i-PRO

The Power of Truth

COMPANY PROFILE

CORPORATE & VIDEO SURVEILLANCE PRODUCT INFORMATION

⊞ i·PRO
The Power of Truth

Panasonic i-PRO Sensing Solutions Corporation of America (PIPSA) was established on October 1, 2019, to provide comprehensive professional Security Surveillance, Public Safety and Medical Imaging solutions. Built on a history of innovation that spans over 60 years with Panasonic, we continue to expand our portfolio with advanced AI-driven software solutions to complement our renowned line of best-in-class imaging technologies and edge products.

Panasonic Legacy

Over 60 years of innovation
Global sales network
Leadership in quality

i-PRO Originality

Open partnership
Quick and reliable
Specialized in sensing solution

SOLUTION	DEVICE / SERVICE	CORE TECHNOLOGY
■ Intelligent Surveillance Solution Business ■ Law Enforcement Solution Business ■ Industrial Medical Vision Solutions Business	■ Surveillance Camera Systems ■ Evidence & Investigation Support Systems ■ Facial Recognition Systems ■ Medical & Industrial Cameras ■ Image Analyzing Software ■ Cloud Imaging Services	■ Video Capturing Technology ■ Sensing Technology ■ AI Video Analysis Technology ■ Data Security Technology

PANASONIC i-PRO

Panasonic i-PRO provides industry-leading solutions to capture, record, manage, and analyze surveillance video. We offer a 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 at Panasonic i-PRO is simple: to make your life easier. We have re-engineered 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.

KEY OFFERINGS BY i-PRO SECURITY PRODUCTS

RELIABILITY
More than just meeting industry standards

DATA SECURITY
Preparing for the threat of cyber attacks

DATA COMPRESSION
Reduced load of network and data storage cost

DATA ANALYTICS
Efficient reduction of system load by edge and cloud

IMAGE QUALITY
Capturing evidence under extreme environment

Panasonic

An Imaging Solution Provider

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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 have reengineered our hardware and software into a plug-and-play platform that delivers enhanced point-to-point data security and enterprise level management 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.
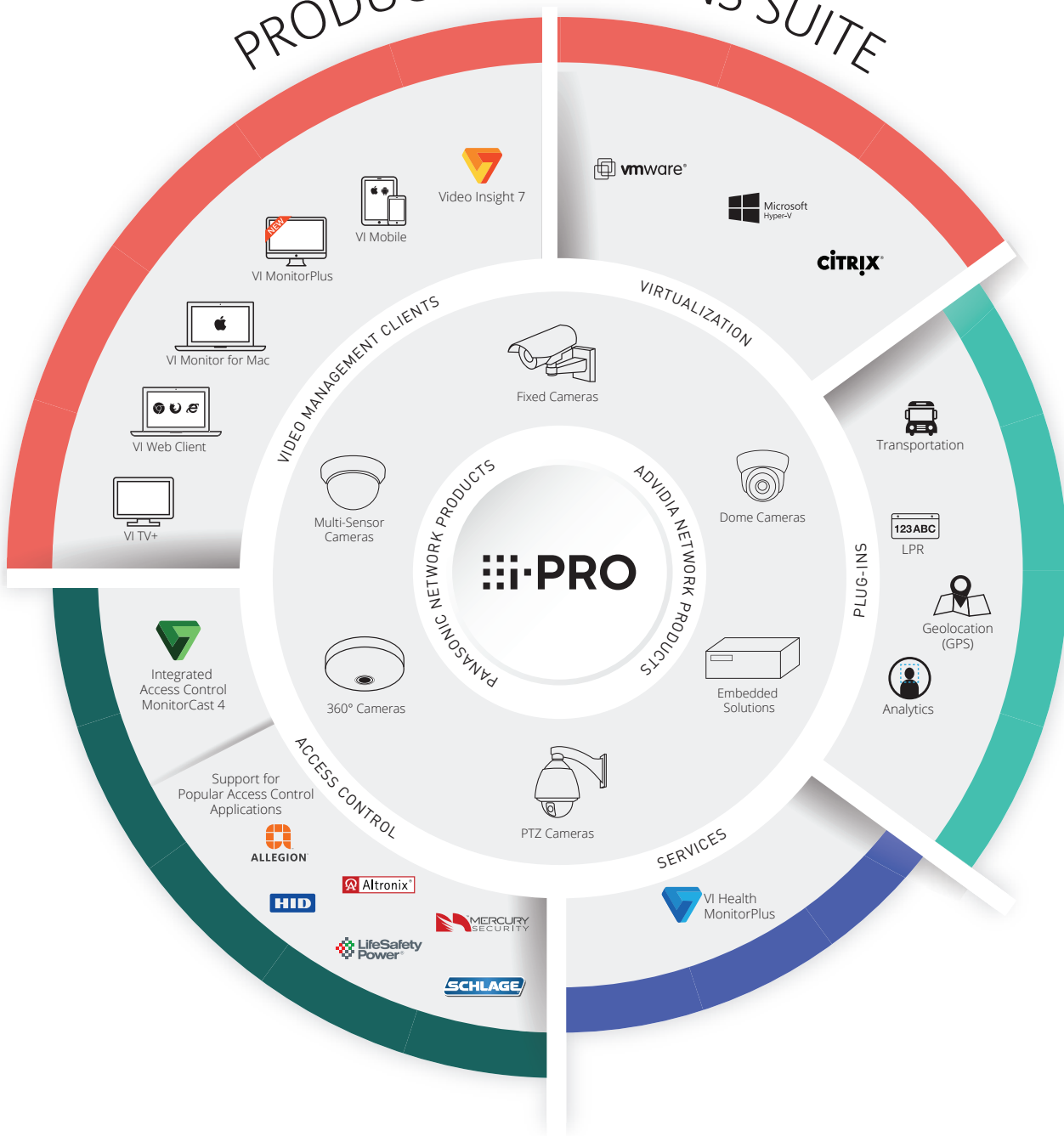
VIDEOINSIGHT®
UNLIMITED LICENSE

Video Insight
I-PRO cameras come bundled with Video insight VMS license.

