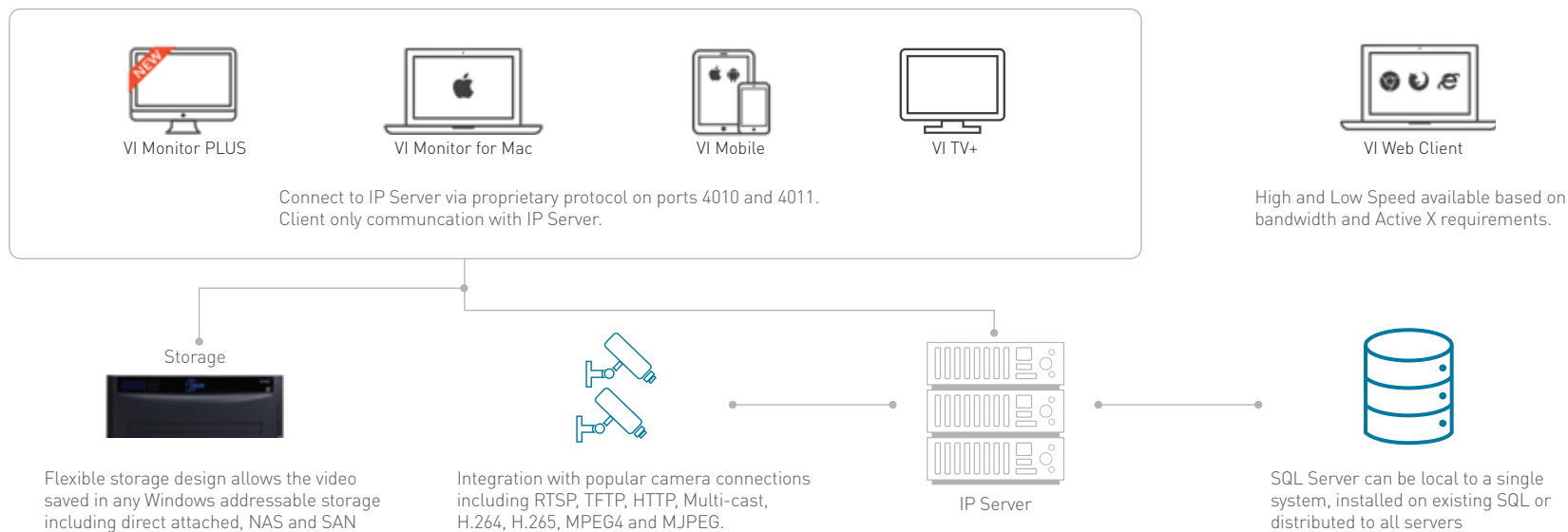
Key Benefits

- Designed for large camera deployments – multi-server, multi-location
- Open Platform allows easy integration and is SQL Server based.
- Supports camera- and server-side motion detection
- Automated Failover Integrates with Active Directory users and groups.

Storage

- Support for local, direct attached, SAN / NAS
- Dell Compellent & EMC2 Isilon
- D-Link, Veracity Coldstore

NOTE: Preloaded Video Insight NVRs Include Enterprise Server License (IPSVSE-UL)





Never miss a system failure again!

VI Health MonitorPlus is an on-premise monitoring application designed to offer visibility to your security platform, ensuring mission-critical infrastructure is always running at optimal conditions. It provides an easy to use interface, with real-time monitoring of resources, that alerts administrators of any issues and system failures.



Easy to use Dashboard



Email Alerts



Accessible from anywhere



Encrypted Communication for secure access

FEATURES

Track Server and Camera Health Availability

VI Health MonitorPlus provides detailed information over the health of your site's cameras along with the CPU, Memory, and Storage usage of each server being monitored.

Receive Email Notification Alerts

In the event of inactive cameras or unresponsive servers, VI Health MonitorPlus will notify any designated user in real-time, alerting them about the issue, and minimizing downtimes.

Generate Customizable Reports

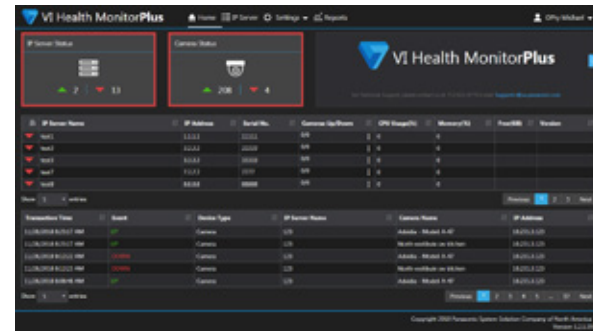
VI Health MonitorPlus provides its users with the ability to generate Audit Reports based on date ranges, allowing users to quickly identify trouble spots.

Scalable Monitoring

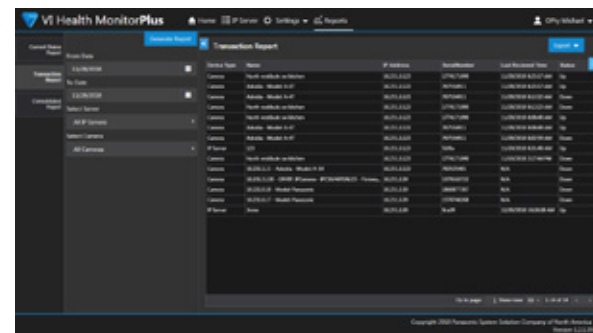
Due to its unique architecture, VI Health MonitorPlus can grow and scale based on your needs, no matter the configuration.

Accessible anytime, anywhere

No matter where you are, you can keep tabs on the health and status of multiple sites through any major web browser of your choice.



Dashboard - Provides an overview of the health of the entire security system



Transaction Report - Users can generate reports based on date ranges to quickly identify trouble spots

Centralized visibility of your security system health to help minimize system failures

- Helps ensure the health of your security platform
- Easy intuitive dashboard
- Real-time information and alerts to help identify and resolve failure faster
- Centrally monitor security platform from anywhere
- User authentication via SSL encrypted communication for secure access

SYSTEM REQUIREMENTS

On-Premise Low Tier – v1.2.1

- 8 GB Memory
- 4 Core Machine
- 500 GB Hard Drive
- Windows Server 2016
- SQL Server 2017 Express
- Supports 150 Servers and up to 7500 Cameras, 10+ Concurrent Users

MonitorCast 4

MonitorCast 4 is an enterprise access control application that comes integrated with the Video Insight 7 to provide a seamless unified security solution. It is designed to help security officials increase readiness and respond to incidents faster. The application does not require additional software installation or client license fees.



Simple Dashboard Displays Door Alarms on the Facility Map
Plot out your alarms visually using Map Based Alarms, providing real-time door alarms using the VI Monitor client access control map interface.

KEY FEATURES

Multi-Site Support

- Perfect for large multi-location facilities such as, government buildings, school districts, office branch locations, and even sporting arenas.
- Provides the ability to partition controllers between multiple primary and secondary sites.
- Each site contains independent controllable hardware, cardholders, and schedules all managed in one central console.

Built-in Rules Manager

- Reader/Door Rules
- I/O triggers
- Access Denied/Granted
- Reader Override
- Keypad Duress and Output triggers
- Email Notifications

Scheduling Support

- Easily add or modify all schedule types
- Custom Holiday Scheduling a year in advance
- Advanced Scheduling for special days or events
- Snow day to override all door schedules

Panic Buttons

- Proactively protect any facility with Panic Buttons. These programmed input devices can easily lock down a facility and override all door schedules.

Database Trimmer

- Provides the ability to limit the time frame of records kept within MonitorCast's database.
- Provides greater stability and usability to the platform.
- Helps DB admins and fellow users reduce the size of unwanted/expired information being stored in the database.

Card Access Management and Easy Enrollment

- Assign cards directly from the dashboard.
- Provides the ability to granularly assign individual card types to controllers, no matter if you are using 26bit card or another format entirely.
- Easily Enroll a Readers' configuration
- Simply assign a card with a quick scan which opens the Personnel Enrollment page linked to Card's Number.

Card Format Discovery Support

- With a simple scan of any card MonitorCast 4 can provide exact Card Format information. Info such as card Facility Code assignment or card Enrollment status.
- Allows for easy Formatting, Assignment, and Retrieval of lost or stolen cards.

Customizable Reports

- Automated email reports
- MonitorCast 4 empowers its users with

an array of customizable reports which are exportable directly from its UI.

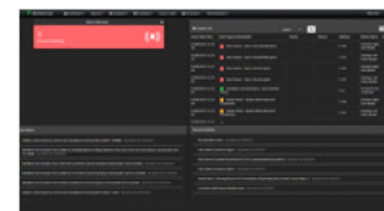
- File formats for reports: PDF & XLS (Via VI MonitorPlus).
- Reader Access Reports (provides data on access to specific door: name, & access level).
- User and Card History
- Time & Attendance
- Personnel Area

Active Directory and CSV Import utilities

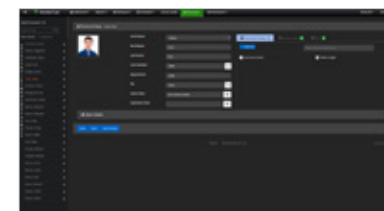
- Unify your IT infrastructure by centralizing your configuration and personnel management database.
- By using Active Directory, system administrators can import individual personnel or groups efficiently.
- Active Directory & CSV import include Emails, Names and Phone numbers.
- Import Personnel Photo from Local Path.
- Personnel Activation Date/Deactivation Date.
- (Active Directory Sync functionality coming soon).

Other Integrators

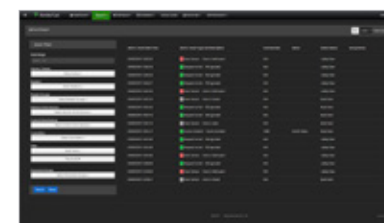
- Schlage NDE/LE Wireless Lock Support
- Altronix LINQ Integration



Custom Dashboard



Easy User Import & Creation



Customizable System Reports

MERCURY HARDWARE

MonitorCast 4 is designed to support genuine Mercury hardware, making it easy to utilize most boards from existing installations without any modifications.

CONTROLLER	TYPE	PRIMARY POWER	READERS	INPUTS	OUTPUTS	ADDITIONAL FEATURES
MERCURY-LP4502	Intelligent Controller	12-24VDC +/- 10%, 150mA Max	2	8 Standard Inputs	4 Relays: Form C, 5A 30Vdc	Scalable up to 64 doors
MERCURY-LP2500	Intelligent Controller	12-24VDC +/- 10%, 150mA Max	0	0 Inputs	0 Relays	Scalable up to 64 doors
MERCURY-LP1501	Intelligent Controller	PoE @ 12.95W or 12Vdc	2	2 Standard Inputs	2 Relays: Form C, 2A @ 30Vdc	Scalable up to 17 doors
MERCURY-LP1502	Intelligent Controller	12-24VDC +/- 10%, 150mA Max	2	8 Standard Inputs	4 Relays: Form C, 5A 30Vdc	Scalable up to 64 doors
MERCURY-MR50-S3	Sub-Controller	12-24VDC +/- 10%, 150mA Max	1	2 Standard Inputs	1 Relay: 5A 30Vdc	Requires 485 Communication
MERCURY-MR62e	Sub-Controller	PoE @ 12.95W or 12Vdc	4	6 Standard Inputs	4 Relays: Form C, 2A @ 30Vdc	Network Communication
MERCURY-MR52-S3	Sub-Controller	12-24VDC +/- 10%, 150mA Max	2	8 Standard Inputs	6 Relays: Form C, 5A 30Vdc	Requires 485 Communication
MERCURY-MR16i-S3	Sub-Controller	12-24VDC +/- 10%, 150mA Max	0	16 Standard Inputs	2 Relays: Form C, 5A 28Vdc	Requires 485 Communication
MERCURY-MR16o-S3	Sub-Controller	12-24VDC +/- 10%, 150mA Max	0	0 Inputs	16 Relays: Form C, 5A 28Vdc	Requires 485 Communication

Licensing: The application is licensed on a "per door" basis and a numeric license is required and specifies the number of doors allowed to run on each MonitorCast 4 installation. In addition, licenses are specific to the server and hardware used on a single box. If needed, additional doors can be added a la carte. Lastly, all licenses have no recurring fees with a current Video Insight SUP agreement or Advidia products.

FacePRO

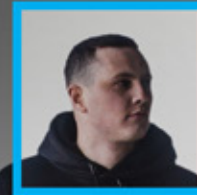
FacePRO™ Facial Recognition System now with Deep Learning Technology

FacePRO™ Facial Recognition Solution automatically compares a person's face using live or recorded video from Panasonic i-PRO cameras to a database of registered faces, triggering alerts and notifications when a match occurs.

It provides real-time processing capacity of up to 20 cameras per server and can execute high-speed searches of up to 30,000 registered reference faces.

Key Features

- Automatically recognizes a subject's face using live or recorded video.
- High Accuracy - Top-tier facial recognition engine evaluated by NIST. A unique algorithm utilizing Deep Learning technology enables recognition in severe conditions, such as partially hidden faces with sunglasses or masks, angled faces or faces changed by aging.
- "Best-shot" Analytic Technology helps reduce bandwidth and server loads, lowering the total cost of ownership.
- Up to 20 cameras on a server, expandable to 2,000 total cameras with Multiple Server configuration.
- Enrollment of 30,000 faces into a Watch List with optional license.
- Face Matching Alarm triggers events on VMS.



Angled Face
Left/Right $\pm 45^\circ$ | Up/Down $\pm 30^\circ$

Sunglasses

Surgical Mask

KEY FUNCTIONS INCLUDE

Real-time Face Matching

- When a match is made to a registered person's face, an alarm is triggered accompanied by pop-up window which is displayed on a viewing client.
- Click to playback video for immediate review of the person's behavior before and after the face alarm or search.

Face Search

- Search faces by time, date, or face thumbnails gathered from all cameras.
- By sorting search results by time and date, a suspect's activities can be traced.
- Quickly register any thumbnails from search result to your watch list with a few clicks of the mouse.

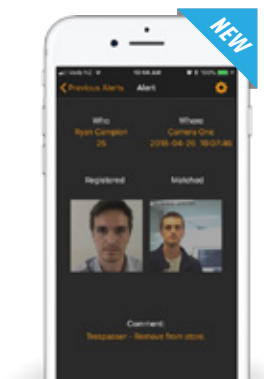
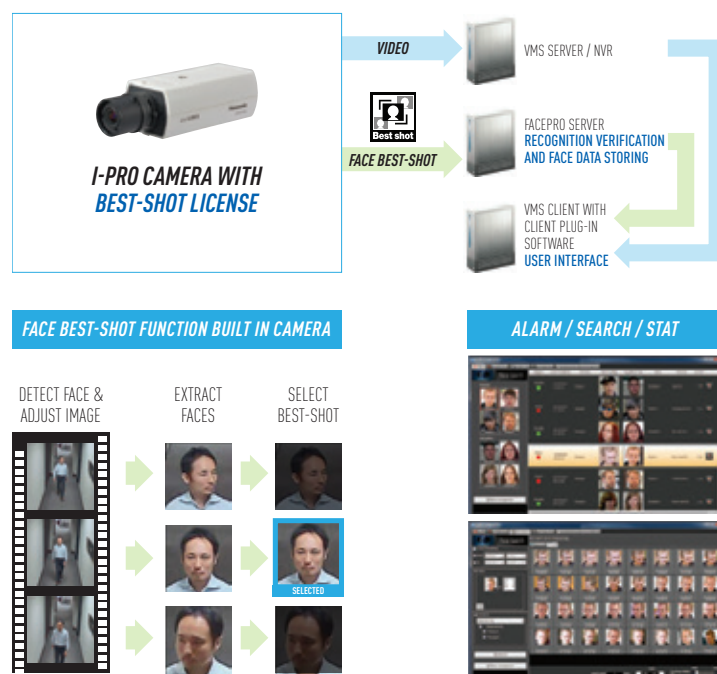
Age & Gender stats

- Generate detailed reports consisting of, people counting figures along with age and gender estimates.
- Display report results through statistical graphs which can help analyze the trend of visitors.
- The statistical data can be downloaded as a CSV file for further analytical use.

NEW Unregistered Face Detection

- When a person is captured who is not in the permission list, an alarm is triggered.
- You can define areas and assign different watchlists. It's to get alarm by access permission by area.

SYSTEM DIAGRAM



FACE ALERT MOBILE APP

Brings FacePRO facial recognition technology to the palm of your hands.

- Receive notification of face matching alert.
- View the history of face matching alerts
- Register a face and show a registered faces

- Compatible VMS: Video Insight V7.2 or later / WV-ASM300 / Genetec Security Center V5.4 or later / Milestone XProtect Corporate 2019 R2(13.2a) or later
- Up to 20 cameras can be connected to a server with option license WV-ASFE901W/ASFE904W
- Up to 30K face can be registered to a watch list with option license WV-ASFE951W
- For more detailed information, visit our web site: security.us.panasonic.com/technologies/facepro
- Recommended camera: WV-S6130, S2531LTN, S1131, S1111

LINE UP

MODEL NUMBER		PRODUCT NAME	NOTE
Server	SRV-R-FPRO-4C-1TB	Facial Recognition Kit Server (Server Software is pre-installed)	Including: -4ch Camera license -10K face registration license
	WV-ASF950W	Facial Recognition Server Software (Software only)	
Additional license	WV-ASFE951W	Additional Face Registration Kit	Add 10K face registration per license
	WV-ASFE901W	Additional Camera Kit	Add 1ch Camera license
	WV-ASFE904W		Add 4ch Camera license
Client Plug-in	WV-ASE231W	Client Plug-in Software	1 Client per license
Mobile App	FPRO-BS01-AP	FaceAlert App Base License	Per system
	FPRO-BS01-AP-1Y	FaceAlert App Annual Maintenance License	

Vehicle Search Solution

Vehicle Search technology is designed to help Law Enforcement officers improve their efficiency by reducing the time needed to search and identify a target vehicle with minimal, vague or generic information.

Key Features

■ Real-time Vehicle Recognition

Achieved through Deep Learning technology.

■ Identify vehicles faster

Vehicle search based on specific key parameters like: color, type, camera location or moving direction.

■ Reduce detection time

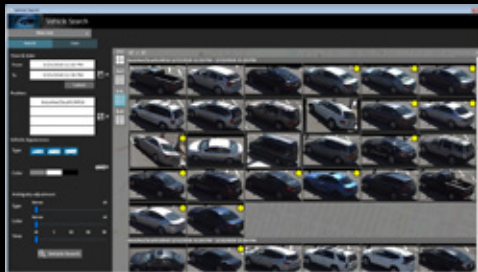
Searched vehicles are shown on the map with their moving directions.