PRIORITY ADVANCE EXCHANGE

Priority Advanced Exchange
Receive advanced replacement units shipped the same day with overnight delivery.

PRODUCT SOLUTIONS SUITE

VIDEO MANAGEMENT CLIENTS
- Video Insight 7
- VI Mobile
- VI MonitorPlus
- VI Monitor for Mac
- VI Web Client
- VI TV+

VIRTUALIZATION
- vmware
- Microsoft Hyper-V
- CITRIX

PANASONIC NETWORK PRODUCTS
- Fixed Cameras
- Multi-Sensor Cameras
- 360° Cameras
- PTZ Cameras

ADVIDIA NETWORK PRODUCTS
- Dome Cameras
- Embedded Solutions

PLUG-INS
- Transportation
- LPR (123 ABC)
- Geolocation (GPS)
- Analytics

ACCESS CONTROL
- Integrated Access Control MonitorCast 4
- Support for Popular Access Control Applications
  - ALLEGION
  - Altronix
  - HID
  - MERCURY SECURITY
  - LifeSafety Power
  - SCHLAGE

SERVICES
- VI Health MonitorPlus

i-PRO

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 that 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-level VMS solution on the market.

The Enterprise VMS Features You Love
The Video Insight VMS has a wide range of robust features you would expect to find in an enterprise-level software, including 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 in assisting you promptly in your time of need. 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 lets you retain your hardware investments while lowering your TCO by eliminating 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.

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, gunshot detection, and more.

Analytics
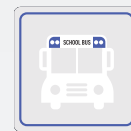
Transportation

License Plate Recognition

Gunshot Location Detection[1]

Vape Detection[2]

1- Integration with Databuoy ShotPoint
2- Integration with IP Video Corp.

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).

NEW VI REDACTION PLUG-IN

In today's environment, student safety and privacy go hand in hand, and facial redaction is key to ensuring both. With the VI redaction plug-in, a user can greatly reduce the time and effort needed when redacting video evidence.

Utilizing the platform, one can quickly upload any MP4 clip for analysis through an Ai-assisted redaction engine that automatically does the heavy lifting associated with the task.

Once the clip has been processed, a user can review the results and manually touch up only those regions that may require extra attention through the addition of static regions of interest, additional masks and inclusion / exclusion zones.

Upon the completion of manual touch ups, the user can export a fully redacted video clip based entirely on their requested parameters in moments.

The VI redaction plug-in should be installed on a workstation that meets or exceeds the following hardware recommendations.

CPU	Intel i7 or Better
RAM	32GB or Better
NVIDIA BASED GPU	RTX 2070 or Better
OS	WIN 10 PRO (Installed on SSD Preferred)

VI REDACTION PLUG-IN PART NUMBER
IPSV-RDT-1Y: One-year VI redaction plug-in activation for one redaction workstation. Workstation must meet the VI redaction plug-in specification requirements.

OPTIONAL REDACTION WORKSTATION
NVR-T-1-RDT-V2: i-PRO WT1-D, Single Intel Octa Core CPU, 32GB RAM, Windows 10 PRO. OS ON, 256GB, M.2 SSD, 2TB HDD, Nvidia RTX2070 Super | Designed for IPSV-RDT-1y (Sold separately).

The VI redaction plug-in is available for purchase via a one-year workstation license.
For more information, contact SurveillanceSolutions@us.panasonic.com

MOBOTIX THERMAL CAMERAS
WITH VIDEO INSIGHT FUNCTIONALITY

Panasonic i-PRO introduces the MOBOTIX M16/S16 thermal cameras with Video Insight's plug-in thermal feature functionality. With so much focus on maintaining the health of those entering businesses, schools, retail stores and other public facilities, this solution allows you to take the proper safety precautions for your staff and guests. Using the combined functionalities of MOBOTIX and Video Insight, an alarm is triggered when the pre-set temperature threshold is detected. Additionally, you can define up to 40 regions of interest to set up temperature readings, edit the temperature threshold and review detailed thermal readings at any time.

For health and safety that is a step above, the right choice is MOBOTIX and Video Insight.

KEY FEATURES

■ Ability to pre-set temperature threshold

■ Live and thermal views

■ Celsius or Fahrenheit temperature settings

■ Event alarm is triggered when threshold is detected

■ Define up to 40 regions of interest for temperature readings

■ Ability to review detailed thermal readings
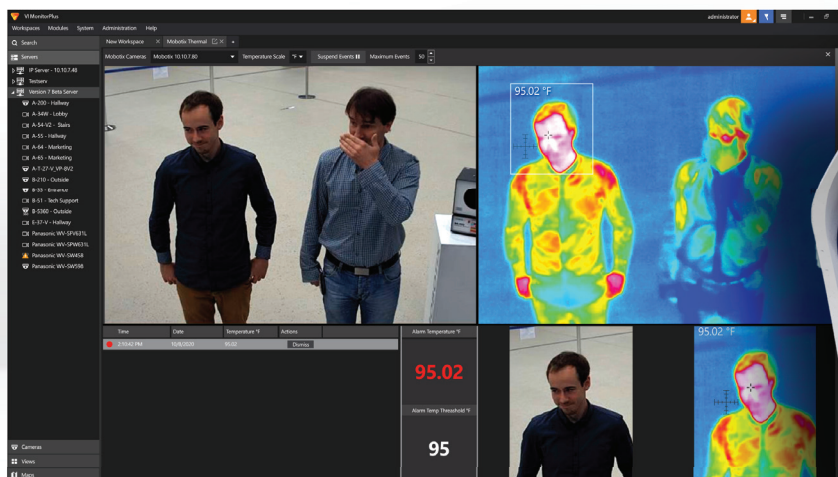
IP SERVER

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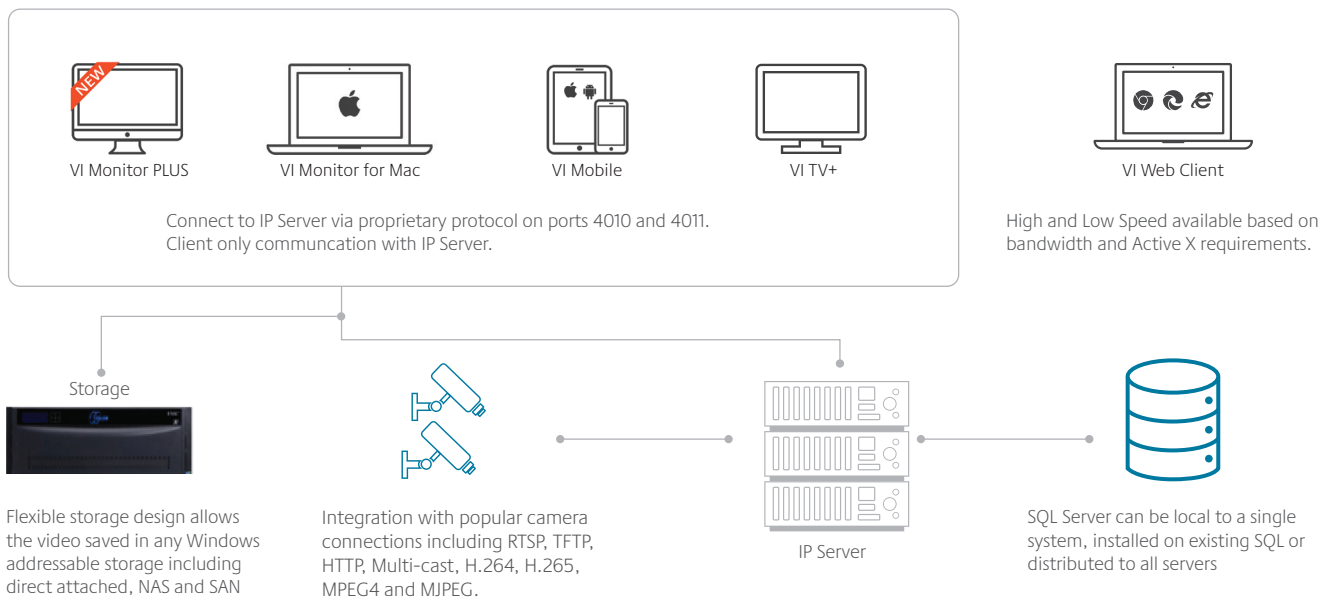
Key Benefits
- Designed for large camera deployments – multi-server, multi-location
- Open Platform allows easy integration and is SQL Server based.
- Supports camera- and server-side motion detection
- Automated Failover Integrates with Active Directory users and groups.

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)

NEW
VI Monitor PLUS

VI Monitor for Mac

VI Mobile

VI TV+

VI Web Client

Connect to IP Server via proprietary protocol on ports 4010 and 4011. Client only communcation with IP Server.

High and Low Speed available based on bandwidth and Active X requirements.

Storage

Flexible storage design allows the video saved in any Windows addressable storage including direct attached, NAS and SAN

Integration with popular camera connections including RTSP, TFTP, HTTP, Multi-cast, H.264, H.265, MPEG4 and MJPEG.

IP Server

SQL Server can be local to a single system, installed on existing SQL or distributed to all servers

VI HEALTH MONITORPLUS

NEVER MISS A SYSTEM FAILURE EVER 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.

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.

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

Easy to use Dashboard

Email Alerts

Accessible from anywhere

Encrypted Communication for secure access
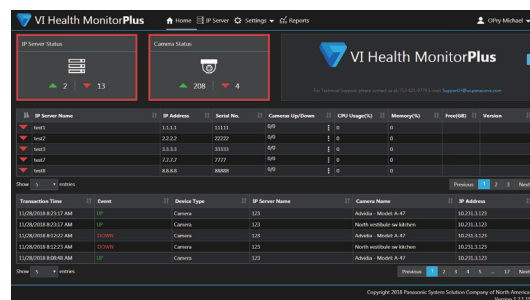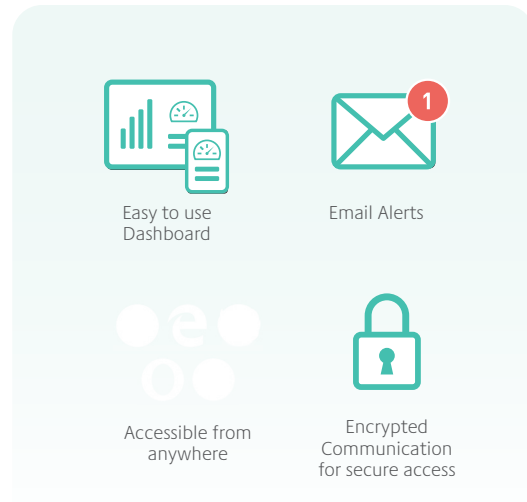
Dashboard - Provides an overview of the health of the entire security system
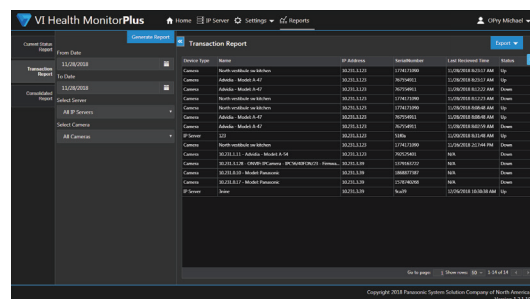
Transaction Report - Users can generate reports based on date ranges to quickly identify trouble spots

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.