■ Reduce costs with scalable system

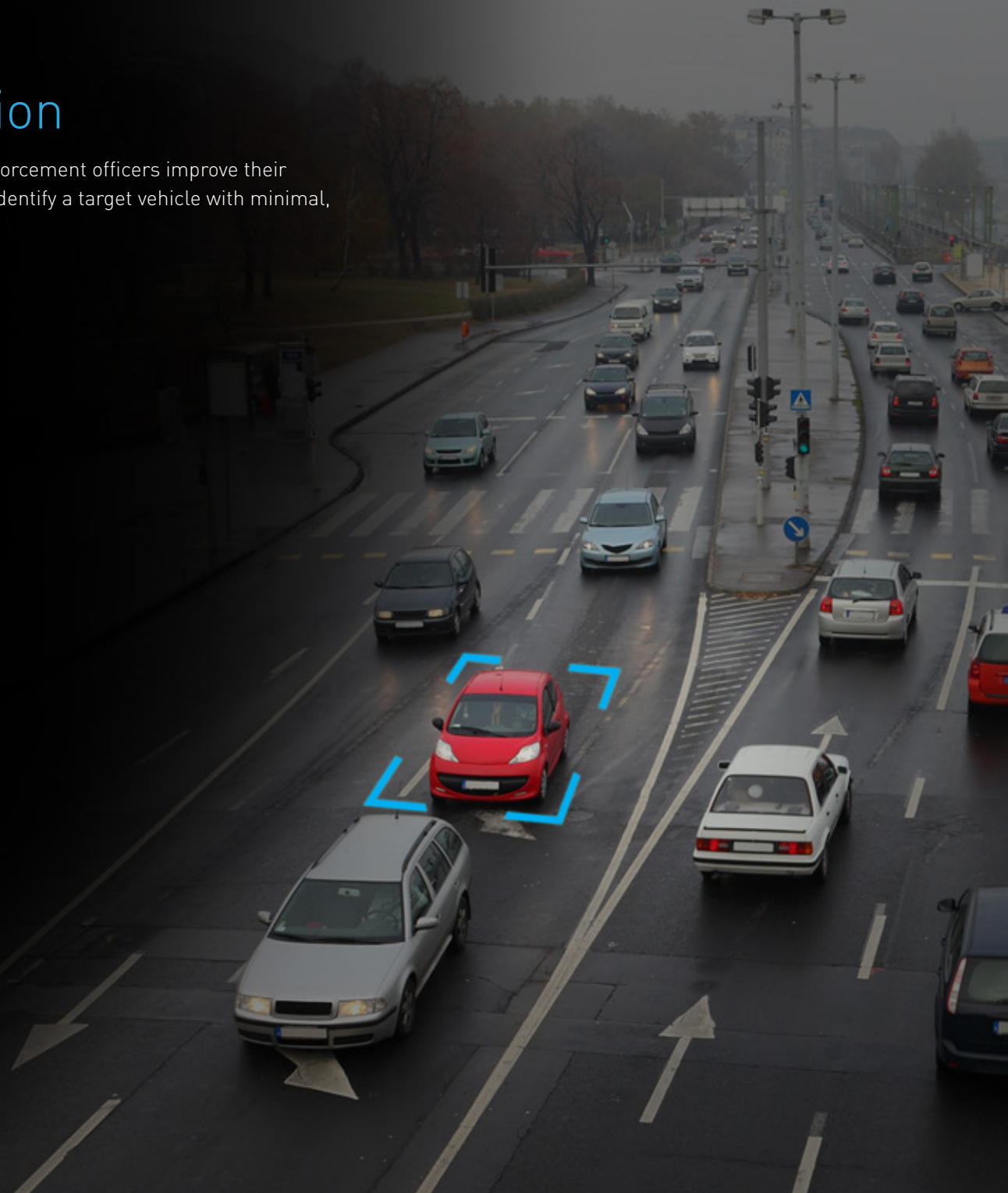
Up to 20 cameras supported per server, helping minimize total system cost.

■ Sharing and reviewing incidents made simple!

Search results can be shared with onsite officers and witnesses for immediate review.



Dashboard makes the process of searching for suspect vehicles simple – select vehicle color or style.



KEY FUNCTIONS INCLUDE

Vehicle Search

Vehicles can be searched and narrowed down by time, date, camera location, 6 vehicle types, 10 vehicle colors and up to 16 moving directions.

Map Display

- Target area can be easily selected on an online map
- Selected vehicle's moving direction is shown on the map to narrow down on the target.

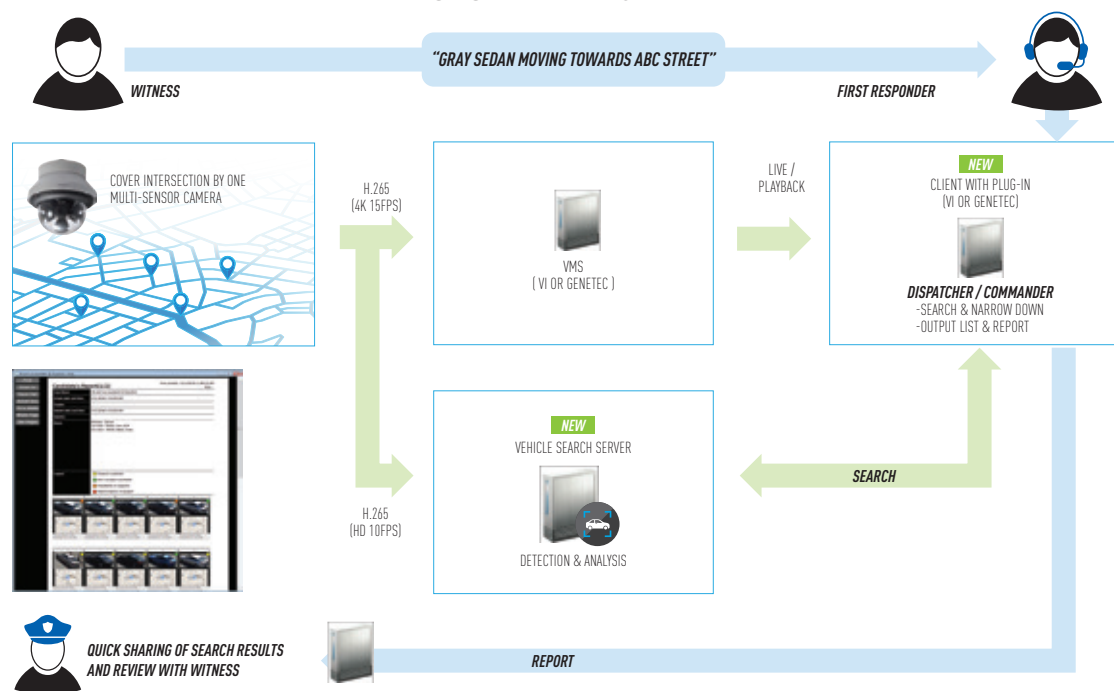
Reporting

Pick out suspicious vehicles from the search result and create "candidate report" to share the info with on-site officers and witness to review and narrow down the options

Seamless Operation to Playback

The GUI is fully integrated with the VMS making transitioning to playback operation smooth, allowing a user to quickly check all needed information relating to a target.

SYSTEM DIAGRAM



- Compatible VMS: VideoInsight V7.4 or later / Genetec Security Center V5.7 or later
- Compatible Camera: i-PRO Extreme series. Refer to the security.us.panasonic.com/i-pro

- Up to 20 cameras can be connected to a server with option license WV-ASVE104W/ASVE101W

LINE UP

	MODEL NUMBER	PRODUCT NAME	NOTE
Server	WV-ASV100W	Vehicle Search Server Software	4ch Camera License is attached
Additional License	WV-ASVE104W	Additional Camera license	for additional 4ch camera license
	WV-ASVE101W		for additional 1ch camera license
Client Plug-in	WV-ASVC101W	Client Plug-in Software	per client PC
Software Support	WV-ASVM111W	Software Support	per 1 year, per server

Transit Solution

End-to-End Security Solution for Transportation

Panasonic's new Transportation solution provides Security Officials with easy access to recorded video and seamless integration between the Command Center and the Fleet of buses – Never miss the cause of the accident ever again!

Key Features

- Tracks bus activity and location to identify unexpected incidents
- Provides seamless integration with Video Insight 7 for easy monitoring
- Transfers Recorder footage automatically upon arrival at the main station
- Provides Video playback with Geo-location data displayed on a map
- Programmable actions trigger recording (stop sign, door open/close and panic button)

4K
ULTRA HD ENGINE



360° Dome
Network Camera



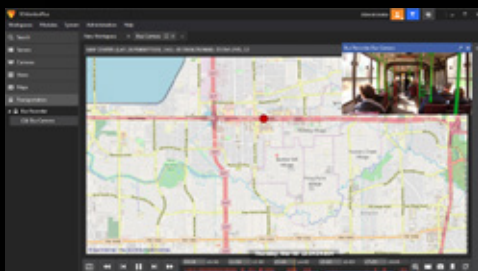
Compact Dome
Network Camera



Rugged Mobile
Network Camera

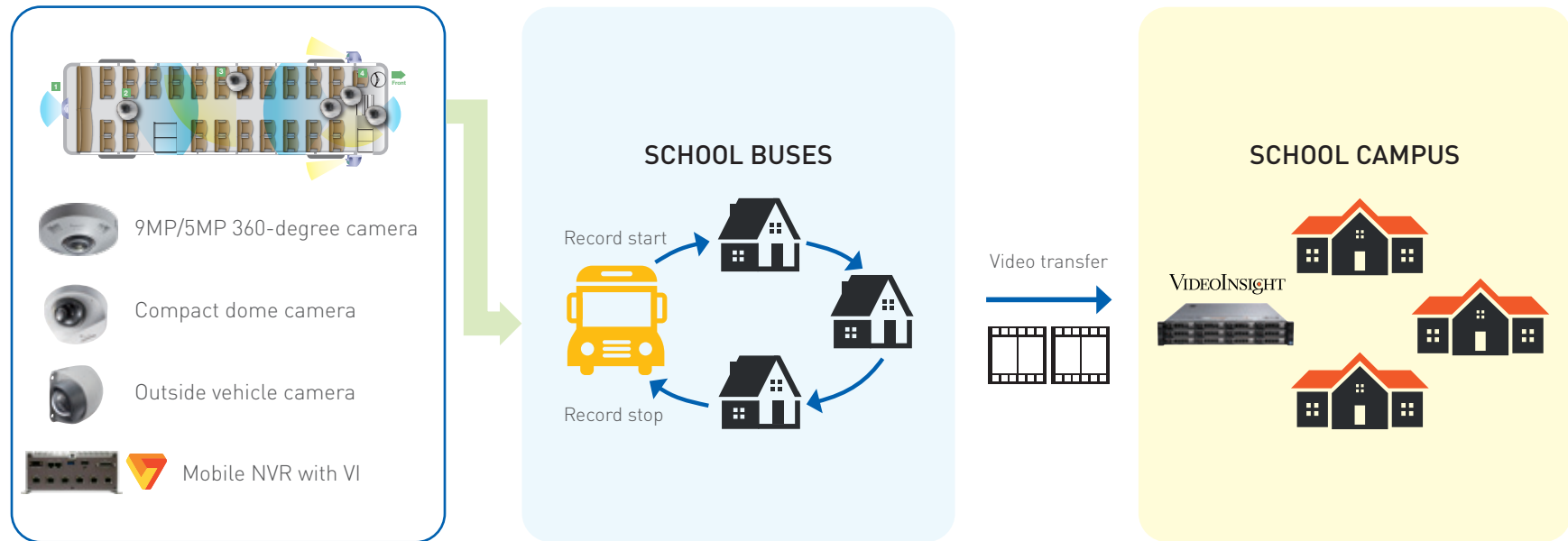


Mobile
Recorder



Client Plug-in Software

SYSTEM OVERVIEW



LINE UP

PRODUCT	SPECIFICATION						MODEL NUMBER	
	CPU	RAM	OS	PoE port	Data slot	Data drive	Without Wi-Fi	With Wi-Fi
Mobile NVR	Intel ATOM E3940	4GB	Win10 IoT	6ch	1	No SSD	MR-6C-AT-K	MR-6C-AT-K-W
						1x 1TB SSD (70 degC)	MR-6C-AT-TL1TB	MR-6C-AT-TL1TB-W
						1x 2TB SSD (70 degC)	MR-6C-AT-TL2TB	MR-6C-AT-TL2TB -W
						1x 1TB SSD (85 degC)	MR-6C-AT-ML1TB	MR-6C-AT-ML1TB-W
						1x 2TB SSD (85 degC)	MR-6C-AT-ML2TB	MR-6C-AT-ML2TB -W

PRODUCT	DESCRIPTION	MODEL NUMBER
Storage drive	1TB SSD	MR-TL1TB (70 degC) / MR-ML1TB (85 degC)
	2TB SSD	MR-TL2TB (70 degC) / MR-ML2TB (85 degC)
License	Transit Solution plug-in software per NVR	PSVS-AD-TRANS-UL

Panasonic i-PRO Network Products



PANASONIC NETWORK PRODUCTS

Panasonic i-PRO cameras are designed for multiple applications and provide a wide range of capabilities, including Enhanced Super Dynamic, High-accuracy Motion Detection, Analytic features, Face Detection, Wide-area Monitoring, and more. All i-PRO cameras include a license for VI MonitorPlus VMS software and are backed by a 5-year warranty.



PTZ Cameras

Panasonic PTZ cameras combine unparalleled image quality with incredible durability and reliability. The perfect security camera for wide-area coverage requiring pan, tilt and zoom capability.



Multi Sensor Cameras

Panasonic's i-PRO Extreme Multi-Sensor cameras capture the highest quality images even in very challenging dynamic environments. These cameras can excel at capturing clear images, even in low light conditions from multiple angles through the use of their four repositionable lenses.



Dome Cameras

Fixed Dome cameras have the power to be more discreet than standard Fixed Network cameras. The Panasonic i-Pro Fixed Dome cameras work well in busy open areas since they can conceal which direction they are pointing while still providing excellent and reliable video.



Fixed Cameras

Panasonic fixed cameras provide a clearly visible, fixed angle of view, making it easy to see exactly where they're pointing and record a precisely defined area.



360 Degree Cameras

Panasonic Vandal Resistant 360° Dome cameras are ideal for surveillance applications where wide area coverage is required. This type of camera allows for multiple viewing angles and can be used to improve area management as well as detect activities in a large area.



Embedded Solutions

i-PRO embedded solutions allows the unification of large multi-recorder, multi-site networked video systems for centralized operation and ease-of-use.

5YEAR
WARRANTY

VIDEOINSIGHT
UNLIMITED LICENSE

PRIORITY ADVANCE*
EXCHANGE

iA

*(Gold and Diamond Partners) Receive advanced replacement units.

PAN TILT ZOOM CAMERAS



MODEL #		WV-X6533LN	WV-S6532LN	WV-X6531N	WV-X6511N	WV-S6530N
Resolution		1080P	1080P	1080P	720P	1080P
Environmental Type		Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Sensor		1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.9" CMOS
Video Codec		H.265 / H.264 / JPEG	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG
Max. Resolution	16 : 9	1920 x 1080	1920 x 1080	1920 x 1080	1280 x 720	1920 x 1080
	4 : 3	2048 x 1536 [*1]	2048 x 1536 [*1]	2048 x 1536 [*1]	1280 x 960	2048 x 1536 [*1]
Max. FPS @Max. Resolution		60fps (1080p)	60fps (1080p)	60fps (1080p)	60fps (720p)	60fps (1080p)
Super Dynamic [Dynamic range]		Yes [144dB]	Yes [144dB]	Yes [144dB]	Yes [144dB]	Yes [144dB]
Day/Night		Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
Min. Illumination	Color	0.015 lx @F1.6	0.015 lx @F1.6	0.015 lx @F1.6	0.011 lx @F1.6	0.015 lx @F1.6
	Color (Sens up)	0.001 lx [16x]	0.001 lx [16x]	0.001 lx [16x]	0.0007 lx [16x]	0.001 lx [16x]
	B/W	0.0 lx @F1.6 (w/IR)	0.0 lx @F1.6 (w/IR)	0.006 lx @F1.6	0.005 lx @F1.6	0.006 lx @F1.6
	B/W (Sens up)	—	—	0.0004 lx [16x]	0.0003 lx [16x]	0.0004 lx [16x]
Lens		f= 4.25 to 170 mm, F1.6 Motorized	f= 4.25 to 95 mm, F1.6 Motorized	f= 4.25 to 170 mm, F1.6 Motorized	f= 4.25 to 170 mm, F1.6 Motorized	f= 4.0 to 84.6 mm, F1.6 Motorized
Angular field of view	16 : 9	H: 1.9 to 66 deg. V: 1.1 to 39 deg.	H: 3.4 to 66 deg. V: 2.0 to 39 deg.	H: 2.1 to 65 deg. V: 1.2 to 39 deg.	H: 2.1 to 73 deg. V: 1.2 to 39 deg.	H: 3.4 to 73 deg. V: 2.0 to 42 deg.
	4 : 3	H: 1.4 to 51 deg. V: 1.1 to 39 deg.	H: 2.6 to 51 deg. V: 2.0 to 39 deg.	H: 1.6 to 51 deg. V: 1.2 to 39 deg.	H: 1.6 to 51 deg. V: 1.2 to 39 deg.	H: 2.9 to 61 deg. V: 2.2 to 46 deg.
Optical Zoom		40x	22x	40x	40x	21x
Pan/Tilt Range		360 Endless / -30~+210 deg.	360 Endless / -30~+210 deg.	360 Endless / -15~+195 deg.	360 Endless / -15~+195 deg.	0~350 deg. / -30~90 deg.
Built-in IR LED		Yes, 1150 ft(AC 24 V/ Tested PoE injector), 500 ft(PoE+ device)	Yes (330 ft)	—	—	—
Image stabilization		Yes	Yes	Yes	Yes	Yes
Intelligent Video Analytics		Type4, Intruder, Loitering, Direction, Scene Change, Cross Line, Object	Type4 Intruder, Loitering, Direction, Scene Change, Cross Line, Object	Type4, Intruder, Loitering, Direction, Scene Change, Cross Line, Object	Type4, Intruder, Loitering, Direction, Scene Change, Cross Line, Object	Type4 Intruder, Loitering, Direction, Scene Change, Cross Line, Object
VIQS		Yes (8-areas)	Yes (8-areas)	Yes (8-areas)	Yes (8-areas)	Yes (8-areas)
Audio	In (Line) / Out	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes
	In (Built-in MIC)	—	—	—	—	—
	Codec	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]
SD Memory Card		Yes (SDXC)	Yes (SDXC)	Yes (SDXC)	Yes (SDXC)	Yes (SDXC)
External I/O		Yes [3] [*3]	Yes [3] [*3]	Yes [3] [*3]	Yes [3] [*3]	Yes [3] [*3]
Monitor Out		Yes (mini-jack)	Yes (mini-jack)	Yes (mini-jack)	Yes (mini-jack)	Yes (mini-jack)
Shock Resistant		IK10	IK10	IK10	IK10	IK10
Water and Dust Resistance		IP66, NEMA 4X compliant	IP66, NEMA 4X compliant	IP66, NEMA 4X compliant	IP66, NEMA 4X compliant	IP66, NEMA 4X compliant
Clearsight coating		Yes	Yes	Yes	Yes	Yes
Operating Temperature		-58°F to +140°F [AC24V/60WPoE] , -22°F to +140°F [PoE+]	-40°F to +140°F [AC24V/60WPoE] , -22°F to +140°F [PoE+]	-58°F to +140°F [AC24V/60WPoE] , -22°F to +140°F [PoE+]	-58°F to +140°F [AC24V/60WPoE] , -22°F to +140°F [PoE+]	-40°F to +140°F [AC 24 V] -22°F to +140°F [PoE+]
Power Source		24 V AC / PoE+ / 60W PoE Injector	24 V AC / PoE+ / 60W PoE Injector	24 V AC / PoE+ / 60W PoE Injector	24 V AC / PoE+ / 60W PoE Injector	24 V AC / PoE+
Other Functions		Onvif S/G, Defroster	Onvif S/G, Defroster	Onvif S/G	Onvif S/G	Onvif S/G