ACCESS CONTROL PARTNERS

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
- Keypad intrusion
- Monitor point audio alerts
- First card unlock
- Personnel roles

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.

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 synchronization

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 reader's 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.
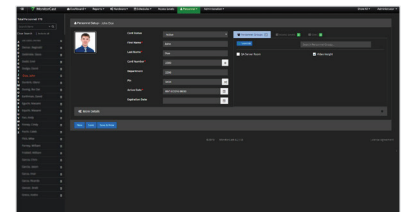
Customizable Reports
- Automated email reports.
- MonitorCast 4 empowers its users with an array of customizable reports which are exportable directly from its UI.
- File formats for reports: PDF & XLS (Via VI MonitorPlus).
- Reader access reports (provide data on access to specific door name, & access level).
- User and card history
- Time & attendance
- Personnel area
- Other Integrators
- Schlage NDE/LE wireless lock support
- Schlage AD400/AD300
- Altronix LINQ integration
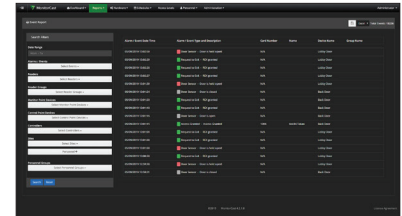- ASSA Abloy Aperio line
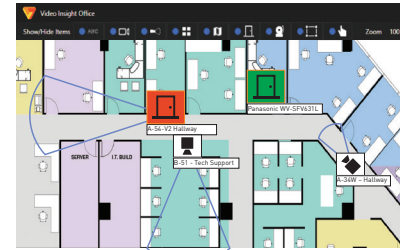
Simple Dashboard Displays Door Alarms on the Facility Map. Plot out your alarms visually using Map Based Alarms, providing real-time door alarms using the VI Monitor client access control map interface.
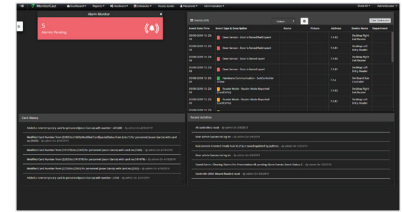
Custom Dashboard

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.

GO BEYOND TRADITIONAL ANALYTICS WITH INTELLIGENT SOLUTIONS FROM i-PRO

In today's environment, more users are looking to actively manage large surveillance systems. As these systems become more complex, i-PRO's intelligent analytics can help users by reducing the learning curve and system resources required to operate them. From improving the accuracy of alarms and notifications to reducing the overall system bandwidth and storage requirements, i-PRO Intelligent analytics has you covered.

■ Change your surveillance system from reactive to proactive and anticipate situations before they occur
■ i-PRO surveillance users can gain added sight awareness with intelligent analytics via scene analysis
■ Optimized feature solutions for schools, municipalities, and commercial facilities
■ i-PRO analytics may be deployed either at the edge or server level providing a flexible deployment

ANALYTICS AT THE EDGE

AI-VMD
AI-VMD can identify between objects. The cameras actively read the scene and uniquely differentiate between cars, motorcycles, bicycles, and people. Additionally, AI-VMD offers users intelligent functionality such as line-cross detection, scene-change detection, loitering detection and directional detection.

AI People/Vehicle/Face Detection
These analytics allow you to detect people, vehicles and faces, and it sends the metadata and best images to the server. They are compatible with i-PRO's multi-AI system, a search function that quickly finds people or vehicles through the video management software, Video Insight and Genetec.
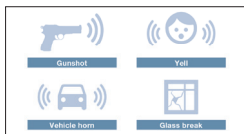
AI Sound Classification
AI sound classification allows you to detect suspicious sounds, such as gunshots, screaming, vehicle horns or glass breaking. *External microphone is required

AI Privacy Guard
When deployed on i-PRO AI engine cameras, AI privacy guard protects the privacy of individuals within the scene by applying a mosaic over their face in real time.

Non-Mask Detection
Proprietary image processing and deep-learning technologies combine to create a unique application that allows any AI-engine-enabled i-PRO camera to recognize face masks and detect when a person is not wearing one via a pop-up alarm notification.
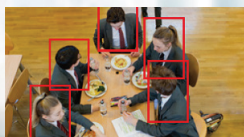
AI Occupancy Detection
When deployed on an i-PRO AI engine camera, AI occupancy detection will be able to detect the crowd congestion and send the pop-up alarm notification.

SERVER-BASED ANALYTICS

FacePRO Facial Recognition

FacePRO Facial Recognition
This solution automatically matches a person's face, using live or recorded video from Panasonic i-PRO cameras, to a database of enrolled faces, notifying in real time when a face matches. It also allows face-based searching through recorded video.

VI Thermal Plug-in

Video Insight Thermal Plug-in for Elevated Body Temperature
Using the combined functionalities of MOBOTIX thermal cameras and the Video Insight VMS, an alarm is triggered when the user-defined, pre-set temperature threshold is exceeded.

Gunshot Detection

Gunshot Detection by Databuoy (ShotPoint)
This third-party integration uses acoustic sensors to monitor the environment. ShotPoint can precisely locate the event on a map and instantly communicate the information to the user via real-time notifications.

Visual Weapon Detection

Visual Weapon Detection by ZeroEyes
This third-party integration utilizes AI technology to monitor video images for weapons. In the case of an alert, ZeroEyes will confirm your alarm and launch a live alarm window notification to VI MonitorPlus client.

Vehicle Search

i-PRO's Vehicle Search Solution
The vehicle search server software identifies six vehicle types (sedan, van, SUV, trailer-truck, bus, and pick-up) and 10 vehicle colors (green, blue, brown, purple, yellow, red, pink, black, silver/gray, and white), allowing a user to quickly search through hours of recorded video to pinpoint a vehicle in question and create a report of where it was last seen and the direction it was heading.

Vape Detection

HALO | Vape Detection
The Halo smart sensor integrates with VI MonitorPlus to receive instant notifications when hazardous chemicals are detected, such as smoke, vape cigarettes (including products containing THC). This smart sensor can also detect gunshots, AQI conditions and spoken keyword triggers .

License Plate Recognition

VI License Plate Recognition
The Video Insight license plate recognition plug-in allows you to automate any live license plate reading to rules or actions in VI (to enforce parking restrictions and more).

VI Video Redaction

Video Insight Video Redaction
When a request for a video of an incident is received, the protection and privacy of individuals who appear in the background, or individuals not involved in the incident, is vital. The use of the VI redaction plug-in, a powerful AI engine, enables users to selectively obscure key faces appearing in the recorded video.

Optex Red Scan Sensor

Optex Red Scan Sensor - Area
Red Scan series sensors can be added to Video Insight VMS the same way as a camera. These unique sensors utilize laser technology to check for motion in sensitive unreachable areas. Once triggered, this integration provides an alert notification with live windows, email notification, PTZ camera action, or any event designated in VI's rules manager by a user.

License Plate Recognition

Video Insight Health MonitorPlus
VI Health MonitorPLUS provides a complete and easy-to-use interface featuring real-time monitoring of resources that alert administrators about any issues that might affect the services and keep track of any camera failures and video recording interruptions.

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.
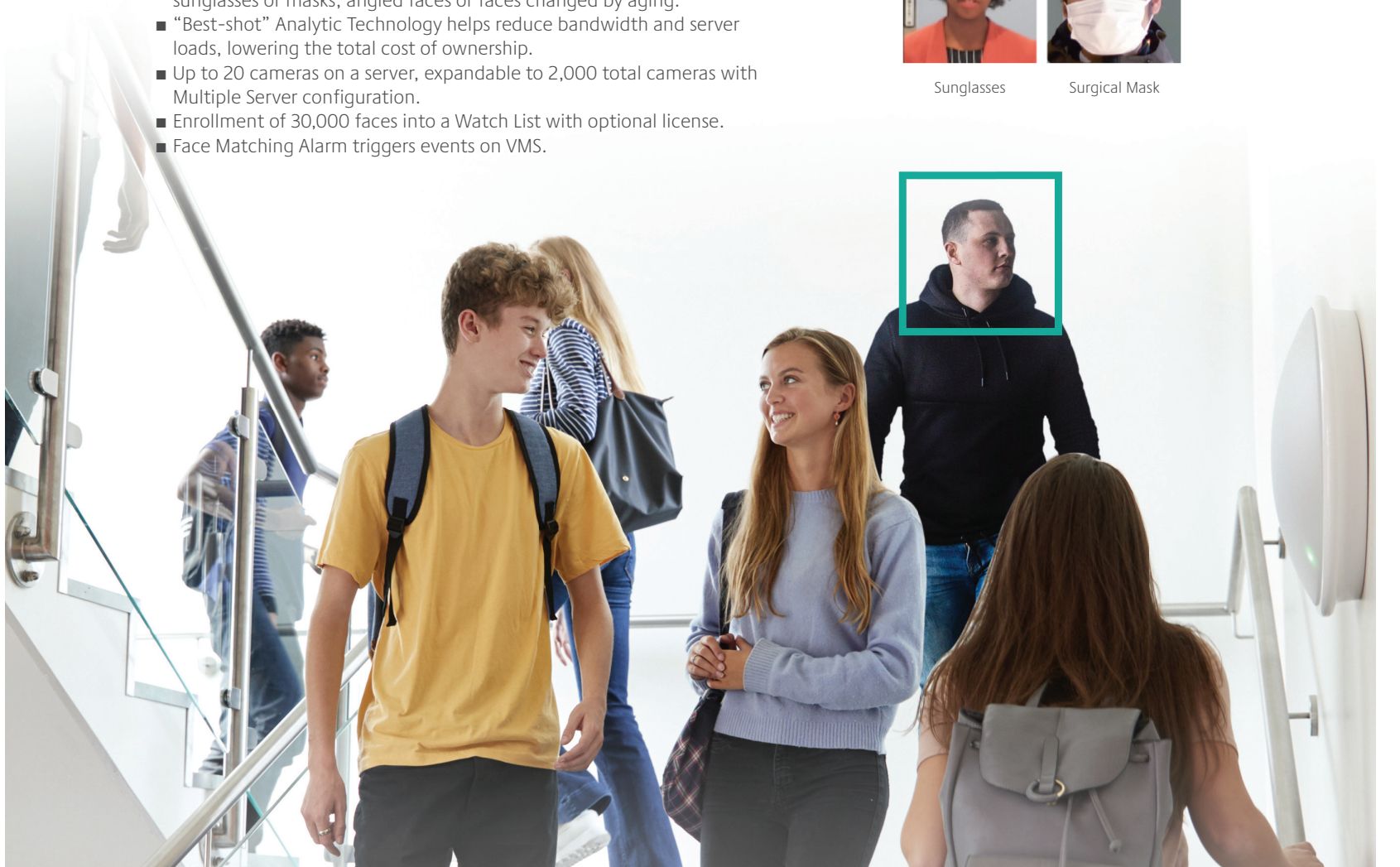- Face Matching Alarm triggers events on VMS.