[*1]: w/Super resolution [*2]: Only for SD REC [*3]: Alarm In1 (Day/Night In, Auto time adjustment), Alarm In2 (Alarm Out), Alarm In3 (AUX Out) [x1 for each]

PAN TILT ZOOM CAMERAS



MODEL #		WV-SUD638	WV-S6131	WV-S6130	WV-S6111
Resolution		1080P	1080P	1080P	720P
Environmental Type		Outdoor	Indoor	Indoor	Indoor
Sensor		1/3" CMOS	1/2.8" CMOS	1/2.9" CMOS	1/2.8" CMOS
Video Codec		H.264 / JPEG	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG
Max. Resolution	16 : 9	1920 x 1080	1920 x 1080	1920 x 1080	1280 x 720
	4 : 3	1280 x 960	2048 x 1536 [*1]	2048 x 1536 [*1]	1280 x 960
Max. FPS @Max. Resolution		60 fps (1080p)	60fps (1080p)	60fps (1080p)	60fps (720p)
Super Dynamic [Dynamic range]		Yes [105dB]	Yes [144dB]	Yes [144dB]	Yes [144dB]
Day/Night		Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
Min. Illumination	Color	0.06 lx @F1.6	0.015 lx @F1.6	0.015 lx @F1.6	0.015 lx @F1.6
	Color (Sens up)	0.004 lx (16x)	0.001 lx (16x)	0.001 lx (16x)	0.001 lx (16x)
	B/W	0.0 lx @F1.6 (w/IR)	0.006 lx @F1.6	0.006 lx @F1.6	0.006 lx @F1.6
	B/W (Sens up)	—	0.0004 lx (16x)	0.0004 lx (16x)	0.0004 lx (16x)
Lens		f= 4.3 to 129 mm, F1.6 Motorized	f= 4.25 to 170 mm, F1.6 Motorized	f= 4.0 to 84.6 mm, F1.6 Motorized	f= 4.25 to 170 mm, F1.6 Motorized
Angular field of view	16 : 9	H: 2.3 to 64 deg. V: 1.3 to 38 deg.	H: 1.9 to 66 deg. V: 1.1 to 39 deg.	H: 3.5 to 74 deg. V: 2.0 to 42 deg.	H: 1.9 to 66 deg. V: 1.1 to 39 deg.
	4 : 3	H: 1.8 to 50 deg. V: 1.3 to 38 deg.	H: 1.4 to 51 deg. V: 1.1 to 39 deg.	H: 3.0 to 61 deg. V: 2.3 to 46 deg.	H: 1.4 to 51 deg. V: 1.1 to 39 deg.
Optical Zoom		30x	40x	21x	40x
Pan/Tilt Range		360 Endless / Upright : -45~+90 deg. Forward tilt : -90~+90 deg. Hanging : +30~90deg.	360 Endless / -25~+205 deg.	0~350 deg. / -30~90 deg.	360 Endless / -25~+205 deg.
Built-in IR LED		[Optional] Yes (500ft)	—	—	—
Image stabilization		Yes	Yes	Yes	Yes
Intelligent Video Analytics		—	Type4 Intruder, Loitering, Direction, Scene Change, Cross Line, Object	Type4 Intruder, Loitering, Direction, Scene Change, Cross Line, Object	Type4 Intruder, Loitering, Direction, Scene Change, Cross Line, Object
VIQS		Yes (8-areas)	Yes (8-areas)	Yes (8-areas)	Yes (8-areas)
Audio	In (Line) / Out	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes
	In (Built-in MIC)	—	—	—	—
	Codec	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]
SD Memory Card		—	Yes (SDXC)	Yes (SDXC)	Yes (SDXC)
External I/O		Yes (3) [*3]	Yes (3) [*3]	Yes (3) [*3]	Yes (3) [*3]
Monitor Out		—	Yes (mini-jack)	Yes (mini-jack)	Yes (mini-jack)
Shock Resistant		IK10	—	—	—
Water and Dust Resistance		IP67 / IP66 / NEMA 4X	—	—	—
Clearsight coating		—	—	—	—
Operating Temperature		-58°F to +140°F	14°F to +122°F	14°F to +122°F (Ceiling / Mount Bracket) 14°F to +104°F (Desktop / Tripod)	14°F to +122°F
Power Source		AC100 to 240V / 60W Injector	12 V DC / PoE	12 V DC / PoE	12 V DC / PoE
Other Functions		Onvif S, Built-in wiper, Defroster	Onvif S/G	Onvif S/G	Onvif S/G

[*1]: w/Super resolution [*2]: Only for SD REC [*3]: Alarm In1 (Day/Night In, Auto time adjustment), Alarm In2 (Alarm Out), Alarm In3 (AUX Out) (x1 for each)

MULTI-SENSOR CAMERAS



MODEL #		WV-X8570N	WV-S8530N
Resolution		33 MP [4 x 4K]	8 MP [4 x 1080P]
Environmental Type		Outdoor	Outdoor
Sensor		4 x 1/1.8" CMOS	4 x 1/3" CMOS
Video Codec		H.265 / H.264 / JPEG	H.265 / H.264 / JPEG
Max. Resolution	16 : 9	3840 x 2160 [*1]	1920 x 1080 [*1]
	4 : 3	—	1600 x 1200 [*1]
Max. FPS @Max. Resolution		15fps [4K]	30fps [2MP]
Super Dynamic [Dynamic range]		Yes [108dB]	Yes [108dB]
Day/Night		Yes (ICR)	Yes (ICR)
Min. Illumination	Color	0.12 lx @F1.6	0.09 lx @F2.2
	Color (Sens up)	0.008 lx @F1.6	0.006 lx @F2.2
	B/W	0.05 @F1.6	0.04 @F2.2
	B/W (Sens up)	0.003 lx @F1.6	0.003 lx @F2.2
Lens		f= 4.6 mm, F1.6	f= 3.2 to 5.7 mm, F2.2
Angular field of view	16 : 9	H: 97 deg. V: 53 deg. [*1]	H: 53 (tele) to 99 deg. [wide] V: 30 (tele) to 54 deg. [wide] [*1]
	4 : 3	—	H: 44 (tele) to 81 deg. [wide] V: 33 (tele) to 60 deg. [wide] [*1]
Optical Zoom		—	1.8x
Pan/Tilt Range		—	—
Built-in IR LED		—	—
Image stabilization		—	—
Intelligent Video Analytics		—	—
VIQS		Yes [8-areas] [*1]	Yes [8-areas] [*1]
Audio	In (Line) / Out	Yes / —	—
	In (Built-in MIC)	—	—
	Codec	G.711 / G.726 / AAC-LC [*2]	—
SD Memory Card		Yes [SDXC]	Yes [SDXC]
External I/O		Yes [3] [*3]	—
Monitor Out		USB I/F for W-Fi adaptor	USB I/F for W-Fi adaptor
Shock Resistant		IK10	IK10
Water and Dust Resistance		IP66 / NEMA 4X compliant	IP66 / NEMA 4X compliant
Clearsight coating		Yes	Yes
Operating Temperature		−40°F to +140°F	−40°F to +140°F
Power Source		PoE	PoE
Other Functions		Onvif S/G	Onvif S/G

[*1]: Specification of one sensor [*2]: Only for SD REC [*3]: Alarm In1 (Day/Night In, Auto time adjustment), Alarm In 2 (Alarm Out), Alarm In 3 (AUX Out) (x1 for each)

DOME CAMERAS



MODEL #		WV-S2570L	WV-S2550L	WV-S2531LTN	WV-S2531LN	WV-S2511LN
Resolution		4K	5 MP	1080P	1080P	720P
Environmental Type		Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Sensor		1/1.8" CMOS	1/2.8" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Video Codec		H.265 / H.264 / JPEG	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG
Max. Resolution	16 : 9	3840x2160	3072 x 1728 [*1]	1920 x 1080	1920 x 1080	1280 x 720
	4 : 3	—	3072 x 2304 [*1]	2048 x 1536 [*1]	2048 x 1536 [*1]	1280 x 960
Max. FPS @Max. Resolution		30fps [4k]	30fps [5MP]	60fps [1080p]	60fps [1080p]	60fps [720p]
Super Dynamic [Dynamic range]		Yes [120dB]	Yes [120dB]	Yes [144dB]	Yes [144dB]	Yes [144dB]
Day/Night		Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
Min. Illumination	Color	0.09 lx @F1.5	0.07 lx @F1.3	0.015 lx @F1.7	0.012 lx @F1.6	0.008 lx @F1.6
	Color (Sens up)	0.006 lx [16x]	0.0044 lx @F1.3	0.001 lx [16x]	0.0008 lx [16x]	0.0005 lx [16x]
	B/W	0.0 lx @F1.5 (w/IR)	0.0 lx @F1.3 (w/IR)	0.0 lx @F1.7 (w/IR)	0.0 lx @F1.6 (w/IR)	0.0 lx @F1.6 (w/IR)
	B/W (Sens up)	—	—	—	—	—
Lens		f= 4.3 to 8.6 mm, F1.5 Motorized	f=2.9 to 9 mm, F1.3 Motorized	f= 9 to 21 mm, F1.7 Motorized	f= 2.8 to 10 mm, F1.6 Motorized	f= 2.8 to 10 mm, F1.6 Motorized
Angular field of view	16 : 9	H: 52 to 101 deg. V: 29 to 55 deg.	H: 33 to 103 deg. V: 19 to 55 deg.	H: 14 to 34 deg. V: 8 to 19 deg.	H: 30 to 108 deg. V: 17 to 58 deg.	H: 30 to 108 deg. V: 17 to 58 deg.
	4 : 3	—	H: 33 to 103 deg. V: 25 to 75 deg.	H: 12 to 28 deg. V: 9 to 21 deg.	H: 25 to 90 deg. V: 19 to 65 deg.	H: 25 to 90 deg. V: 19 to 65 deg.
Optical Zoom		2.0x	3.1 x	2.3x	3.6x	3.6x
Pan/Tilt Range		—	—	—	—	—
Built-in IR LED		Yes [131 ft]	Yes [131 ft]	Yes [131 ft]	Yes [131 ft]	Yes [131 ft]
Image stabilization		—	—	Yes	Yes	Yes
Intelligent Video Analytics		Type6 Intruder, Loitering, Direction, Scene Change, Cross Line, Object	Type6 Intruder, Loitering, Direction, Scene Change, Cross Line, Object	Type4 Intruder, Loitering, Direction, Scene Change, Cross Line, Object	Type4 Intruder, Loitering, Direction, Scene Change, Cross Line, Object	Type4 Intruder, Loitering, Direction, Scene Change, Cross Line, Object
VIQS		Yes [8-areas]	Yes [8-areas]	—	—	—
Audio	In [Line] / Out	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes
	In [Built-in MIC]	—	—	—	—	—
	Codec	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]
SD Memory Card		Yes (SDXC)	Yes (SDXC)	Yes (SDXC)	Yes (SDXC)	Yes (SDXC)
External I/O		Yes [3] [*3]	Yes [3] [*3]	Yes [3] [*3]	Yes [3] [*3]	Yes [3] [*3]
Monitor Out		Yes (mini jack)	Yes (mini jack)	Yes (mini jack)	Yes (mini jack)	Yes (mini jack)
Shock Resistant		50J, IK10	50J, IK10	50J, IK10	50J, IK10	50J, IK10
Water and Dust Resistance		IP66, NEMA 4X compliant	IP66, NEMA 4X compliant	IP66 / NEMA 4X compliant	IP66 / NEMA 4X compliant	IP66 / NEMA 4X compliant
Clearsight coating		[Optional]	[Optional]	Yes	Yes	Yes
Operating Temperature		-40°F to +140°F [*4]	-40 °F to 140 °F [*4]	-40°F to +140°F [*4]	-40°F to +140°F [*4]	-40°F to +140°F [*4]
Power Source		12V DC / PoE	12V DC / PoE	12 V DC / PoE	12 V DC / PoE	12 V DC / PoE
Other Functions		Onvif S/G	Onvif S/G	Onvif S/G	Onvif S/G	Onvif S/G

[*1]: w/Super resolution [*2]: Only for SD REC [*3]: Alarm In1 (Day/Night In, Auto time adjustment), Alarm In 2 (Alarm Out), Alarm In 3 (AUX Out) (x1 for each) [*4]: When the IR LED is ON, the maximum temperature is 122°F

DOME CAMERAS



MODEL #		WV-SFV781L	WV-S3531L/WV-S3532LM [*1]	WV-S3511L/WV-S3512LM [*1]	WV-SBV131M [*1]	WV-SBV111M [*1]
Resolution		4K	1080P	720P	1080P	720P
Environmental Type		Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Sensor		1/1.7" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Video Codec		H.264 / JPEG	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG	H.264 / JPEG	H.264 / JPEG
Max. Resolution	16 : 9	3840 x 2160	1920 x 1080	1280 x 720	1920 x 1080	1280 x 720
	4 : 3	4000 x 3000	2048 x 1536 [*2]	1280 x 960	2048 x 1536 [*2]	1280 x 960
Max. FPS @Max. Resolution		30fps (4K)	60fps (1080p)	60fps (720p)	30fps (1080p)	30fps (720p)
Super Dynamic [Dynamic range]		WDR	Yes [144dB]	Yes [134dB]	WDR	WDR
Day/Night		Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (Electrical)	Yes (Electrical)
Min. Illumination	Color	0.3 lx @F1.6	0.03 lx @F2.3	0.02 lx @F2.3	0.1 lx @F2.2	0.04 lx @F2.2
	Color (Sens up)	0.02 lx (16x)	0.0019 lx (16x)	0.0013 lx (16x)	0.007 lx (16x)	0.003 lx (16x)
	B/W	0.0 lx @F1.6 (w/IR)	0.0 lx @F2.3 (w/IR)	0.0 lx @F2.3 (w/IR)	0.06 lx @F2.2	0.03 lx @F2.2
	B/W (Sens up)	—	—	—	0.004 lx (16x)	0.002 lx (16x)
Lens		f=4.2 to 25.2 mm, F1.6 Motorized	f= 2.8 mm, F2.3	f= 2.8 mm, F2.3	f= 1.95 mm, F2.2	f= 1.95 mm, F2.2
Angular field of view	16 : 9	H: 17 to 96 deg. V: 9.3 to 54 deg.	H: 108 deg. V: 60 deg.	H: 97 deg. V: 54 deg.	H: 109 deg. V: 73 deg.	H: 104 deg. V: 69 deg.
	4 : 3	H: 17 to 100 deg. V: 13 to 75 deg.	H: 89 deg. V: 66 deg.	H: 97 deg. V: 72 deg.	H: 97 deg. V: 79 deg.	H: 104 deg. V: 85 deg.
Optical Zoom		6x	—	—	—	—
Pan/Tilt Range		—	—	—	—	—
Built-in IR LED		Yes (98 ft)	Yes (49 ft)	Yes (49 ft)	—	—
Image stabilization		—	—	—	—	—
Intelligent Video Analytics		—	Type4 Intruder, Loitering, Direction, Scene Change, Cross Line, Object	Type4 Intruder, Loitering, Direction, Scene Change, Cross Line, Object	—	—
VIQS		Yes (8-areas)	Yes (8-areas)	Yes (8-areas)	Yes (8-areas)	Yes (8-areas)
Audio	In (Line) / Out	Yes / Yes	—	—	—	—
	In (Built-in MIC)	—	Yes	Yes	—	—
	Codec	G.711 / G.726 / AAC-LC [*3]	G.711 / G.726 / AAC-LC [*3]	G.711 / G.726 / AAC-LC [*3]	—	—
SD Memory Card		Yes (SDXC)	Yes (microSDXC)	Yes (microSDXC)	Yes (SDXC)	Yes (SDXC)
External I/O		Yes [3] [*4]	—	—	—	—
Monitor Out		Yes (RCA)	—	—	—	—
Shock Resistant		IK10	IK10	IK10	IK10	IK10
Water and Dust Resistance		IP66 / NEMA 4X compliant	IP66, NEMA 4X compliant	IP66, NEMA 4X compliant	IP6K9K / IP66 / NEMA 4X	IP6K9K / IP66 / NEMA 4X
Clearsight coating		Yes	—	—	—	—
Operating Temperature		-49°F to +122°F	-22°F to +122°F	-22°F to +122°F	-49°F to +140°F	-49°F to +140°F
Power Source		12 V DC / PoE	PoE	PoE	PoE	PoE
Other Functions		Onvif S/G	Onvif S/G, EN45545-2 compliant (WV-S3532LM only), EN50155-TX	Onvif S/G, EN45545-2 compliant (WV-S3512LM only), EN50155-TX	Onvif S/G, MIL-STD-810G, EN50155-T3, EN50121, EN45545, EN50498, ECE-R10	Onvif S/G, MIL-STD-810G, EN50155-T3, EN50121, EN45545, EN50498, ECE-R10

[*1]: 10BASE-T/100BASE-TX, M12 connector [*2]: w/Super resolution [*3]: Only for SD REC [*4]: Alarm In1 (Day/Night In), Alarm In2 (Alarm Out), Alarm In3 (AUX Out Day/Night Out) (x1 for each)

DOME CAMERAS



MODEL #		WV-S2270L	WV-S2250L	WV-S2231L	WV-S2211L
Resolution		4K	5 MP	1080P	720P
Environmental Type		Indoor Vandal	Indoor Vandal	Indoor Vandal	Indoor Vandal
Sensor		1/1.8" CMOS	1/2.8" CMOS	1/3" CMOS	1/3" CMOS
Video Codec		H.265 / H.264 / JPEG	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG
Max. Resolution	16 : 9	3840 x 2160	3072 x 1728 [*1]	1920 x 1080	1280 x 720
	4 : 3	—	3072 x 2304 [*1]	2048 x 1536 [*1]	1280 x 960
Max. FPS @Max. Resolution		30fps (4K)	30fps (5MP)	60fps (1080p)	60fps (720p)
Super Dynamic [Dynamic range]		Yes [120dB]	Yes [120dB]	Yes [144dB]	Yes [144dB]
Day/Night		Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
Min. Illumination	Color	0.09 lx @F1.5	0.07 lx @F1.3	0.012 lx @F1.6	0.008 lx @F1.6
	Color (Sens up)	0.006 lx (16x)	0.0044 lx @F1.3	0.0008 lx (16x)	0.0005 lx (16x)
	B/W	0.0 lx @F1.5 (w/IR)	0.0 lx @F1.3 (w/IR)	0.0 lx @F1.6 (w/IR)	0.0 lx @F1.6 (w/IR)
	B/W (Sens up)	—	—	—	—
Lens		f= 4.3 to 8.6 mm, F1.5 Motorized	f= 2.9 to 9 mm, F1.3 Motorized	f= 2.8 to 10 mm, F1.6 Motorized	f= 2.8 to 10 mm, F1.6
Angular field of view	16 : 9	H: 52 to 101 deg. V: 29 to 55 deg.	H: 33 to 105 deg. V: 19 to 56 deg.	H: 30 to 109 deg. V: 17 to 58 deg.	H: 30 to 109 deg. V: 17 to 58 deg.
	4 : 3	—	H: 33 to 105 deg. V: 25 to 76 deg.	H: 25 to 90 deg. V: 19 to 65 deg.	H: 25 to 90 deg. V: 19 to 65 deg.
Optical Zoom		2x	3.1 x	3.6x	3.6x
Pan/Tilt Range		—	—	—	—
Built-in IR LED		Yes (98 ft)	Yes (98 ft)	Yes (98 ft)	Yes (98 ft)
Image stabilization		—	—	Yes	Yes
Intelligent Video Analytics		Type6 Intruder, Loitering, Direction, Scene Change, Cross Line, Object	Type6 Intruder, Loitering, Direction, Scene Change, Cross Line, Object	Type4 Intruder, Loitering, Direction, Scene Change, Cross Line, Object	Type4 Intruder, Loitering, Direction, Scene Change, Cross Line, Object
VIQS		Yes [8-areas]	Yes	—	—
Audio	In [Line] / Out	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes
	In [Built-in MIC]	—	—	—	—
	Codec	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]
SD Memory Card		Yes (SDXC)	Yes (SDXC)	Yes (SDXC)	Yes (SDXC)
External I/O		Yes [3] [*3]	Yes [3]	Yes [3] [*3]	Yes [3] [*3]
Monitor Out		Yes (mini jack)	Yes (mini jack)	Yes (mini jack)	Yes (mini jack)
Shock Resistant		IK10	IK10	IK10	IK10
Water and Dust Resistance		—	—	—	—
Clearsight coating		—	—	—	—
Operating Temperature		14°F to 122°F	14°F to 122°F	+14°F to +122°F	+14°F to +122°F
Power Source		12V DC / PoE	12V DC / PoE	12 V DC / PoE	12 V DC / PoE
Other Functions		Onvif S/G	Onvif S/G	Onvif S/G	Onvif S/G