Angled Face
Left/Right ± 45° | Up/Down ± 30°

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.

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.
- *NEW* Database Sync with Genetec Security Center Synergis for tailgating/impersonation detection

SYSTEM DIAGRAM

VIDEO → VMS SERVER / NVR

Best shot
FACE BEST-SHOT → FACEPRO SERVER
RECOGNITION VERIFICATION AND FACE DATA STORING

VMS CLIENT WITH CLIENT PLUG-IN SOFTWARE
USER INTERFACE

i-PRO CAMERA WITH BEST-SHOT LICENSE
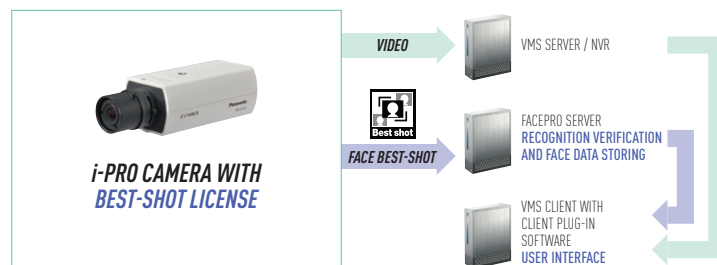
FACE BEST-SHOT FUNCTION BUILT IN CAMERA

DETECT FACE & ADJUST IMAGE → EXTRACT FACES → SELECT BEST-SHOT

SELECTED
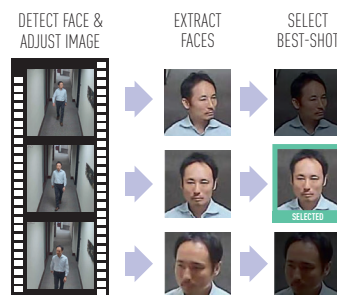
ALARM / SEARCH / STAT
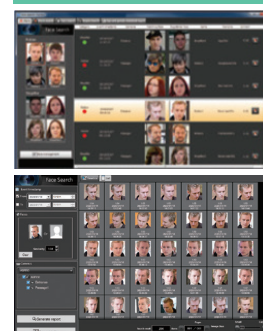
FACE ALERT MOBILE APP

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
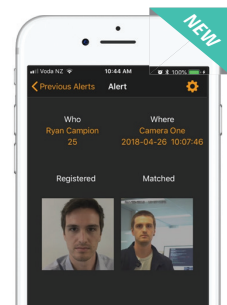
- Compatible VMS: Video Insight V7.2 or later / WV-ASM300 / Genetec Security Center V5.8/V5.9 / Milestone XProtect Corporate 2019 R2(13.2a) or later.
- Up to 20 cameras can be connected to a server with option license WV-ASFE901W/ASFE904W in registered face detection mode, and up to 10 cameras can be connected to a server with the option licenses in unregistered face detection mode.

- Up to 30K face can be registered to a watch list with option license WV-ASFE951W
- For more detailed information, visit our web site: i-pro.com/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.
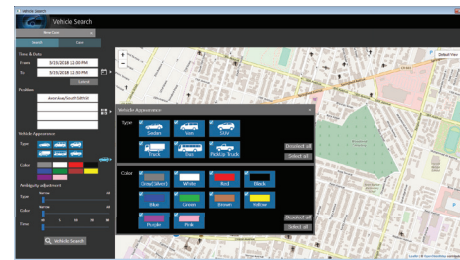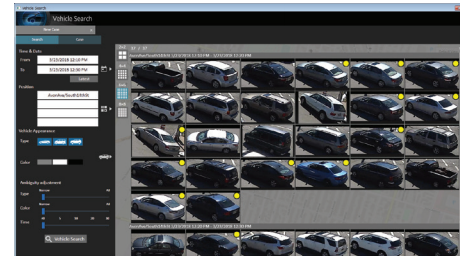
Dashboard makes the process of searching for suspect vehicles simple – select vehicle color or style.
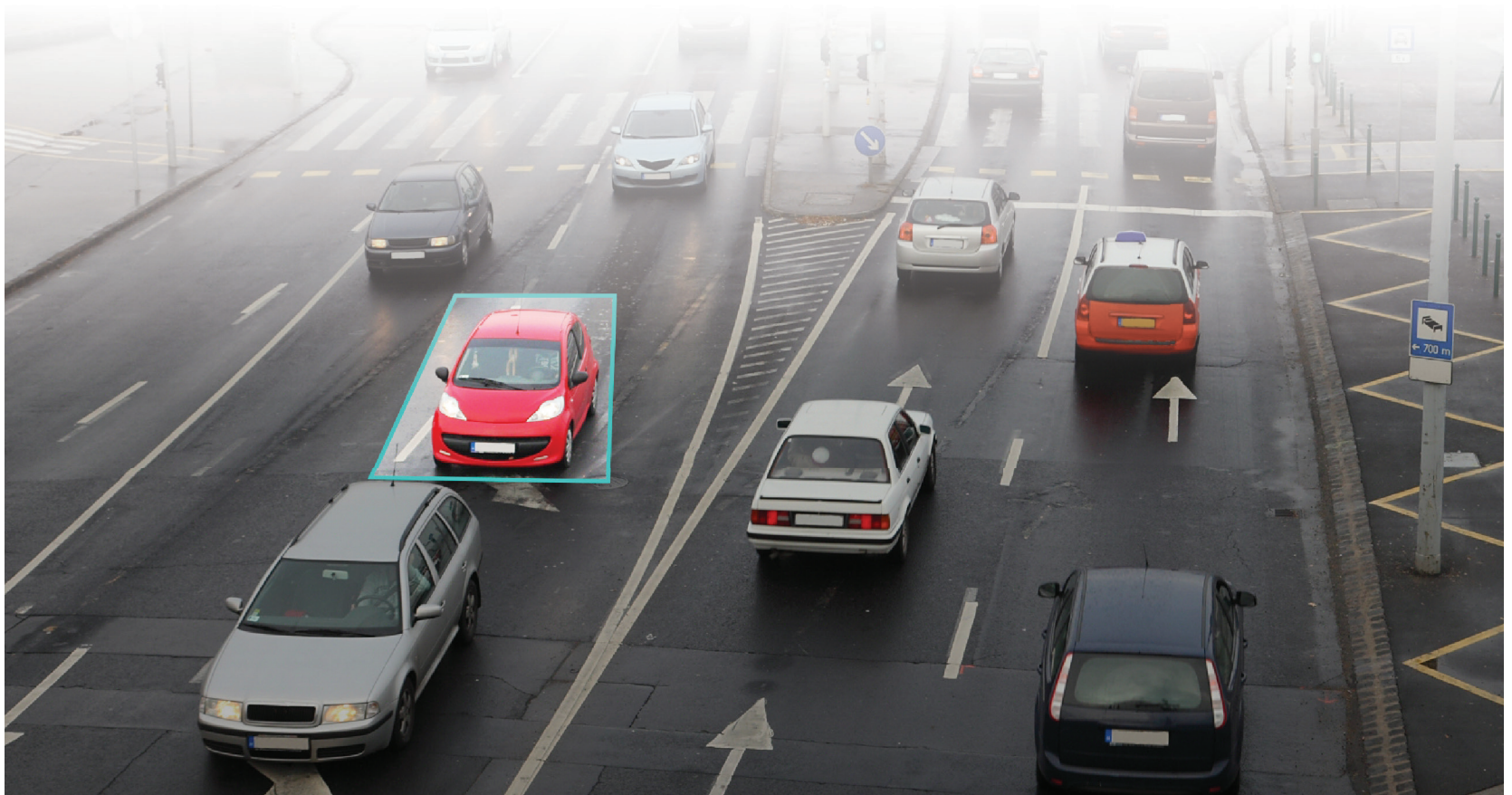
KEY FUNCTIONS INCLUDE

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

"GRAY SEDAN MOVING TOWARDS ABC STREET"

WITNESS

FIRST RESPONDER

COVER INTERSECTION BY ONE MULTI-SENSOR CAMERA

H.265 (4K 15FPS)

LIVE / PLAYBACK

NEW
CLIENT WITH PLUG-IN (VI OR GENETEC)

VMS (VI OR GENETEC)

DISPATCHER / COMMANDER
-SEARCH & NARROW DOWN
-OUTPUT LIST & REPORT

NEW
VEHICLE SEARCH SERVER

SEARCH

H.265 (HD 10FPS)

DETECTION & ANALYSIS

QUICK SHARING OF SEARCH RESULTS AND REVIEW WITH WITNESS

REPORT

- Compatible VMS: VideoInsight V7.4 or later / Genetec Security Center V5.7 or later
- Compatible Camera: i-PRO Extreme series. Refer to 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)
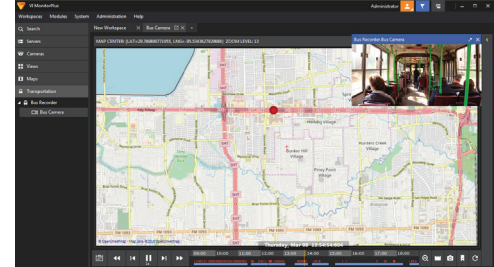
Client Plug-in Software