[*1]: w/Super resolution [*2]: Only for SD R [*3]: Alarm In1 (Day/Night In, Auto time adjustment), Alarm In 2 (Alarm Out), Alarm In 3 (AUX Out) (x1 for each)

DOME CAMERAS



MODEL #		WV-S2131L	WV-S2111L	WV-S2110	WV-S3131L	WV-S3111L
Resolution		1080P	720P	720P	1080P	720P
Environmental Type		Indoor	Indoor	Indoor	Indoor	Indoor
Sensor		1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Video Codec		H.265 / H.264 / JPEG	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG
Max. Resolution	16 : 9	1920 x 1080	1280 x 720	1280 x 720	1920 x 1080	1280 x 720
	4 : 3	2048 x 1536 [*1]	1280 x 960	1280 x 960	2048 x 1536 [*1]	1280 x 960
Max. FPS @Max. Resolution		60fps (1080p)	60fps (720p)	60fps (720p)	60fps (1080p)	60fps (720p)
Super Dynamic [Dynamic range]		Yes [144dB]	Yes [144dB]	Yes [144dB]	Yes [144dB]	Yes [134dB]
Day/Night		Yes (ICR)	Yes (ICR)	Yes (Electrical)	Yes (ICR)	Yes (ICR)
Min. Illumination	Color	0.012 lx @F1.6	0.008 lx @F1.6	0.008 lx @F1.6	0.03 lx @F2.3	0.02 lx @F2.3
	Color (Sens up)	0.0008 lx [16x]	0.0005 lx [16x]	0.0005 lx [16x]	0.0019 lx [16x]	0.0013 lx [16x]
	B/W	0.0 lx @F1.6 (w/IR)	0.0 lx @F1.6 (w/IR)	0.007 lx @F1.6	0.0 lx @F2.3 (w/IR)	0.0 lx @F2.3 (w/IR)
	B/W (Sens up)	—	—	0.00044 lx [16x]	—	—
Lens		f= 2.8 to 10 mm, F1.6 Motorized	f= 2.8 to 10 mm, F1.6	f= 2.8 to 10 mm, F1.6	f= 2.8 mm, F2.3	f= 2.8 mm, F2.3
Angular field of view	16 : 9	H: 30 to 110 deg. V: 17 to 59 deg.	H: 30 to 110 deg. V: 17 to 59 deg.	H: 30 to 110 deg. V: 17 to 59 deg.	H: 108 deg. V: 60 deg.	H: 97 deg. V: 54 deg.
	4 : 3	H: 25 to 90 deg. V: 19 to 66 deg.	H: 25 to 90 deg. V: 19 to 66 deg.	H: 25 to 90 deg. V: 19 to 66 deg.	H: 89 deg. V: 66 deg.	H: 97 deg. V: 72 deg.
Optical Zoom		3.6x	3.6x	3.6x	—	—
Pan/Tilt Range		—	—	—	—	—
Built-in IR LED		Yes (98 ft)	Yes (98 ft)	—	Yes (49 ft)	Yes (49 ft)
Image stabilization		Yes	Yes	Yes	—	—
Intelligent Video Analytics		Type4 Intruder, Loitering, Direction, Scene Change, Cross Line, Object	Type4 Intruder, Loitering, Direction, Scene Change, Cross Line, Object	Type4 Intruder, Loitering, Direction, Scene Change, Cross Line, Object	Type4 Intruder, Loitering, Direction, Scene Change, Cross Line, Object	Type4 Intruder, Loitering, Direction, Scene Change, Cross Line, Object
VIQS		—	—	—	Yes (8-areas)	Yes (8-areas)
Audio	In (Line) / Out	Yes / Yes	Yes / Yes	—	—	-
	In (Built-in MIC)	—	—	—	Yes	Yes
	Codec	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]
SD Memory Card		Yes (SDXC)	Yes (SDXC)	—	Yes (microSDXC)	Yes (microSDXC)
External I/O		Yes [3] [*3]	Yes [3] [*3]	—	—	—
Monitor Out		Yes (mini jack)	Yes (mini jack)	Yes (mini jack)	—	—
Shock Resistant		—	—	—	—	—
Water and Dust Resistance		—	—	—	—	—
Clearsight coating		—	—	—	—	—
Operating Temperature		+14°F to +122°F	+14°F to +122°F	+14°F to +122°F	+32°F to +104°F	+32°F to +104°F
Power Source		12 V DC / PoE	12 V DC / PoE	PoE	PoE	PoE
Other Functions		Onvif S/G	Onvif S/G	Onvif S	Onvif S/G	Onvif S/G

[*1]: w/Super resolution [*2]: Only for SD REC [*3]: Alarm In1 (Day/Night In, Auto time adjustment), Alarm In 2 (Alarm Out), Alarm In 3 (AUX Out) (x1 for each)

BOX CAMERAS



MODEL #		WV-S1570L	WV-S1550L	WV-S1531LN	WV-S1531LTN	WV-S1511LN
Resolution		4K	5MP	1080P	1080P	720P
Environmental Type		Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Sensor		1/1.8" CMOS	1/2.8" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Video Codec		H.265 / H.264 / JPEG	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG
Max. Resolution	16 : 9	3840 x 2160	3072 x 1728 [*1]	1920 x 1080	1920 x 1080	1280 x 720
	4 : 3	—	3072 x 2304 [*1]	2048 x 1536 [*1]	2048 x 1536 [*1]	1280 x 960
Max. FPS @Max. Resolution		30fps (4K)	30fps (5MP)	60fps (1080p)	60fps (1080p)	60fps (720p)
Super Dynamic [Dynamic range]		Yes [120B]	Yes [120B]	Yes [144B]	Yes [144B]	Yes [144B]
Day/Night		Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
Min. Illumination	Color	0.09 lx @F1.5	0.07 lx @F1.3	0.012 lx @F1.6	0.015 lx @F1.7	0.008 lx @F1.6
	Color (Sens up)	0.006 lx (16x)	0.0044 lx @F1.3	0.0008 lx (16x)	0.001 lx (16x)	0.0005 lx (16x)
	B/W	0.0 lx @F1.5 (w/IR)	0.0 lx @F1.3 (w/IR)	0.0 lx @F1.6 (w/IR)	0.0 lx @F1.7 (w/IR)	0.0 lx @F1.6 (w/IR)
	B/W (Sens up)	—	—	—	—	—
Lens		f= 4.3 to 8.6 mm, F1.5 Motorized	f=2.9 to 9 mm, F1.3 Motorized	f = 2.8 to 10 mm, F1.6 Motorized	f = 9 to 21 mm, F1.7 Motorized	f = 2.8 to 10 mm, F1.6 Motorized
Angular field of view	16 : 9	H: 53 to 104 deg. V: 30 to 56 deg.	H : 34 to 106 deg. V : 19 to 57 deg.	H : 31 to 112 deg. V : 17 to 60 deg.	H : 14 to 34 deg. V : 8 to 19 deg.	H : 31 to 112 deg. V : 17 to 60 deg.
	4 : 3	—	H : 34 to 106 deg. V : 25 to 77 deg.	H : 26 to 91 deg. V : 19 to 67 deg.	H : 12 to 28 deg. V : 9 to 21 deg.	H : 26 to 91 deg. V : 19 to 67 deg.
Optical Zoom		2 x	3.1 x	3.6x	2.3x	3.6x
Pan/Tilt Range		—	—	—	—	—
Built-in IR LED		Yes (131 ft)	Yes (131 ft)	Yes (131 ft)	Yes (131 ft)	Yes (131 ft)
Image stabilization		—	—	Yes	Yes	Yes
Intelligent Video Analytics		Type6 Intruder, Loitering, Direction, Scene Change, Cross Line, Object	Type6 Intruder, Loitering, Direction, Scene Change, Cross Line, Object	Type4 Intruder, Loitering, Direction, Scene Change, Cross Line, Object	Type4 Intruder, Loitering, Direction, Scene Change, Cross Line, Object	Type4 Intruder, Loitering, Direction, Scene Change, Cross Line, Object
VIQS		Yes (8-areas)	Yes	—	—	—
Audio	In [Line] / Out	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes
	In [Built-in MIC]	—	—	—	—	—
	Codec	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]
SD Memory Card		Yes (SDXC)	Yes (SDXC)	Yes (SDXC)	Yes (SDXC)	Yes (SDXC)
External I/O		Yes [3] [*3]	Yes [3] [*3]	Yes [3] [*3]	Yes [3] [*3]	Yes [3] [*3]
Monitor Out		Yes (RCA)	Yes (RCA)	Yes (RCA)	Yes (RCA)	Yes (RCA)
Shock Resistant		IK10	IK10	IK10	IK10	IK10
Water and Dust Resistance		IP66, NEMA 4X compliant	IP66, NEMA 4X compliant	IP66 / NEMA 4X compliant	IP66 / NEMA 4X compliant	IP66 / NEMA 4X compliant
Clearsight coating		[Optional]	[Optional]	Yes	Yes	Yes
Operating Temperature		-40°F to 140°F [*4]	-40°F to 140°F [*4]	-40°F to 140°F [*4]	-40°F to 140°F [*4]	-40°F to +140°F [*4]
Power Source		12V DC / PoE	12V DC / PoE	12 V DC / PoE	12 V DC / PoE	12 V DC / PoE
Other Functions		Onvif S/G	Onvif S/G	Onvif S/G	Onvif S/G	Onvif S/G

[*1] w/Super resolution [*2] Only for SD REC [*3]: Alarm In1 (Day/Night In, Auto time adjustment), Alarm In 2 (Alarm Out), Alarm In 3 (AUX Out) (x1 for each) [*4] When the IR LED is ON, the maximum temperature is 122°F.

BOX CAMERAS



**i-PRO
EXTREME**

**i-PRO
EXTREME**

MODEL #		WV-SPV781L	WV-S1131	WV-S1111
Resolution		4K	1080P	720P
Environmental Type		Outdoor	Indoor	Indoor
Sensor		1/1.7" CMOS	1/2.8" CMOS	1/2.8" CMOS
Video Codec		H.264 / JPEG	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG
Max. Resolution	16 : 9	3840 x 2160	1920 x 1080	1280 x 720
	4 : 3	4000 x 3000	2048 x 1536 [*1]	1280 x 960
Max. FPS @Max. Resolution		30fps (4K)	60fps (1080p)	60fps (720p)
Super Dynamic [Dynamic range]		WDR	Yes [144B]	Yes [144B]
Day/Night		Yes (ICR)	Yes (ICR)	Yes (ICR)
Min. Illumination	Color	0.3 lx @F1.6	0.01 lx @F1.4	0.007 lx @F1.4
	Color (Sens up)	0.02 lx (16x)	0.0007 lx (16x)	0.0005 lx (16x)
	B/W	0.0 lx @F1.6 (w/IR)	0.004 lx @F1.4	0.003 lx @F1.4
	B/W (Sens up)	—	0.0003 lx (16x)	0.0002 lx (16x)
Lens		f=4.2 to 25.2 mm, F1.6 Motorized	CS Mount *Lens is not included	CS Mount *Lens is not included
Angular field of view	16 : 9	H: 17 to 97 deg. V: 9.4 to 55 deg.	—	—
	4 : 3	H: 18 to 101 deg. V: 13 to 76 deg.	—	—
Optical Zoom		6x	—	—
Pan/Tilt Range		—	—	—
Built-in IR LED		Yes (98 ft)	—	—
Image stabilization		—	Yes	Yes
Intelligent Video Analytics		—	Type4 Intruder, Loitering, Direction, Scene Change, Cross Line, Object	Type4 Intruder, Loitering, Direction, Scene Change, Cross Line, Object
VIQS		Yes (8-areas)	—	—
Audio	In (Line) / Out	Yes / Yes	Yes / Yes	Yes / Yes
	In (Built-in MIC)	—	—	—
	Codec	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]
SD Memory Card		Yes (SDXC)	Yes (SDXC)	Yes (SDXC)
External I/O		Yes [3] [*3]	Yes [3] [*4]	Yes [3] [*4]
Monitor Out		Yes (RCA)	Yes (RCA)	Yes (RCA)
Shock Resistant		IK10	—	—
Water and Dust Resistance		IP66 / NEMA 4X compliant	—	—
Clearsight coating		Yes	—	—
Operating Temperature		-49°F to +122°F	+14°F to +122°F	+14°F to +122°F
Power Source		12 V DC / PoE	12 V DC / PoE	12 V DC / PoE
Other Functions		Onvif S/G	Onvif S/G	Onvif S/G

[*1]: w/Super resolution, [*2]: Only for SD REC [*3]: Alarm In1 (Day/Night In), Alarm In 2 (Alarm Out), Alarm In 3 (AUX Out) (x1 for each) (Description for WV-SPV781L)

[*4]: Alarm In1 (Day/Night In, Auto time adjustment), Alarm In 2 (Alarm Out), Alarm In 3 (AUX Out) (x1 for each) (Description for WV-S1131 & WV-S1111)

360 DEGREE DOME CAMERAS



MODEL #		WV-X4571L/WV-X4570LM [*1]	WV-S4550L/WV-S4550LM [*1]	WV-X4171	WV-X4170	WV-S4150
Resolution		9 MP	5 MP	9 MP	9 MP	5 MP
Environmental Type		Outdoor	Outdoor	Indoor	Indoor	Indoor
Sensor		1/2" CMOS	1/3" CMOS	1/2" CMOS	1/2" CMOS	1/3" CMOS
Video Codec		H.265/H.264/JPEG	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG
Max. Resolution	16 : 9	2560 x 1440	1920 x 1080	2560 x 1440	2560 x 1440	1920 x 1080
	4 : 3	2560 x 1920 2992x2992 [1:1]	1600 x 1200 2192 x 2192 [1:1]	2560 x 1920 2992 x 2992 [1:1]	2560 x 1920 2992 x 2992 [1:1]	1600 x 1200 2192 x 2192 [1:1]
		30fps [9M]	30fps [5M]	30fps [9M]	30fps [9M]	30fps [5M]
Super Dynamic [Dynamic range]		Yes [108B]	Yes [108B]	Yes [108B]	Yes [108B]	Yes [108B]
Day/Night		Yes(ICR)	Yes (ICR)	Yes (Electrical)	Yes (Electrical)	Yes (Electrical)
Min. Illumination	Color	0.3 lx @F1.9	0.3 lx @F2.4	0.3 lx @F1.9	0.3 lx @F1.9	0.3 lx @F2.4
	Color (Sens up)	0.02 lx (16x)	0.02 lx (16x)	0.02 lx (16x)	0.02 lx (16x)	0.02 lx (16x)
	B/W	0.0 lx @F1.9(w/IR)	0.0 lx @F2.4 (w/IR)	0.2 lx @F1.9	0.2 lx @F1.9	0.2 lx @F2.4
	B/W (Sens up)	—	—	0.01 lx (16x)	0.01 lx (16x)	0.013 lx (16x)
Lens		f=1.4 mm, F1.9	f= 0.84 mm, F2.4	f= 1.4 mm, F1.9	f= 1.4 mm, F1.9	f= 0.84 mm, F2.4
Angular field of view	16 : 9	H: 183 deg. V: 183 deg.	H: 186 deg. V: 186 deg.	H: 183 deg. V: 183 deg.	H: 183 deg. V: 183 deg.	H: 186 deg. V: 186 deg.
	4 : 3	—	—	—	—	—
Optical Zoom		—	—	—	—	—
Pan/Tilt Range		—	—	—	—	—
Built-in IR LED		Yes (33 ft)	Yes (33 ft)	—	—	—
Image stabilization		—	—	—	—	—
Intelligent Video Analytics		Type5 Heat Map, People Count, MOR or Intruder/Loitering, Scene Change, Cross Line, Object	Type5 Heat Map, People Count, MOR or Intruder/Loitering, Scene Change, Cross Line, Object	Type5 Heat Map, People Count, MOR or Intruder/Loitering, Scene Change, Cross Line, Object	Type5 Heat Map, People Count, MOR or Intruder/Loitering, Scene Change, Cross Line, Object	Type5 Heat Map, People Count, MOR or Intruder/Loitering, Scene Change, Cross Line, Object
VIQS		Yes (2-areas)	Yes (2-areas)	Yes (2-areas)	Yes (2-areas)	Yes (2-areas)
Audio	In (Line) / Out	Yes / Yes	Yes / Yes	Yes / Yes	—	Yes / Yes
	In (Built-in MIC)	—	—	Yes	—	Yes
	Codec	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]	—	G.711 / G.726 / AAC-LC [*2]
SD Memory Card		Yes(SDXC)	Yes (SDXC)	Yes (SDXC)	Yes (SDXC)	Yes (SDXC)
External I/O		Yes[3] [*3]	Yes [3] [*3]	Yes [3] [*4]	—	Yes [3] [*4]
Monitor Out		Yes (mini jack)	Yes(mini jack)	Yes (mini jack)	—	Yes(mini jack)
Shock Resistant		50J, IK10	50J, IK10	—	—	—
Water and Dust Resistance		IP66 / NEMA 4X compliant	IP66/NEMA 4X compliant	—	—	—
Clearsight coating		—	—	—	—	—
Operating Temperature		-40°F to +140°F [*5]	-40°F to +140°F [*5]	+14°F to +122°F	+32°F to +104°F	+14°F to +122°F
Power Source		12 V DC / PoE	12 V DC / PoE	12 V DC / PoE	PoE	12 V DC / PoE
Other Functions		Onvif S/G, Railway Application (EN50155-T3, EN50121, EN45545, EN50498 and ECE-R10 [X4571LM])	Onvif S/G, Railway Application (EN50155-T3, EN50121, EN45545, EN50498 and ECE-R10 [S4550LM])	Onvif S/G	Onvif S/G	Onvif S/G

[*1]: 10BASE-T/100BASE-TX, M12 connector [*2]: Only for SD REC [*3]: Alarm In1(Day/Night In, Auto time adjustment input), Alarm In2 (Alarm Out), Alarm In3 (AUX Out) (x1 for each)
 [*4]: Alarm In1 (Auto time adjustment input), Alarm In2 (Alarm Out), Alarm In3 (AUX Out) (x1 for each) [*5]: When the IR LED is ON, the maximum temperature is 122°F

U SERIES



COMING SOON



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MODEL #		WV-U2542L	WV-U2532L	WV-U2142L	WV-U2132L	WV-U1542L	WV-U1532L
CAMERA TYPE		DOME	DOME	DOME	DOME	BOX	BOX
Resolution		4MP	1080P	4MP	1080P	4MP	1080P
Environmental Type		Outdoor	Outdoor	Indoor	Indoor	Outdoor	Outdoor
Sensor		1/2.7" CMOS	1/3" CMOS	1/2.7" CMOS	1/3" CMOS	1/2.7" CMOS	1/3" CMOS
Video Codec		H.265	H.265	H.265	H.265	H.265	H.265
Max. Resolution	16 : 9	2560 x 1440	1920 x 1080	2560 x 1440	1920 x 1080	2560 x 1440	1920 x 1080
	4 : 3	—	1600 x 1200	—	1600 x 1200	—	1600 x 1200
Max. FPS @Max. Resolution		30fps (1080p)	30fps (1080p)	30fps (1080p)	30fps (1080p)	30fps (1080p)	30fps (1080p)
Super Dynamic / WDR / BLC		Yes [102dB]	Yes [120dB]	Yes [102dB]	Yes [120dB]	Yes [102dB]	Yes [120dB]
Day/Night		Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
Min. Illumination	Color	0.3 lx @F2.0	0.1 lx @F2.0	0.3 lx @F2.0	0.1 lx @F2.0	0.3 lx @F2.0	0.1 lx @F2.0
	Color (Sens up)	0.019 lx (16x)	0.006 lx (16x)	0.019 lx (16x)	0.006 lx (16x)	0.019 lx (16x)	0.006 lx (16x)
	B/W	0 lx @F2.0 (w/IR)	0 lx @F2.0 (w/IR)	0 lx @F2.0 (w/IR)	0 lx @F2.0 (w/IR)	0 lx @F2.0 (w/IR)	0 lx @F2.0 (w/IR)
	B/W (Sens up)	—	—	—	—	—	—
Lens		f= 2.9 to 7.3 mm, F2.0 Motorized	f= 2.9 to 7.3 mm, F2.0 Motorized	f= 2.9 to 7.3 mm, F2.0 Motorized	f= 2.9 to 7.3 mm, F2.0 Motorized	f= 2.9 to 7.3 mm, F2.0 Motorized	f= 2.9 to 7.3 mm, F2.0 Motorized
Angular field of view	16 : 9	H: 43 to 100 deg. V: 24 to 56 deg.	H: 43 to 100 deg. V: 24 to 55 deg.	H: 44 to 102 deg. V: 25 to 57 deg.	H: 43 to 100 deg. V: 24 to 56 deg.	H: 44 to 103 deg. V: 25 to 57 deg.	H: 44 to 102 deg. V: 24 to 56 deg.
	4 : 3	—	H: 35 to 82 deg. V: 27 to 61 deg.	—	H: 36 to 83 deg. V: 27 to 62 deg.	—	H: 36 to 84 deg. V: 27 to 63 deg.
Optical Zoom		2.5x	2.5x	2.5x	2.5x	2.5x	2.5x
Pan/Tilt Range		—	—	—	—	—	—
Built-in IRLED		Yes (20m / 65ft)	Yes (30m / 100ft)	Yes (20m / 65ft)	Yes (30m / 100ft)	Yes (20m / 65ft)	Yes (30m / 100ft)
Image stabilization		—	—	—	—	—	—
Intelligent Video		—	—	—	—	—	—
VIQS		Yes	Yes	Yes	Yes	Yes	Yes
Audio	In (Line) / Out	—	—	—	—	—	—
	In (Built-in MIC)	—	—	—	—	—	—
	Codec	—	—	—	—	—	—
SD memory Card	Slot	Yes (MicroSD)	Yes (MicroSD)	Yes (MicroSD)	Yes (MicroSD)	Yes (MicroSD)	Yes (MicroSD)
External I/O		—	—	—	—	—	—
Monitor Out		—	—	—	—	—	—
Vandal Resistant		IK10	IK10	—	—	IK10	IK10
Water and Dust Resistance		IP66 / NEMA 4X compliant	IP66 / NEMA 4X compliant	—	—	IP66 / NEMA 4X compliant	IP66 / NEMA 4X compliant
Clearsight coating		—	—	—	—	—	—
Temperature		-22°F to +122°F	-22°F to +122°F	+14°F to +122°F	+14°F to +122°F	-22°F to +122°F	-22°F to +122°F
Power Source		PoE	PoE	PoE	PoE	PoE	PoE
Other Functions		Onvif G,T	Onvif G,T	Onvif G,T	Onvif G,T	Onvif G,T	Onvif G,T

U SERIES



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MODEL #		WV-U1142	WV-U1132	WV-U1130	WV-U2540L	WV-U2530L	WV-U2140L	WV-U2130L
CAMERA TYPE		BOX	BOX	BOX	DOME	DOME	DOME	DOME
Resolution		4MP	1080P	1080P	4MP	1080P	4MP	1080P
Environmental Type		Indoor	Indoor	Indoor	Outdoor	Outdoor	Indoor	Indoor
Sensor		1/2.7" CMOS	1/3" CMOS	1/3" CMOS	1/2.7" CMOS	1/3" CMOS	1/2.7" CMOS	1/3" CMOS
Video Codec		H.265	H.265	H.265	H.265	H.265	H.265	H.265
Max. Resolution	16 : 9	2560 x 1440	1920 x 1080	1920 x 1080	2560 x 1440	1920 x 1080	2560 x 1440	1920 x 1080
	4 : 3	—	1600 x 1200	1600 x 1200	—	1600 x 1200	—	1600 x 1200
Max. FPS @Max. Resolution		30fps [1080p]	30fps [1080p]	30fps [1080p]	30fps [1080p]	30fps [1080p]	30fps [1080p]	30fps [1080p]
Super Dynamic / WDR / BLC		Yes [102dB]	Yes [120dB]	Yes [120dB]	Yes [102dB]	Yes [120dB]	Yes [102dB]	Yes [120dB]
Day/Night		Yes [ICR]	Yes [ICR]	Yes [ICR]	Yes [ICR]	Yes [ICR]	Yes [ICR]	Yes [ICR]
Min. Illumination	Color	0.3 lx @F2.0	0.1 lx @F2.0	0.1 lx @F2.0	0.3 lx @F2.0	0.1 lx @F2.0	0.3 lx @F2.0	0.1 lx @F2.0
	Color (Sens up)	0.019 lx [16x]	0.006 lx [16x]	0.006 lx [16x]	0.019 lx [16x]	0.006 lx [16x]	0.019 lx [16x]	0.006 lx [16x]
	B/W	0.12 lx @F2.0	0.04 lx @F2.0	0.04 lx @F2.0	0 lx @F2.0 (w/IR)	0 lx @F2.0 (w/IR)	0 lx @F2.0 (w/IR)	0 lx @F2.0 (w/IR)
	B/W (Sens up)	0.0075 lx [16x]	0.0025 lx [16x]	0.025 lx [16x]	—	—	—	—
Lens		f= 2.9 to 7.3 mm, F2.0 Motorized	f= 2.9 to 7.3 mm, F2.0 Motorized	3.16 mm	3.16 mm	3.16 mm	3.16 mm	3.16 mm
Angular field of view	16 : 9	H: 44 to 103 deg. V: 25 to 57 deg.	H: 44 to 102 deg. V: 24 to 56 deg.	H: 102 deg. V: 55 deg.	H: 100 deg. V: 54 deg.	H: 100 deg. V: 54 deg.	H: 100 deg. V: 54 deg.	H: 100 deg. V: 54 deg.
	4 : 3	—	H: 36 to 84 deg. V: 27 to 63 deg.	H: 81 deg. V: 60 deg.	—	H: 81 deg. V: 60 deg.	—	H: 81 deg. V: 60 deg.
Optical Zoom		2.5x	2.5x	FIX	FIX	FIX	FIX	FIX
Pan/Tilt Range		—	—	—	—	—	—	—
Built-in IRLED		—	—	—	Yes [20m / 65ft]	Yes [30m / 100ft]	Yes [20m / 65ft]	Yes [30m / 100ft]
Image stabilization		—	—	—	—	—	—	—
Intelligent Video		—	—	—	—	—	—	—
VIQS		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio	In (Line)	—	—	—	—	—	—	—
	In (Built-in MIC)	—	—	—	—	—	—	—
	Codec	—	—	—	—	—	—	—
SD memory Card		Yes [MicroSD]	Yes [MicroSD]	Yes [MicroSD]	Yes [MicroSD]	Yes [MicroSD]	Yes [MicroSD]	Yes [MicroSD]
External I/O		—	—	—	—	—	—	—
Monitor Out		—	—	—	—	—	—	—
Vandal Resistant		—	—	—	IK10	IK10	—	—
Water and Dust Resistance		—	—	—	IP66 / NEMA 4X compliant	IP66 / NEMA 4X compliant	—	—
Clearsight coating		—	—	—	—	—	—	—
Temperature		+14°F to +122°F	+14°F to +122°F	+14°F to +122°F	-22°F to +122°F	-22°F to +122°F	+14°F to +122°F	+14°F to +122°F
Power Source		PoE	PoE	PoE	PoE	PoE	PoE	PoE
Other Functions		Onvif G,T	Onvif G,T	Onvif G,T	Onvif G,T	Onvif G,T	Onvif G,T	Onvif G,T

i-PRO NVRS



MODEL #	WJ-NX400	WJ-NX300	WJ-NX200	WJ-HXE400
	NETWORK VIDEO RECORDERS			HDD Extension Unit
Video Compression	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG	H.265 / H.264 / JPEG
Camera Channel	Default / Max	64 ch / 128 ch	16 ch / 32 ch	9 ch / 16 ch
Video Throughput	Recording / Output	384 Mbps / 256 Mbps	256 Mbps / 256 Mbps	192 Mbps / 192 Mbps
Max HDD	9 HDDs (Main Unit) 54 HDDs (with 5 x WJ-HXE400)	4 HDDs (Main Unit) 22 HDDs (with 2 x WJ-HXE400)	2 HDDs (Main Unit)	9 HDDs
RAID	RAID 1, 5, 6	RAID 1, 5, 6 [*2]	RAID 1	RAID 1, 5, 6
Monitor Output	1 x BNC, 2 x HDMI (1x 4K, 1x Full HD) [*1]	1 x BNC, 2 x HDMI (1x 4K, 1x Full HD)	1 x BNC, 2 x HDMI (1x 4K, 1x Full HD)	—
Alarm Port	32 inputs / 4 outputs	9 inputs / 1 output	9 inputs / 1 output	—
Simultaneous User Access	Max 16 users	Max 16 users	Max 16 users	—
Network Interface	2 x 10BASE-T / 100BASE-TX / 1000BASE-T 1 x 10BASE-T / 100BASE-TX (for Maintenance)	2 x 10BASE-T / 100BASE-TX / 1000BASE-T	2 x 10BASE-T / 100BASE-TX / 1000BASE-T	—
Dimensions (inch)	[W] 16.94 x [H] 5.19 x [D] 16.25	[W] 16.57 x [H] 4.44 x [D] 14.57	[W] 16.57 x [H] 4.44 x [D] 11.82	[W] 16.94 x [H] 5.19 x [D] 16.25
Weight	25.4 lbs. (no HDD) / 44.2 lbs. (9 HDDs)	15.4 lbs. (no HDD)	11.5 lbs. (no HDD)	24.3 lbs. (no HDD) / 43.0 lbs. (9 HDDs)
Model Number	WJ-NX400/3000T3 3TB Model (1 x 3TB HDD) WJ-NX400/4000T4 4TB Model (1 x 4TB HDD) WJ-NX400/6000T6 6TB Model (1 x 6TB HDD) WJ-NX400/27000T3 27TB Model (9 x 3TB HDD) WJ-NX400/36000T4 36TB Model (9 x 4TB HDD) WJ-NX400/54000T6 54TB Model (9 x 6TB HDD)	WJ-NX300/4000T4 4TB Model (1 x 4TB HDD) WJ-NX300/6000T6 6TB Model (1 x 6TB HDD)	WJ-NX200/3000T3 3TB Model (1 x 3TB HDD) WJ-NX200/4000T4 4TB Model (1 x 4TB HDD) WJ-NX200/6000T3 6TB Model (2 x 3TB HDDs) WJ-NX200/6000T6 6TB Model (1 x 6TB HDD) WJ-NX200/8000T4 8TB Model (2 x 4TB HDD) WJ-NX200/12000T6 12TB Model (2 x 6TB HDD)	WJ-HXE400/3000T3 3TB Model (1 x 3TB HDD) WJ-HXE400/4000T4 4TB Model (1 x 4TB HDD) WJ-HXE400/6000T6 6TB Model (1 x 6TB HDD) WJ-HXE400/27000T3 27TB Model (9 x 3TB HDD) WJ-HXE400/36000T4 36TB Model (9 x 4TB HDD) WJ-HXE400/54000T6 54TB Model (9 x 6TB HDD)

OPTIONAL ACCESSORIES

	FOR WJ-NX400	FOR WJ-NX300	FOR WJ-NX200	FOR WJ-HXE400
HDD	 6TB HDD CANISTER/6000 4TB HDD CANISTER/4000 3TB HDD CANISTER/3000	 6TB HDD CANISTERNX300/T6 4TB HDD CANISTERNX300/T4	—	 6TB HDD CANISTER/6000 4TB HDD CANISTER/4000 3TB HDD CANISTER/3000
Rack Mount Kit	(Included)	Rack Mount Bracket WV-Q202 	Rack Mount Bracket WV-Q202 	(Included)
HDD Extension Unit	HDD Extension Unit WJ-HXE400 	HDD Extension Unit WJ-HXE400 	—	—
Additional License	Additional Camera CH Kit	WJ-NXE40W (32 camera license)	WJ-NXE30W (8 camera license)	WJ-NXE20W (7 camera license)
	Secure Communication Kit	WJ-NXS01W (1 camera) / WJ-NXS04W (4 cameras) / WJ-NXS16W (16 cameras) / WJ-NXS32W (32 cameras)		
	RAID Kit	—	WJ-NXR30W [*2]	—

[*1]: Monitor outputs can't be used when the number of camera license is more than 64 ch. [*2]: Additional RAID Kit WJ-NXR30W is necessary to activate RAID 1/5/6 features.

i-PRO SYSTEM PRODUCTS

VIDEO ENCODER



MODEL #	WJ-GXE500	WJ-GXE100
Video input	4CH BNC (composite)	1CH BNC (composite)
Video compression	H.264 / MPEG4 / JPEG	H.264 / JPEG
Camera Control	Coax/RS485	RS485
Optional Rack Mount	WV-Q204/2S	—

COAXIAL-LAN CONVERTER



MODEL #		WJ-PC200	WJ-PR204	WJ-PR201
		Camera Side Unit	4CH Receiver	1CH Receiver
Max. Distance w/ AC adaptor	PoE cam	—	1,640 ft. (500 m)	
	non - PoE cam	—	1,640 ft. (500 m)	6,561 ft. (2.0 km)
Optional Rack Mount		—	BY-HCA10A	

SYSTEM CONTROLLER



MODEL #	WV-CU980
	Integrated control for Camera, Recorder and GUI: - 3-D Joystick for Pan/Tilt/Zoom control - Work with WV-ASM300, Video Insight VIM+ version 7.6 or later * WV-ASM200, WV-ASC970 is not supported

MANAGEMENT SOFTWARE



MODEL #	WV-ASM300W	
	i-PRO Management software - H.265/H.264/JPEG - Integrated camera control, recorder management - Up to 100 recorders, 64 encoders, 256 cameras can be registered. - Supports 16:9, 4:3 and 9:16 corridor format - Optional WV-CU950 system controller provides direct joystick control.	
Extension Software License	WV-ASE202W	Expand maximum numbers of multi screens from 16 to 64
	WV-ASE203W	Expand maximum numbers of registration devices - 1 license : +100 recorder, +64 encoders, +256 cameras - up to 4 licenses registerable
	WV-ASE204W	Enable decoder registration. up to 10 decoders
	WV-ASE205W	Enable Visibility Enhancement function - Snowfall and Rainfall Noise Reduction - Multi-frame Synthesis Noise Reduction - Spatial Tonal Correction
	WV-ASE306W	Enable VI server control and management

ANALOG CAMERAS



MODEL #		WV-CW634S	WV-CF634	WV-CP630/WV-CP634	WV-CP310/WV-CP314
CAMERA TYPE		DOME	DOME	BOX	BOX
Environment Type		Outdoor	Indoor	Indoor	Indoor
Sensor		1/3 type interline transfer CCD	1/3 type interline transfer CCD	1/3 type interline transfer CCD	1/3 type interline transfer CCD
Max. Resolution	Horizontal	700 TV lines	650 TV lines	700 TV lines	650 TV lines
Super Dynamic/WDR/BLC		Super-D	Super-D	Super-D	BLC
Day/Night		Yes(ICR)	Yes(ICR)	Yes(ICR)	Yes(ICR)
Focus Adjustment		ABF	ABF	ABF	Focus Assist
Min. Illumination	Color	0.08lx	0.08lx	0.08lx	0.08lx
	Color (Sens up)	0.0024lx	0.0025lx	0.003lx	0.0025lx
	B/W	0.08lx	0.08lx	0.008lx	0.008lx
	B/W (Sens up)	0.00024lx	0.0003lx	0.0003lx	0.00025lx
Lens		f=3.8 to 8.0mm, F1.4	f=3.8 to 10mm, F1.4	optional	optional
Angular field of view		H:33.6°(Tele) to 74.9°(Wide) V:25.2°(Tele) to 55.7°(Wide)	H:27.6°(Tele) to 100.8°(Wide) V:20.7°(Tele) to 73.8°(Wide)	—	—
Optical Zoom/Digital Zoom		2.1x/2x	3.6x/2x	-/2x	-/2x
Pan/Tilt Range		±170°, ±75°	180°to -170°, ±90°	—	—
Built-in IR LED		—	—	—	—
VMD (Video Motion Detection)		Yes	Yes	Yes	Yes
Intelligent Video Analytics		Scene Change	Scene Change	Scene Change	Scene Change
External I/O		—	—	ALARM IN:1(OFF/ALARM/VMD PERMIT/BW) ALARM OUT:1(OFF/ALARM/BW)	—
Vandal Resistant		IEC 60068-2-75 Test Eh, 50J	—	—	—
Water and Dust Resistance		IP66	—	—	—
Rain wash coating		—	—	—	—
Temperature		+14°F to +140°F -30°C to 60°C(With optional heater)	+14°F to +122°F	+14°F to +122°F	+14°F to +122°F
Power Source		24 V AC or 12 V DC	24 V AC or 12 V DC	WV-CP630: 120 V AC WV-CP634: 24 V AC or 12 V DC	WV-CP310: 120 V AC WV-CP314: 24 V AC or 12 V DC

NEW NETWORK CAMERA MODEL NUMBER FORMAT

W	V	-	S	2	5	3	1		L	T	N
			Series	Form	Environment	Resolution	Grade		Other Features	&	Minor Changes
			X : Hi-end S : Standard U : Low-end	9 : - 8 : Multi-Sensor 7 : PTZ (Aero) 6 : PTZ (Dome) 5 : PT 4 : 360 deg. 3 : Compact Dome 2 : Dome 1 : Box 0 : -	9 : - 8 : - 7 : - 6 : - 5 : Outdoor Vandal 4 : Outdoor Normal 3 : - 2 : Indoor Vandal 1 : Indoor Normal 0 : -	9 : - 8 : 6K (24MP) 7 : 4K (12MP) 6 : - 5 : 5MP 4 : 4MP 3 : FHD 2 : - 1 : HD 0 :-	9 : 8 : 7 : 6 : 5 : 4 : 3 : 2 : 1 : 0 :		A-D : Minor Change L : LED N : ClearSight M : M12 W : Wireless T : Long focal lens		

VIDEO INSIGHT LICENSE BUNDLED WITH PANASONIC CAMERAS MANUFACTURED AFTER OCTOBER 2014

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

ELIGIBLE PANASONIC CAMERAS

PTZ Dome

SW598/SW598A, SW397A/SW397B, SW396/396A, SW395/395A, SC588/SC588A, SC387/SC387A, SC386, SC385, SC384, S6131, S6111, S6130, S6530N, X6533LN, S6532LN, X6531N

Outdoor Vandal Fixed Dome

SFV781L, SFV631L/LT, SFV611L, SFV531, SW559, SW558, NW502S, SFV311, SFV310, SW355, SW352, SW158, SW155, SW155MA, SW152/152M, SW115, SFV110/M, SFV130/M, S2531LTN, S2531LN, 2511LN, S2550L, S3531L, S3532LM, S3511L, S3512LM, S2570L, U2542L, U2532L, U2540L, U2530L

Indoor Vandal Fixed Dome

SFR631L, SFR611L, SFR531, SF549, SF548, SFR311, SFR310, SF346, SF342, S2231LN, S2211LN, S2250L, S2270L

Indoor Fixed Dome

SFN631L, SFN611L, SFN531, SF539, SF538, SFN311L, SFN311, SFN310, SF336, SF335, SF332, SF138, SF135, SF132, SFN110, SFN130, S2131L, S2111L, S2110, S3131L, S3111L, U2142L, U2132L, U2140L, U2130L

Outdoor Box

SPV781L, SPW631L/LT, SPW611L, SPW611, SW316L, SW316, SW314, SPW531AL, SPW311AL, S1531LTN, S1531LN, S1511LN, S1550L, S1570L, U1532L

Indoor Box

SPN631, SPN611, SPN531, SP509, SP508, SPN311, SPN310, SP306, SP305, SP304V, SP302, SP105, SP102, S1111, S1311, U1132, U1130

360° Dome

SFV481, SFN480, SW458, SW458MA, SF448, SF438, X4571LM/X4571L, X4171, X4170, S4550LM/S4550L, S4150

PT Camera

SW175, SW174W, SW172, ST165, ST162, BL-VT164W, BL-VT164, BL-VP104W, BL-VP104, BL-VP101

Multi-Sensor

X8570N, S8530N

Encoder

GXE500, GXE100

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 M=2013, N=2014, O=2015.
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:
security.us.panasonic.com

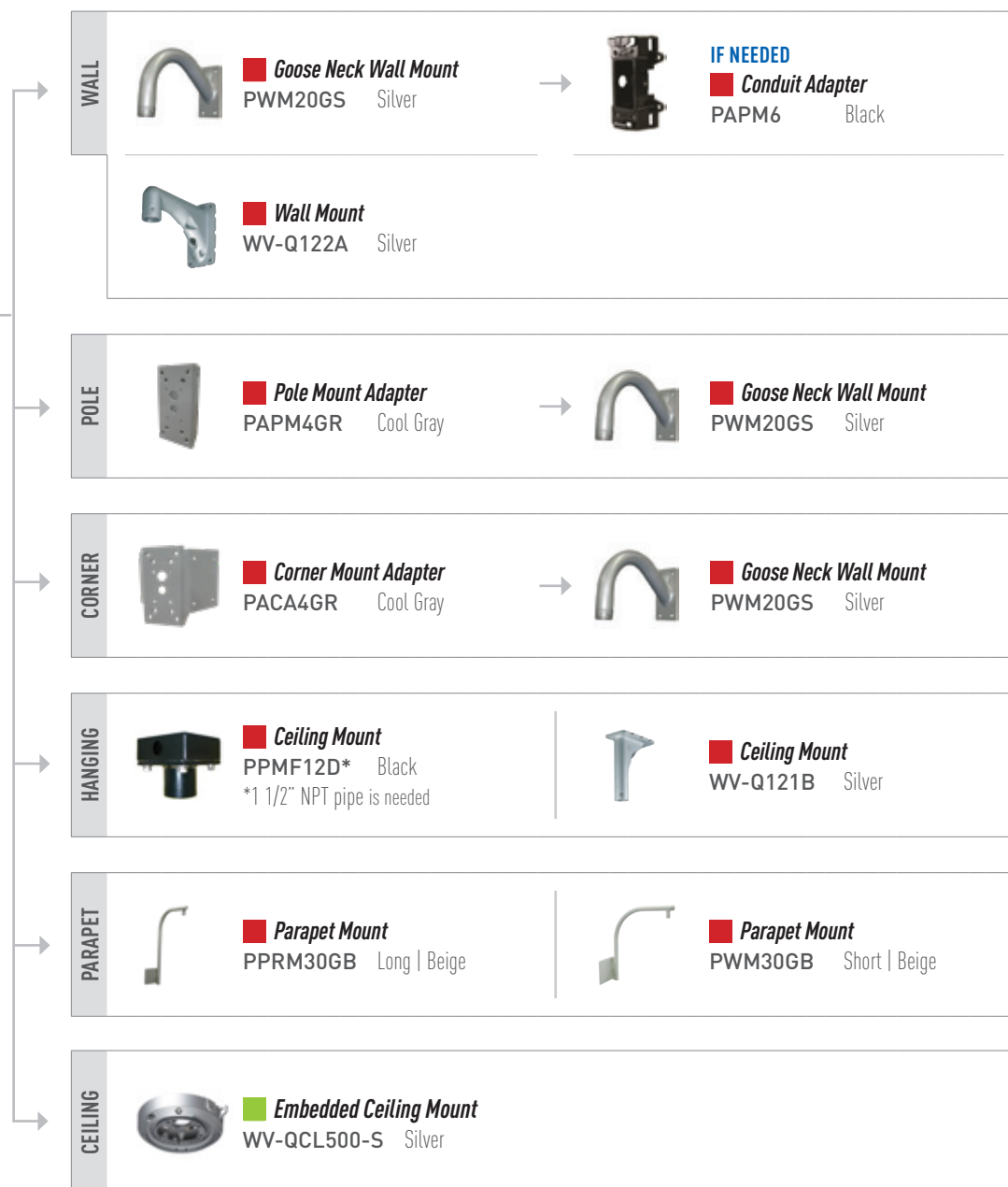
OUTDOOR PTZ CAMERAS



OUTDOOR

WV-X6533LN	2MP - 40x Zoom w/ ClearSight and Long Distance IR (1,150 feet)	Silver
WV-S6532LN	2MP - 22x Zoom w/ ClearSight and Long Distance IR (330 feet)	Silver
WV-X6531N	2MP - 40x Zoom w/ ClearSight	Silver
WV-X6511N	1.3MP - 40x Zoom w/ ClearSight	Silver
WV-S6530N	1.3MP - 21x Zoom w/ ClearSight	Silver

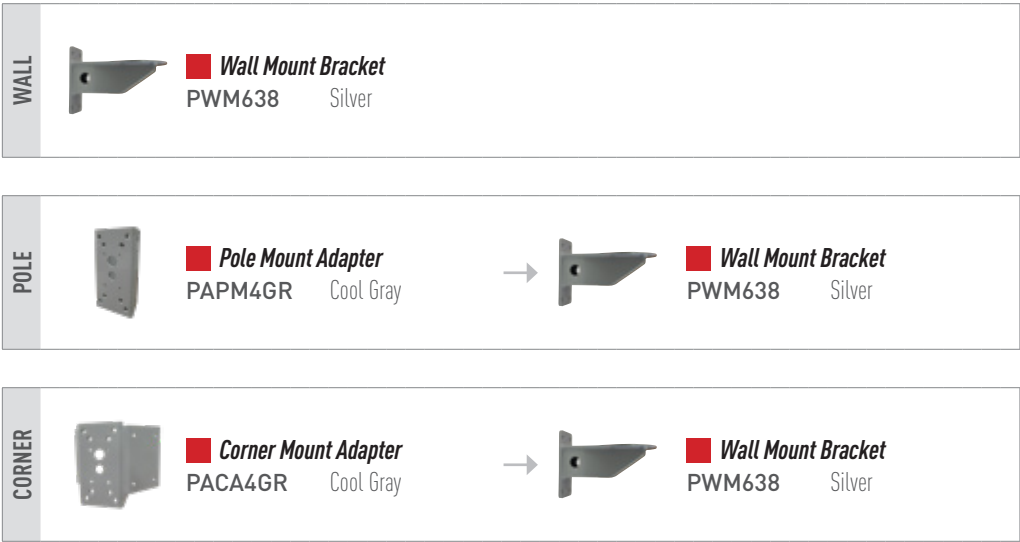
ENVIRONMENT: ■ INDOOR ■ OUTDOOR



AERO PTZ CAMERA



ENVIRONMENT: ■ INDOOR ■ OUTDOOR



OUTDOOR

WV-SUD638	2MP - 30x Zoom	Silver
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ACCESSORIES		
PICTURE	SKU DESCRIPTION	WV-SUD638
	WV-SUD6FRL1 IR LED Unit	☒

INDOOR PTZ CAMERAS



INDOOR

WV-S6131	2MP - 40x Zoom	White
WV-S6111	1.3MP - 40x Zoom	White
WV-S6130	2MP - 21x Zoom	Silver

ACCESSORIES

PICTURE	SKU DESCRIPTION	S6131 S6111	S6130
	WV-CS5C Clear Dome	✓	
	WV-CS5S Smoke Dome	✓	
	WV-Q161 Inner Dome Cover		✓

ENVIRONMENT: ■ INDOOR ■ OUTDOOR

WALL	 FOR WV-S6131/S6111 ■ Wall Mount WV-Q119 White	 FOR WV-S6130 ■ Wall Mount Bracket WV-Q158C Clear Dome WV-Q158S Smoke Dome
	 ■ Dome Housing with Wall Mount POD9CWA Silver Clear/H&B*	 IF NEEDED ■ Conduit Adapter PAPM6 Black
POLE	 ■ Pole Mount Adapter PAPM4GR Cool Gray	 ■ Dome Housing with Wall Mount POD9CWA Silver Clear/H&B*
CORNER	 ■ Corner Mount Adapter PACA4GR Cool Gray	 ■ Dome Housing with Wall Mount POD9CWA Silver Clear/H&B*
HANGING	 ■ Ceiling Mount PPMF12D* Black *1 1/2" NPT pipe is needed	 ■ Dome Housing with Pendant Mount POD9CA Silver Clear/H&B*
	 ■ Ceiling Mount WV-QCL101-W White* *1 1/2" NPT pipe is needed	 ■ Ceiling Mount WV-QCL101-W White
CEILING	 FOR WV-S6131/S6111 ■ Embedded Ceiling Mount WV-Q126A Silver	 FOR WV-S6130 ■ Embedded Ceiling Housing WV-Q159C Silver Clear Dome WV-Q159S Silver Smoke Dome
	 ■ Vandal Embedded Ceiling Housing PIDV7CN Clear Dome PIDV7SN Smoke Dome	 ■ Surface Mount Housing WV-Q160C Silver Clear Dome WV-Q160S Silver Smoke Dome PISM5V White Vandal
	 ■ Ceiling Surface Mount WV-Q105A Silver	 ■ Ceiling Surface Mount WV-Q105A Silver

*H&B: Heater & Blower

MULTI-SENSOR CAMERAS



OUTDOOR

WV-X8570N	33MP - (4K x 4)	Gray
WV-S8530N	8MP - (2MP x 4)	Gray

ENVIRONMENT: ■ INDOOR ■ OUTDOOR

WALL	 Vandal Wall Mount Kit PWM850 Cool Gray INCLUDED COMPONENTS PWM40, PS781	 IF NEEDED Conduit Adapter PAMP6 Black
POLE	 Pole Mount Adapter PAPM4GR Cool Gray	 Vandal Wall Mount Kit PWM850 Cool Gray
CORNER	 Corner Mount Adapter PACA4GR Cool Gray	 Vandal Wall Mount Kit PWM850 Cool Gray
HANGING	 Ceiling Mount PPMF12D* Black *1 1/2" NPT pipe is needed	 Shroud Bracket PS781 Cool Gray
PARAPET	 Parapet Mount PPRM30GB Long Beige PWM30GB Short Beige	 Shroud Bracket PS781 Cool Gray
CEILING	 Ceiling Surface Mount WV-Q105A Silver	
PACKAGE ITEMS	 PWM40	 PS781

DOME CAMERAS



OUTDOOR

WV-S2570L	4K - Clear Dome	Gray
WV-S2550L	5MP - Clear Dome	Gray
WV-S2531LTN	2MP - Clear Dome w/ ClearSight	Gray
WV-S2531LN	2MP - Clear Dome w/ ClearSight	Gray
WV-S2511LN	1.3MP - Clear Dome w/ ClearSight	Gray
WV-U2542L	4MP - Clear Dome	White
WV-U2532L	2MP - Clear Dome	White

ACCESSORIES

PICTURE	SKU DESCRIPTION	S2570L S2550L	S2531LTN S2531LN S2511LN	U2542L U2532L
	WV-CW7S Smoke Dome	✓	✓	✓
	WV-CW7SN Smoke Dome with ClearSight Coating	✓	✓	✓
	WV-CW7CN Clear Dome with ClearSightCoating	✓	✓	✓

ENVIRONMENT: ■ INDOOR ■ OUTDOOR

WALL		Vandal Wall Mount Kit PWM485S Cool Gray PWM485W White	→		IF NEEDED Conduit Adapter PAPM6 Black	 Extended Sun Shade WV-Q7118 Beige WV-QSR500-W White COMING SOON
		Vandal Wall Mount WV-QWL500-G Gray WV-QWL500-W White	→		IF NEEDED Adapter Box WV-QJB500-G Gray WV-QJB500-W White	
POLE		Pole Mount Adapter PAPM4GR Cool Gray PAPM4W White	→		Vandal Wall Mount Kit PWM485S Cool Gray	
CORNER		Corner Mount Adapter PACA4GR Cool Gray PACA4W White	→		Vandal Wall Mount WV-QWL500-G Gray WV-QWL500-W White	
HANGING		Ceiling Mount WV-Q121B Silver	→		Shroud Bracket WV-Q124 Silver	
		Ceiling Mount PPMF12D Black* *1 1/2" NPT pipe is needed	→		Shroud Bracket PS485S Cool Gray	
		Ceiling Mount WV-QCL101-W White* *1 1/2" NPT pipe is needed	→		Ceiling Mount WV-QCL101-W White	
CEILING		Embedded Ceiling Mount WV-Q169A Silver WV-QEM500-W White COMING SOON			Ceiling Surface Mount WV-Q105A Silver	
		FOR WV-U2542L/U2532L Ceiling Surface Mount WV-QJB501-W White				
PARAPET		Parapet Mount PPRM30GB Long Beige PWM30GB Short Beige	→		Shroud Bracket PS485S Cool Gray	

DOME CAMERAS



OUTDOOR

WV-U2540L	4MP - Clear Dome	White
WV-U2530L	2MP - Clear Dome	White

INDOOR

WV-S2270L	4K - Clear Dome	Gray
WV-S2250L	5MP - Clear Dome	Gray
WV-S2231L	2MP - Clear Dome	Gray
WV-S2131L	2MP - Clear Dome	Gray
WV-S2211L	1.3MP - Clear Dome	Gray
WV-S2111L	1.3MP - Clear Dome	Gray
WV-S2110	1.3MP - Clear Dome	Gray
WV-U2142L	4MP - Clear Dome	White
WV-U2132L	2MP - Clear Dome	White
WV-U2140L	4MP - Clear Dome	White
WV-U2130L	2MP - Clear Dome	White

ACCESSORIES

PICTURE	SKU DESCRIPTION	S2270L S2250L S2231L S2211L	S2131L S2111L S2110	U2142L U2132L	U2540L U2530L U2140L U2130L
	WV-CF5SA Smoke Dome		✓	✓	
	WV-CR1S Smoke Dome		✓		
	WV-QDC500S Smoke Dome				✓

ENVIRONMENT: ■ INDOOR ■ OUTDOOR

WALL	 Vandal Wall Mount WV-QWL500-G Gray WV-QWL500-W White	→	 IF NEEDED Adapter Box WV-QJB500-G Gray WV-QJB500-W White
POLE	 Pole Mount Adapter PAPM4GR Cool Gray PAPM4W White	→	 Vandal Wall Mount WV-QWL500-G Gray WV-QWL500-W White
CORNER	 Corner Mount Adapter PACA4GR Cool Gray PAPM4W White	→	 Vandal Wall Mount WV-QWL500-G Gray WV-QWL500-W White
HANGING	 Ceiling Mount WV-QCL101-W White* *1 1/2" NPT pipe is needed	→	 Ceiling Mount WV-QCL101-W White
CEILING	 FOR WV-S22**/S21** AND WV-U2142/U2132 ONLY Ceiling Surface Mount WV-Q105A Silver		 FOR WV-S22**/S21** AND WV-U2142/U2132 ONLY Embedded Ceiling Mount WV-Q174B Sail White

COMPACT DOME CAMERAS



OUTDOOR

WV-S3531L	2MP- Clear Dome	Gray
WV-S3532LM	2MP- Clear Dome	Gray
WV-S3511L	1.3MP- Clear Dome	Gray
WV-S3512LM	1.3MP- Clear Dome	Gray

INDOOR

WV-S3131L	2MP- Clear Dome	White
WV-S3111L	1.3MP- Clear Dome	White

ACCESSORIES

PICTURE	SKU DESCRIPTION	S3531L S3532LM S3511L S3512LM	S3131L S3111L
	WV-CW6SA* Smoke Dome	✓	✓

* Only cameras manufactured in December 2019 or later are supported. The cameras starting with the serial number "SL" were manufactured in December 2019

ENVIRONMENT: ■ INDOOR ■ OUTDOOR

WALL		■ Vandal Wall Mount WV-QWL500-G Gray WV-QWL500-W White	→		IF NEEDED ■ Adapter Box WV-QJB500-G Gray WV-QJB500-W White
		■ Pole Mount Adapter PAPM4GR Cool Gray	→		■ Vandal Wall Mount WV-QWL500-G Gray
		■ Corner Mount Adapter PACA4GR Cool Gray	→		■ Vandal Wall Mount WV-QWL500-G Gray
		■ Ceiling Mount WV-QCL101-W White* *1 1/2" NPT pipe is needed	→		■ Ceiling Mount WV-QCL101-W White

OUTDOOR BOX CAMERAS

ENVIRONMENT: ■ INDOOR ■ OUTDOOR



OUTDOOR

WV-S1570L	4K - 4.3 to 8.6mm Motorized Lens	Silver
WV-S1550L	5MP - 2.9 to 9mm Motorized Lens	Silver
WV-S1531LTN	2MP - 9 to 21mm Motorized Lens	Silver
WV-S1531LN	2MP - 2.8 to 10.0 mm Motorized Lens	Silver
WV-S1511LN	1.3MP - 2.8 to 10mm Motorized Lens	Silver
WV-U1542L	4MP - 2.9 to 7.25mm Motorized Lens	White
WV-U1532L	2MP - 2.9 to 7.25mm Motorized Lens	White

ACCESSORIES

PICTURE	SKU DESCRIPTION	S1570L S1550L	S1531LTN S1531LN S1511LN	U1542L U1532L
	WV-CW8CN Front Cover with ClearSight Coating	✓	✓	

WALL		FOR WV-U1542L/U1532L Adapter Box WV-QJB500-W White		INCLUDED IN WV-S15** SERIES Adapter Box WV-Q120A Silver
		Pole Mount Adapter PAMP4GR Cool Gray PAMP4W White	→ 	FOR WV-U1542L/U1532L Adapter Box WV-QJB500-W White
		Corner Mount Adapter PACA4GR Cool Gray PAMP4W White	→ 	FOR WV-U1542L/U1532L Adapter Box WV-QJB500-W White

INDOOR BOX CAMERAS



ACCESSORIES

SKU	DESCRIPTION	S1131 S1111
	PLAMP0850A Optional Lens 1/2.7 8.0-50.0mm @ F1.6 Auto Iris	✓
	PLAMP2808A Optional Lens 1/2.7 2.8-8.0mm @ F1.2 Auto Iris	✓
	PLAMP0490 Optional Lens 1/1.8 4.1-9.0mm @ F1.6 Auto Iris	✓



INDOOR

WV-U1142	4MP - 2.9 to 7.25mm Motorized Lens	White
WV-U1132	2MP - 2.9 to 7.25mm Motorized Lens	White
WV-U1130	2MP - 3.16 mm fixed Lens	White

ENVIRONMENT: ■ INDOOR ■ OUTDOOR

INDOOR

WV-S1131	2MP - Lens not included	White
WV-S1111	1.3MP - Lens not included	White

WALL / CEILING



■ **Wall Mount (Wall / Ceiling)**
PUM8 White



■ **Vandal Housing (Only Wall)**
POH1100HB Cool Gray

POLE



■ **Pole Mount Adapter**
PAPM4GR Cool Gray



■ **Vandal Housing**
POH1100HB Cool Gray

CORNER



■ **Corner Mount Adapter**
PACA4GR Cool Gray



■ **Vandal Housing**
POH1100HB Cool Gray

WALL / CEILING



■ **Wall Mount (Wall / Ceiling)**
PUM8 White

360 DEGREE DOME CAMERAS



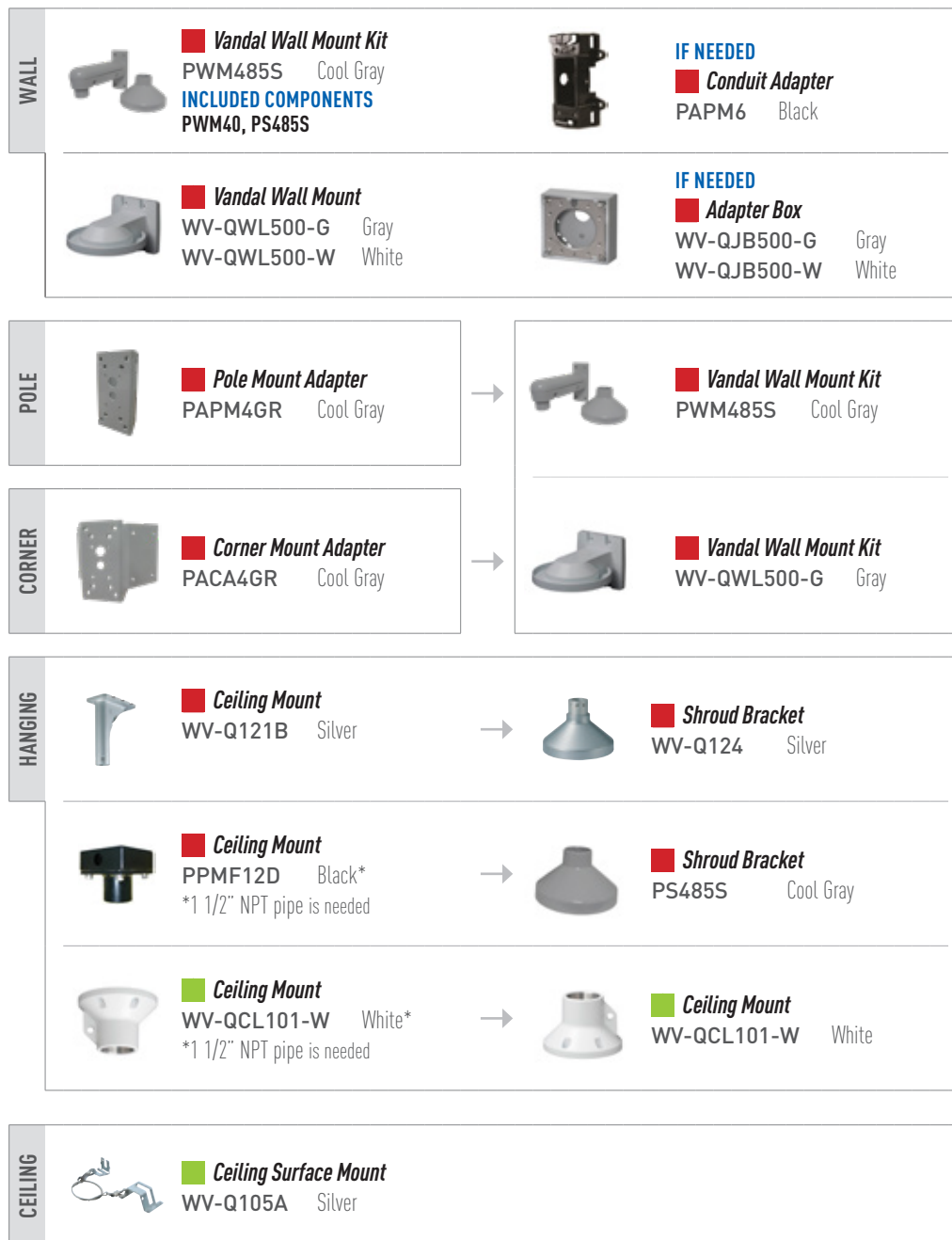
OUTDOOR

WV-X4571LM	9MP - M12 (Transit Model)	Gray
WV-X4571L	9MP	Gray
WV-S4550LM	5MP - M12 (Transit Model)	Gray
WV-S4550L	5MP	Gray

INDOOR

WV-X4171	9MP	White
WV-X4170	9MP	White
WV-S4150	5MP	White

ENVIRONMENT: ■ INDOOR ■ OUTDOOR



OUTDOOR ANALOG DOME CAMERAS



OUTDOOR

WV-CW634S - w/ Mount Bracket Clear Dome

ACCESSORIES

PICTURE	SKU DESCRIPTION	CW634S
	WV-CW4SA Smoke Dome	✓
	WV-CW5HA Optional Heater	✓
	PLA22T3DN Optional Lens 1/3" 2.2mm @ F1.2 Auto Iris	✓
	PLZ29/27 Optional Lens 1/3" 2.9-8.0mm @ F0.95 Auto Iris	✓
	PLZ15/33 Optional Lens 1/3" 15.0-50.0mm @ F1.6 Auto Iris	✓

ENVIRONMENT: ■ INDOOR ■ OUTDOOR

WALL		Vandal Wall Mount Kit PWM485S Cool Gray INCLUDED COMPONENTS PWM40, PS485S	IF NEEDED PAPM6		Extended Sun Shade WV-Q7118 Beige
POLE		Pole Mount Adapter PAPM4GR Cool Gray			Vandal Wall Mount Kit PWM485S Cool Gray
CORNER		Corner Mount Adapter PACA4GR Cool Gray			Vandal Wall Mount Kit PWM485S Cool Gray
HANGING		Ceiling Mount WV-Q121B Silver			Shroud Bracket WV-Q124 Silver
		Ceiling Mount PPMF12D Black* *1 1/2" NPT pipe is needed			Shroud Bracket PS485S Cool Gray
CEILING		Embedded Ceiling Mount WV-Q169A Silver PRCM1 White			Ceiling Surface Mount WV-Q105A Silver
PARAPET		Parapet Mount PPRM30GB Long Beige PWM30GB Short Beige			Shroud Bracket PS485S Cool Gray



INDOOR ANALOG DOME CAMERAS

INDOOR

WV-CF634 Clear Dome

ENVIRONMENT: ■ INDOOR ■ OUTDOOR

CEILING



■ **Ceiling Surface Mount**
WV-Q105A Silver



■ **Embedded Ceiling Mount**
PRCM1 White



■ **Embedded Ceiling Mount**
WV-Q174B Sail White



■ **Pendant Mount Housing**
PPMS1B Beige



INDOOR ANALOG BOX CAMERAS

ACCESSORIES

SKU	DESCRIPTION	CP630/634 CP310/314
	PLA22T3DN Optional Lens 1/3" 2.2mm @ F1.2 Auto Iris	✓
	PLZ27/5DN Optional Lens 1/3" 2.7-13.5mm @ F1.3 Auto Iris	✓
	PLZ29/27 Optional Lens 1/3" 2.9-8.0mm @ F0.95 Auto Iris	✓
	PLZ5/10 Optional Lens 1/3" 5.0-50.0mm @ F1.6 Auto Iris	✓
	PLZ15/33 Optional Lens 1/3" 15.0-50.0mm @ F1.5 Auto Iris	✓
	PLZ20/5 Optional Lens 1/3" 20.0-100.0mm @ F1.6 Auto Iris	✓

INDOOR

WV-CP630/634 w/ Auto Back Focus, Lens not included

WV-CP310/314 Lens not included

ENVIRONMENT: ■ INDOOR ■ OUTDOOR

WALL/CEILING



■ **Wall Mount (Wall/Ceiling)**
PUM8 White



■ **Vandal Housing (Only Wall)**
POH1100HB Cool Gray

POLE



■ **Pole Mount Adapter**
PAPM4GR Cool Gray



■ **Vandal Housing**
POH1100HB Cool Gray

CORNER



■ **Vandal Corner Mount Kit**
PACA4GR Cool Gray



■ **Vandal Housing**
POH1100HB Cool Gray

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ADVIDIA PRODUCTS

IP Solutions
for all application needs



ADVIDIA NETWORK CAMERAS

The Advidia line of IP network video surveillance cameras provides a wide range of affordable IP camera models that are perfect for video surveillance projects of any size. Each Advidia camera comes bundled with a free copy of Video Insight Enterprise Video Management Software, a 4-year warranty, and FREE software updates for the life of the camera.



Dome Cameras

IP Dome Cameras for Video Surveillance and Security



360° Dome Cameras

360° Dome cameras are ideal for surveillance applications that require wide area coverage in a single view. This type of cameras can be used to improve area management as well as detect activities in a large area.



PTZ Cameras

The Advidia PTZ network camera delivers unparalleled image quality, versatility, and 20x optical zoom control.



Bullet Cameras

Bullet cameras are a cost-effective video surveillance solution. Perfect for indoor and outdoor applications. Bullet Cameras deliver crisp, clear images.

ADVIDIA DOME CAMERAS



MODEL #		A-27-F	A-T-27-V	A-45-F	A-45-F-2.8
Resolution		2MP	2MP	4MP	4MP
Environmental Type		Indoor Outdoor	Indoor Outdoor	Indoor Outdoor	Indoor Outdoor
Sensor		1/2.8 CMOS	1/3 CMOS	1/3 CMOS	1/3 CMOS
Video Codec		H.265 / MJPEG / H.264	TVI	H.265/H.264 / MJPEG / H.264+	H.265/H.264 / MJPEG / H.264+
Max. Resolution		1920 x 1080	1920 x 1080	2688 x 1520	2688 x 1520
Max. FPS @ Max. Resolution	H.265 / H.264 / JPEG	30fps @ 60Hz (1920 x 1080)	30fps @ 60Hz (1920 x 1080)	20fps @ 60Hz (2688 x 1520)	20fps @ 60Hz (2688 x 1520)
True WDR		True WDR @ 120 dB	True WDR @ 120dB	True WDR @ 120 dB	True WDR @ 120 dB
Day/Night ICR / IR		Yes ICR	Yes	Yes ICR	Yes ICR
ABF (Auto Back Focus) / Auto Focus		-	Remote Focus	-	-
Min. Illumination	Color	0.005 Lx	.005 Lx	0.01 Lx	0.01 Lx
	B/W	0.000 Lx with IR	0 Lux with IR	0.00 Lx with IR	0.00 Lx with IR
Lens		f= 2.8 mm, F1.6	2.8mm to 12mm	f= 4.0 mm, F2.0	f= 2.8 mm, F2.0
Horizontal field of view	16: 9	108 deg.	32.1° to 103°	83 deg.	106 deg.
Adjusting Angle	Pan	0 to +355 deg	0° to 340°	-30 to +30 deg	-30 to +30 deg
	Tilt	0 to +75 deg	0° to 75°	0 to +75 deg	0 to +75 deg
Optical Zoom		-	-	-	-
Digital Zoom		4x	-	4x	4x
Built-in IR LED		Yes (30 m)	EXIR (40m)	Yes (30 m)	Yes (30 m)
Image Stabilizer		-	No	-	-
Corridor Mode		-	No	-	-
VMD (Video Motion Detection)		Yes (2)	see V2 Encoder	Yes	Yes
Analytics		Intrusion, Line cross	No	Intrusion, Line cross	Intrusion, Line cross
Max. Connection		-	-	-	-
Audio	In (Line) / Out	No / No	No	No / Yes	No / No
	In (Built-in MIC)	-	No	Yes	Yes
	Codec	-	see V2 Encoder	G.711 / G.722.1 / G.726 / MP2L2	G.711 / G.722.1 / G.726 / MP2L2
SD memory Card	Slot	Yes (SDXC) (256GB)	No	Yes (SDXC) (256GB)	Yes (SDXC) (256GB)
External I/O		No	No	Yes (1in / 1out)	-
Monitor Out		-	No	-	-
Vandal Resistant		IK10	IK10	IK08	IK08
Water and Dust Resistance		IP67	IP67	IP67	IP67
Temperature		-22°F to 140°F	-40°F to 140°F	-22°F to 140°F	-22°F to 140°F
Power Source		12 V DC / PoE	12 V DC, 24VDC	12 V DC / PoE	12 V DC / PoE
Other Functions		Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, 3D DNR, BLC	-	Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, 3D DNR, BLC	Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, 3D DNR, BLC

ADVIDIA DOME CAMERAS



MODEL #		A-46-F	A-46-FW	A-87-V	B-27-V
Resolution		4MP	4MP	8MP (4K)	2MP
Environmental Type		Indoor Outdoor	Indoor Outdoor	Indoor Outdoor	Indoor Outdoor
Sensor		1/3 CMOS	1/3 CMOS	1/2.5 CMOS	1/2.9 CMOS
Video Codec		H.265/H.264 / MJPEG / H.264+	H.265/H.264 / MJPEG / H.264+	H.265 / H.264	H.265 / H.264/ MJPEG
Max. Resolution		2304 x 1296	2304 x 1296	3840 x 2160	1920 x 1080
Max. FPS @ Max. Resolution	H.265 / H.264 / JPEG	20fps @ 60Hz (2304 x 1296)	20fps @ 60Hz (2304 x 1296)	15fps @ 60Hz (3840 x 2160)	30 fps at (1920 x 1080)
True WDR		True WDR @ 120 dB	True WDR @ 120 dB	True WDR @ 120dB	True WDR @ 120 dB
Day/Night ICR / IR		Yes ICR	Yes ICR	Yes	Yes (IR)
ABF (Auto Back Focus) / Auto Focus		-	-	Remote Focus	Auto Focus
Min. Illumination	Color	0.01 Lx	0.01 Lx	0.01 Lx	0.02 Lx @ F1.4
	B/W	0.00 Lx with IR	0.00 Lx with IR	0 Lux with IR	0.00 Lx with IR
Lens		f= 4 mm, F2.0	f= 2.8 mm, F2.0	2.8mm to 12mm	f= 2.7 to 12.0 mm
Horizontal field of view	16: 9	90 deg.	106 deg.	105° to 34.5°	102 to 32deg.
Adjusting Angle	Pan	0 to +355 deg	0 to +355 deg	0° to 355	0 to -360 deg
	Tilt	0 to +75 deg	0 to +75 deg	0° to 75	15 to -90 deg
Optical Zoom		-	-	-	4.4 X
Digital Zoom		4x	4x	-	16X
Built-in IR LED		Yes (30 m)	Yes (30 m)	EXIR (30m)	Yes (30m)
Image Stabilizer		-	-	No	No
Corridor Mode		-	-	No	-
VMD (Video Motion Detection)		Yes	Yes	Yes	Yes (8)
Analytics		Intrusion, Line cross	Intrusion, Line cross	Intrusion, Line cross, Face detection	Tamper Detection
Max. Connection		-	-	-	-
Audio	In (Line) / Out	No / No	No / No	Yes / Yes (Terminal Block)	No/ No
	In (Built-in MIC)	-	-	No	Yes
	Codec	-	-	G.711/G.722.1/G.726/MP2L2/PCM	G.711
SD memory Card	Slot	Yes (SDXC) (256GB)	Yes (SDXC) (256GB)	Yes (SD/SDHC/SDXC) (128GB)	Yes (MicroSD) (128GB)
External I/O		No	No	Yes (1in / 1out)	No
Monitor Out		-	-	Yes (1Vp-p composite output)	-
Vandal Resistant		IK10	IK10	IK10	-U36
Water and Dust Resistance		IP67	IP67	IP67	IP67
Temperature		-22°F to 140°F	-22°F to 140°F	-22°F to 140°F	-40°F to 140°F
Power Source		12 V DC / PoE	12 V DC / PoE	12 V DC, 24 V AC / PoE	12 V DC, 12V AC / PoE
Other Functions		Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, 3D DNR	Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, 3D DNR	Tampering alarm, Network disconnect, IP address conflict, Storage exception BLC, 3D DNR, Defog, OLB, Audio detection, Scene change detection	IP address filtering, HTTPS encryption, Password protected user level, Anonymous login, IEEE 802.1X network access control

ADVIDIA DOME CAMERAS



MODEL #		B-51	B-57-V	E-37-FSW	E-46-V	E-47-V
Resolution		5MP	5MP	3MP	4MP	4MP
Environmental Type		Indoor Outdoor	Indoor Outdoor	Indoor Outdoor	Indoor Outdoor	Indoor Outdoor
Sensor		1/3.2 CMOS	1/2.9 CMOS	1/2.8 CMOS	1/3 CMOS	1/3 CMOS
Video Codec		H.264 / MJPEG	H.265 / H.264 / MJPEG	H.265 / H.264	H.265/H.264 / MJPEG	H.265 / H.264
Max. Resolution		2592 x 1944	2592 x 1944	2048 x 1536	2304 x 1536	2688 x 1520
Max. FPS @ Max. Resolution	H.265 / H.264 / JPEG	15fps @ 60Hz (2592 x 1944)	30 fps at (2592 x 1944)	30fps @ 60Hz (2048 x 1536)	20fps @ 60Hz (2304 x 1536)	30fps @ 60Hz (2688 x 1520)
True WDR		Digital WDR	True WDR @ 120 dB	True WDR @ 120 dB	True WDR @ 120 dB	True WDR @ 120 dB
Day/Night ICR / IR		Yes (IR)	Yes (IR)	No	Yes (ICR)	Yes
ABF (Auto Back Focus) / Auto Focus		Auto Focus	Auto Focus	Fixed	Auto Focus	Auto Focus
Min. Illumination	Color	0.1 Lx @ F 1.2	0.05 Lx @ F1.4	0.03 Lx @ F2.0	0.1 Lx @ F 1.4	.03 Lx @ F 1.4
	B/W	0.00 with IR	0.00 Lx with IR	0.01 Lx @ F2.0	0.00 Lx with IR	0 Lx with IR
Lens		f= 3 to 9mm F1.2 to F2.1	f= 2.8 to 12.0 mm	f= 1.85 mm, F2.0	f= 2.7 to 13.5 mm	2.7mm to 13.5mm
Horizontal field of view	16: 9	85.7 to 30.5 deg.	71 to 25deg.	151 deg.	92 to 28 deg.	31° to 106°
Adjusting Angle	Pan	-175 to +175 deg	±135deg	0 to +355 deg	-	0 to +355 deg
	Tilt	5 to +170 deg.	0 to -90 deg	0 to +65 deg	-	0 to +65 deg
Optical Zoom		3X	4.3 X	-	-	-
Digital Zoom		4X	16X	16X	4X	16X
Built-in IR LED		Yes (40m)	Yes (30m)	No	Yes (30m)	Yes (50m)
Image Stabilizer		-	Yes (Digital)	Yes (EIS)	-	-
Corridor Mode		-	-	-	-	Yes
VMD (Video Motion Detection)		Yes [3]	Yes [4]	Yes [4]	Yes	Yes [4]
Analytics		-	Tamper Detection	Face Detection, Tamper, Scene Change	-	Tripwire, Intrusion, Object Abandoned
Max. Connection		-	-	20	-	20
Audio	In (Line) / Out	Yes / Yes	Yes / Yes	Yes / Yes	-	Yes / Yes
	In (Built-in MIC)	-	No	Yes	-	-
	Codec	G.711	G.711	G.711a / G.711Mu / AAC / G.726	-	G.711a / G.711Mu / AAC / G.726
SD memory Card	Slot	Yes (SDXC)	Yes (MicroSD) (128GB)	Yes (SDXC) (128GB)	Yes (SDXC) (128GB)	Yes (SDXC) (128GB)
External I/O		Yes (1in / 1out)	Yes (1in / 1out)	Yes (1in / 1out)	-	Yes (1in / 1out)
Monitor Out		-	-	Yes	Yes	Yes
Vandal Resistant		IK10	IK10	IK10	IK10	IK10
Water and Dust Resistance		IP67, NEMA 4	IP66	IP67	IP67	IP67
Temperature		-40°F to 122°F	-40°F to 122°F	-22°F to 140°F	-22°F to 140°F	-22°F to 140°F
Power Source		12 V DC / PoE	12 V DC, 12V AC / PoE	12 V DC, 12V AC / PoE	12 V DC / PoE	12 V DC, 12V AC / PoE
Other Functions		IP address filtering, HTTPS encryption, Password protected user level, Anonymous login, IEEE 802.1X network access control	IP address filtering, HTTPS encryption, Password protected user level, Anonymous login, IEEE 802.1X network access control	BLC, 3D DNR, HLC, Auto ICR, Edge Dewarp	-	BLC, HLC, 3D DNR

ADVIDIA PTZ DOME CAMERAS



MODEL #		A-300	B-200-PTZ	B-210
Resolution		2MP	2MP	2MP
Environmental Type		Indoor Outdoor	Indoor Outdoor	Indoor Outdoor
Sensor		1/2.8 CMOS	1/2.8 CMOS	1/2.8 CMOS
Video Codec		H.265 / H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG
Max. Resolution		1920 x 1080	1920 x 1080	1920 x 1080
Max. FPS @ Max. Resolution	H.265 / H.264 / JPEG	30fps @ 60Hz (1920 x 1080)	60fps @ 60Hz (1920 x 1080)	30fps @ 60Hz (1920 x 1080)
True WDR		Digital WDR	True WDR @145dB	Digital WDR
Day/Night ICR / IR		Yes (ICR)	No	Yes (ICR)
ABF (Auto Back Focus) / Auto Focus		Auto Focus	Auto Focus	Auto Focus
Min. Illumination	Color	0.05 Lx @ F 1.6	0.1 Lx @ F 1.6	0.1 Lx @ F 1.8
	B/W	0.00 with IR	0.5 Lx @ F1.6	0.05 Lx @ F1.8
Lens		f= 4.3 to 129.0 mm, F 1.6 to F 3.5	f= 4.7- 94mm@ F1.6-3.5	f= 4.9 to 49.0 mm
Horizontal field of view	16: 9	58.3 to 3.2 deg.	62 to 2.8 deg.	57.8 to 6.9 deg.
Adjusting Angle	Pan	360 deg. Endless	0 to -360 deg	-175 to +175 deg
	Tilt	-15 to +90 deg. Auto flip	-22 to -200 deg	0 to +180 deg. E Flip
Optical Zoom		30X	20 X	10 X
Digital Zoom		16X	16X	4X
Built-in IR LED		Yes (150m)	No	-
Image Stabilizer		-	-	-
Corridor Mode		-	-	-
VMD (Video Motion Detection)		Yes	Yes	Yes (3)
Analytics		Auto object tracking, Line cross, Face, Audio	Face Detection, Tampering, Shock Detection, PTZ Auto Tracking, Line Crossing, Enter Area, Missing Object, Unattended, Object, Loitering	-
Max. Connection		32	-	-
Audio	In (Line) / Out	Yes / Yes	Yes / Yes (3.5mm)	Yes / Yes
	In (Built-in MIC)	-	No	No
	Codec	G.711 / G.722.1 / G.726 / MP2L2	G.711	G.711
SD memory Card	Slot	Yes (SDXC) (128GB)	Micro SDHC, Micro SDXC (128GB Max)	Yes (SDXC)
External I/O		Yes (7in / 2out)	Yes (1in / 1out)	Yes (1in / 1out)
Monitor Out		Yes (mini jack)	-	-
Vandal Resistant		IK10	IK09	IK10
Water and Dust Resistance		IP66	IP67	IP67, NEMA 4
Temperature		-22°F to 149°F	-61.6°F ~ 140 °F / [-40°F ~ 140°F with High PoE]	-4°F to 122°F
Power Source		24 V AC / High P. PoE (Included)	PoE: 29.4W, 68W AC PoE, AC: 68W,	12 V DC / PoE
Other Functions		Tampering alarm, Network disconnect, IP address conflict, Storage exception BLC, 3D DNR, Defog, HLC, 8 Patrol zones, Region entrance and exit triggers.	IP address filtering, HTTPS encryption, Password protected user level, Anonymous login, IEEE 802.1X network access control, White Balance, Brightness, Contrast, Sharpness, Automatic gain control, Flickerless	IP address filtering, HTTPS encryption, Password protected user level, Anonymous login, IEEE 802.1X network access control, White Balance, Brightness, Contrast, Sharpness, Automatic gain control, Flickerless

360 DEGREE DOME CAMERAS



MODEL #		B-5360	A-427-V
Resolution		5MP	4x2MP
Environmental Type		Indoor Outdoor	Indoor Outdoor
Sensor		1/3.2 CMOS	1/2.7 CMOS x 4
Video Codec		H.264 / MJPEG	H.265 / MJPEG / H.264
Max. Resolution		2592 x 1944	1920 x 1080 x 4
Max. FPS @ Max. Resolution	H.265 / H.264 / JPEG	15fps @ 60Hz (2592 x 1944)	30fps @ 60Hz (1920 x 1080) x 4
True WDR		Digital WDR	True WDR @ 120 dB
Day/Night ICR / IR		-	-
ABF (Auto Back Focus) / Auto Focus		-	Auto Focus each lens
Min. Illumination	Color	0.1 Lx @ F 2.0	0.006 Lux @ (F1.2, AGC ON), 0.01 Lux @ (F1.6, AGC ON)
	B/W	0.1 Lx @ F 2.0	0.002 Lux @ (F1.2, AGC ON); 0.003 Lux @ (F1.6, AGC ON)
Lens		f=1.185 mm, F2.0	f= 3.0 to 9 mm each lens
Horizontal field of view	16: 9	189.7 deg. or 360 deg.	35 to 100 deg. each lens
Adjusting Angle	Pan	-	0 to +355 deg
	Tilt	-	0 to +135 deg
Optical Zoom		-	-
Digital Zoom		10X	16X
Built-in IR LED		-	-
Image Stabilizer		-	-
Corridor Mode		-	Yes
VMD (Video Motion Detection)		Yes (4)	Yes (4) each lens
Analytics		-	Intrusion, Line cross, Face, Crowd Audio, wander /detection
Max. Connection		-	-
Audio	In (Line) / Out	Yes / Yes (3.5 mm)	Yes / Yes
	In (Built-in MIC)	-	Yes
	Codec	G.711	G.711 / G.722.1 / G.726 / MP2L2 / PCM
SD memory Card	Slot	Yes (SDXC)	Yes (SDXC) (128GB)
External I/O		-	Yes (1in / 1out)
Monitor Out		-	-
Vandal Resistant		IK10	IK10
Water and Dust Resistance		IP68, NEMA 4, EN50155	IP67
Temperature		-4°F to 122°F	-22°F to 140°F
Power Source		PoE	DC12V:23W, AC24V:50W / PoE
Other Functions		IP address filtering, HTTPS encryption, Password protected user level, Anonymous login, IEEE 802.1X network access control. VI software dewarp 360, 2x 180	Tampering alarm, Network disconnect, IP address conflict, Storage exception BLC, 3D DNR, Defog, OLB, Audio detection, Scene change detection, Region Enter/Exit, Object Unattended/removed

ADVIDIA BULLET CAMERAS



MODEL #		A-28-F	A-28-Z	A-49-F	A-88-V	B-38-V
Resolution		2MP	2MP	4MP	8MP (4K)	3MP
Environmental Type		Indoor Outdoor	Indoor Outdoor	Indoor Outdoor	Indoor Outdoor	Indoor Outdoor
Sensor		1/2.8 CMOS	1/2.8 CMOS	1/3 CMOS	1/2.5 CMOS	1/2.8 CMOS
Video Codec		H.265 / MJPEG / H.264	H.265 / MJPEG / H.264	H.265/H.264 / MJPEG / H.264+	H.265 / H.264	H.265 / H.264/ MJPEG
Max. Resolution		1920 x 1080	1920 x 1080	2304 x 1296	3840 x 2160	2048 x 1536
Max. FPS @ Max. Resolution	H.265 / H.264 / JPEG	30fps @ 60Hz (1920 x 1080)	60fps @ 60Hz (1920 x 1080)	20fps @ 60Hz (2304 x 1296)	15fps@ 60Hz (3840 x 2160)	30 fps at (2048 x 1536)
True WDR		True WDR @ 120 dB	True WDR @ 120 dB	True WDR @ 120 dB	True WDR @ 120dB	True WDR @ 142 dB
Day/Night ICR / IR		Yes ICR	Yes (ICR)	Yes ICR	Yes	Yes
ABF (Auto Back Focus) / Auto Focus		-	Auto Focus	-	Remote Focus	Auto Focus
Min. Illumination	Color	0.005 Lx	0.002 Lx @ F 1.2	0.01 Lx	0.01 Lx	0.05 Lx @ F1.4
	B/W	0.000 Lx with IR	0.00 with IR	0.00 Lx with IR	0 Lux with IR	0.00 Lx with IR
Lens		f= 6.0 mm, F1.6	f= 4.7 to 122mm	f= 6.0 mm, F2.0	2.8mm to 12mm	f= 2.8 to 12.0 mm
Horizontal field of view	16: 9	52 deg.	70.5 to 3 deg.	55.4 deg.	105° to 34.5°	32 to 90.6deg.
Adjusting Angle	Pan	0 to +360 deg	-	0 to +355 deg	0° to 355°	NA
	Tilt	0 to +90 deg	-	0 to +75 deg	0° to 90°	NA
Optical Zoom		-	26X	-	-	4.3 X
Digital Zoom		4x	16X	4x	16X	16X
Built-in IR LED		Yes (30 m)	Yes (120m)	Yes (30 m)	Yes (50m)	Yes (30m)
Image Stabilizer		-	Yes (EIS)	-	No	Yes (Digital)
Corridor Mode		-	-	-	No	-
VMD (Video Motion Detection)		Yes (2)	Yes	Yes	Yes	Yes (4)
Analytics		Intrusion, Line cross	Auto object tracking, Line cross, Face, Audio	(Intrusion, Line cross)	Intrusion, Line cross, Face detection	Tamper Detection
Max. Connection		-	-	-	32	-
Audio	In (Line) / Out	No / No	Yes / Yes (3.5 mm)	No / No	Yes / Yes (Terminal Block)	Yes / Yes (Terminal Block)
	In (Built-in MIC)	-	-	-	No	No
	Codec	-	G.711 / G.722.1 / G.726 / MP2L2	-	G.711/G.722.1/G.726/MP2L2/PCM	G.711
SD memory Card	Slot	Yes (SDXC) (256GB)	Yes (SDXC) (128GB)	-	Yes (SD/SDHC/SDXC) (128GB)	Yes (MicroSD) (128GB)
External I/O		No	Yes (1in / 1out)	No	Yes (1in / 1out)	Yes (1in / 1out)
Monitor Out		-	Yes (mini jack)	-	Yes (1Vp-p composite output)	-
Vandal Resistant		-	-	-	IK10	IK10
Water and Dust Resistance		IP67	IP67	IP67	IP67	IP66
Temperature		-22°F to 140°F	-22°F to 140°F	-22°F to 140°F	-22°F to 140°F	-22°F to 122°F
Power Source		12 V DC / PoE	12 V DC / PoE	12 V DC / PoE	12 V DC, 24 V AC / PoE	12 V DC, 12V AC / PoE
Other Functions		Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, 3D DNR, BLC	Tampering alarm, Network disconnect, IP address conflict, Storage exception BLC, 3D DNR, Defog, OLB, Audio detection, Scene change detection, Region Enter/Exit, Object Unattended/removed	Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, 3D DNR	Tampering alarm, Network disconnect, IP address conflict, Storage exception BLC, 3D DNR, Defog, OLB, Audio detection, Scene change detection	IP address filtering, HTTPS encryption, Password protected user level, Anonymous login, IEEE 802.1X network access control

ADVIDIA ENCODERS



COMING SOON



COMING SOON



MODEL #		VP-1-V3	VP-16-V3	B-ENC-16
Codec and Transmission	Video Codec	H.265	H.265	H.264
	Built-in Analytics	Yes (Varies)	Yes (Varies)	–
Max. Resolution		5MP	5MP	960 x 480
Max. FPS @Max. Resolution	H.265 / H.264 / JPEG	30fps @ 1080P	30fps @ 1080P	30fps @ 960 x 480
Analytics		Line Crossing and Intrusion Detection	Line Crossing and Intrusion Detection	–
Audio	In (Line) / Out	Yes / Yes	4 in / 1 out	Yes / Yes
	Codec	–	G.711u	8 kHz, Mono, PCM, G.711
External I/O		Yes (1in / 1out)	Yes (16in / 4out)	Yes (16in / 16out)
Temperature		14°F to 131°F	14°F to 131°F	14°F to 122°F
Power Source		12 VDC	12 VDC	12 VDC
Other Functions		Encoder based motion detection	Encoder based motion detection	Encoder based motion detection

	A-MC-120 Cap
	A-MC-155 Cap
	A-MD-WM Wall Mount
	A-MD-ICM Incline
	A-MWB Metal Wall Mount
	A-MWM-MINI Metal Wall Mount
	A-34-Cap Metal Cap
	A-MD-GBA Gang Box Adapter
	A-Pole Mount Pole Mount
	A-Pendant Pendant
	ABAP-5 Gang Box Adapter
	A-46-WM Wall Mount
	A-200-WM
	A-200-LPM
	A-200-PM

ADVIDIA ACCESSORY CHART



A-27-F, A-46-F,
A-46-FW

To Wall Mount	A-MWM-MINI
	A-MD-WM
To Pendant Mount	A-34-CAP METAL + A-44-PENDANT
To Incline	A-MD-ICM
To Wall Mount with an Incline	A-MD-WM + A-MD-ICM
To Mount to a Double Gang Electrical Box	A-MD-GBA



A-45-F, A-45-F-2.8

To Wall Mount	A-46-WM
To Pendant	A-PENDANT + A-MC-120
To Mount to a Single Gang Electrical Box	A-46-CW One comes with Camera



A-87-V

To Wall Mount	A-MWB + A-MC-155
To Pendant	A-44-PENDANT+ A-MC-155
To Pole Mount	A-Pole Mount, A-MWB, A-MC-155



A-28-Z, A-88-V

To Pole Mount	Provided J-Box + A-Pole Mount
To Pendant Mount	A-44-PENDANT + ABAP-5
To Mount to a Double Gang Electrical Box	ABAP-5



A-300

To Wall Mount	A-200-WM
To Pendant	A-200-LPM
To Pole Mount	A-200-PM



B-0321-WM
Wall Mount



B-0323-MD-JB
Wall Mount



B-0713-MD-JB
Junction Box



B-0113-PDT
Pendant



B-0813-GBA
Gang Box Adapter



B-0506-PM
Pole Mount



B-0706-JB
Junction Box



B-31-GN
Wall Mount



B-31-CMB
Corner Mount



B-31-PM
Pole Mount



B-0D-WM
Wall Mount



B-31-ST
Pendant



B-31-MK
Mount Head



B-AD-WM
Gang Box Adapter



B-27-V

To Wall Mount

B-0323-MD-JB

Junction Box with
Threaded 3/4 Inlet

B-0713-MD-JB



B-57-V

To Wall Mount

B-0321-WM

To Pendant Mount

B-0113-PDT

Mount to a Double
Gang Electrical Box

B-0814-GBA



B-38-V

To Pole Mount

B-0506-PM

Junction Box with
Threaded 3/4 Inlet

B-0706-JB



B-200-PTZ

To Wall Mount

B-31-GN

To Corner Mount

B-31-GN
B-31-CMB

To Pole Mount

B-31-GN
B-31-PM



B-51, B-210

To Wall Mount

B-0D-WM

To Pendant Mount

B-31-ST
B-31-MK

Mount to a Double
Gang Electrical Box

B-AD-WM

To Corner Mount

B-0D-WM
B-31-CMB

To Pole Mount

B-0D-WM
B-31-PM

	B-MD-WM Wall Mount
	B-MD-ST Pendant
	B-MD-EP Mount Head
	B-MD-GB Gang Box Adapter
	B-MD-WM Wall Mount
	B-0506-PM Pole Mount
	A-200-WM
	A-MLT-CAP
	A-200-LPM
	A-200-PM
	E-B203-WM
	E-A151-CM
	E-A137-JB
	E-A152-PM

	E-B302S-WM
	E-A101-CAP



To Wall Mount	B-MD-WM
To Pendant Mount	B-MD-ST B-MD-EP
Mount to a 4 1/2 Octagon Electrical Box	B-MD-GB
To Pole Mount	B-MD-WM B-0506-PM



To Wall Mount	A-200-WM + A-MLT-CAP
To Pendant Mount	A-200-LPM + A-MLT-CAP
To Pole Mount	A-200-PM + A-MLT-CAP

	E-B300C-CB
	E-A152E-PM



To Wall Mount	E-B203-WM
To Corner Mount	E-A151-CM + E-A137-JB
To Pole Mount	E-B203-WM + E-A152-PM



To Wall Mount	E-B302S-WM E-A101-CAP
To Pendant Mount	E-B300C-CB + E-A101-CAP
To Pole Mount	E-B302S-WM+ E-A101-CAP E-A152E-PM



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