360° Dome
Network Camera

Compact Dome
Network Camera

Rugged Mobile
Network Camera

Mobile
Recorder

SYSTEM OVERVIEW

9MP/5MP 360-degree camera

Compact dome camera

Outside vehicle camera

Mobile NVR with VI

SCHOOL BUSES

Record start

Record stop

SCHOOL CAMPUS

Video transfer

VideoInsight
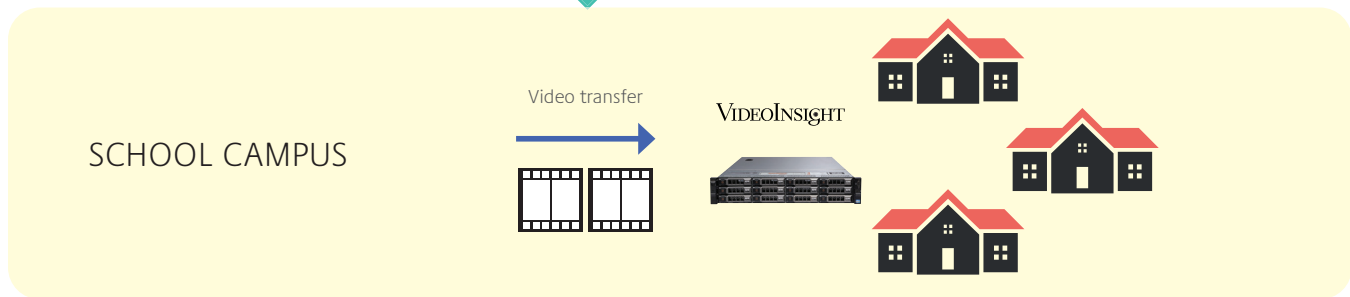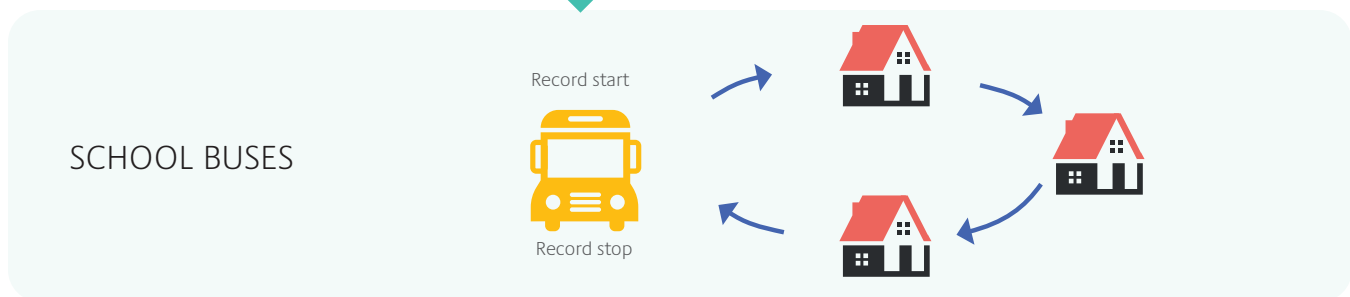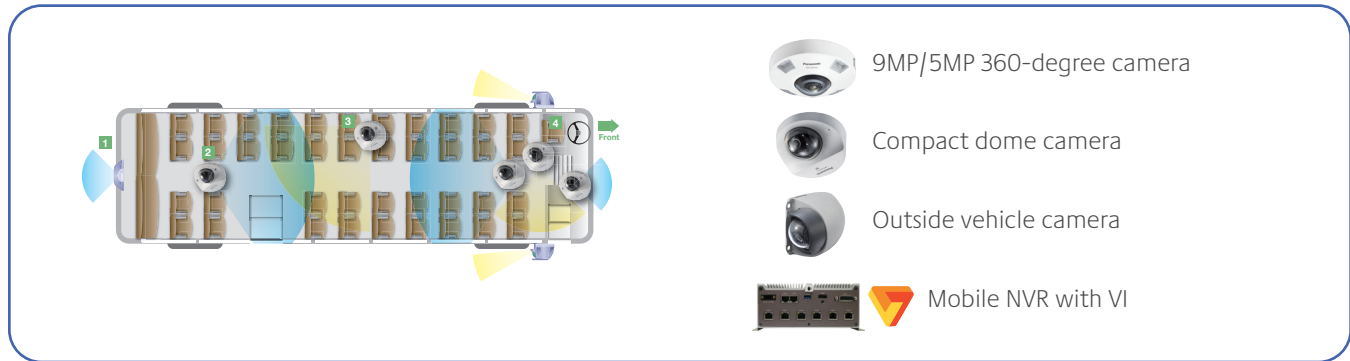
PoE PORT	CPU	DATA SLOT	FEATURES	DIMENSION	OPERATING TEMPERATURE	DATA DRIVE	MODEL NUMBER
8-port (60W total)	Intel Core i3 6100U	2	VI IP server Enterprise bundled Built-in Wi-Fi 802.11a/b/g/n/ac Built-in GPS Windows 10 IoT	10.24" (W) x 7.72" (D) x 3.58" (H)	32 to 131 °F with air flow	1x 1TB TLC SSD	MR-8C-I3-TL1TB-W
						2x 1TB TLC SSD	MR-8C-I3-TL2TB-W
						2x 2TB TLC SSD	MR-8C-I3-TL4TB-W
					-22 to 140 °F with air flow	1x 1TB MLC SSD	MR-8C-I3-ML1TB-W
						2x 1TB MLC SSD	MR-8C-I3-ML2TB-W
						2x 2TB TLC SSD	MR-8C-I3-ML4TB-W
6-port (60W total)	Intel ATOM E3940	1	VI IP server Enterprise bundled Built-in Wi-Fi 802.11a/b/g/n/ac Built-in GPS Windows 10 IoT	7.1" (W) x 7.1" (D) x 3.0" (H)	32 to 131 °F with air flow	1x 1TB TLC SSD	MR-6C-AT-TL1TB-W
						1x 2TB TLC SSD	MR-6C-AT-TL2TB-W
					-40 to 158 °F with air flow	1x 1TB MLC SSD	MR-6C-AT-ML1TB-W
						1x 2TB TLC SSD	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

VIDEO SURVEILLANCE PRODUCT LINE-UP

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.

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.

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.

360 Degree Cameras
Panasonic Vandal Resistant 360º 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.

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.

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.

X-SERIES

MODEL#	WV-X2571LN	WV-X2551LN	WV-X2271L	WV-X2251L	WV-X1571LN	WV-X1551LN
Resolution	4K	5MP	4K	5MP	4K	5MP
Environmental Type	Outdoor	Outdoor	Indoor Vandal	Indoor Vandal	Outdoor	Outdoor
Sensor	1/1.8" CMOS	1/2.8" CMOS	1/1.8" CMOS	1/2.8" CMOS	1/1.8" CMOS	1/2.8" 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	H.265 / H.264 / JPEG
Max. Resolution 16:9	3840 x 2160	3072 x 1728 [*1]	3840 x 2160	3072 x 1728 [*1]	3840 x 2160	3072 x 1728 [*1]
Max. Resolution 4:3	—	—	—	—	—	—
Max. FPS @Max. Resolution	30fps (4K)	30fps (5MP)	30fps (4K)	30fps (5MP)	30fps (4K)	30fps (5MP)
Super Dynamic [Dynamic Range]	Yes [132dB]	Yes [132dB]	Yes [132dB]	Yes [132dB]	Yes [132dB]	Yes [132dB]
Day/Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
Min. Illumination Color	0.09 lx @F1.5	0.07 lx @F1.3	0.09 lx @F1.5	0.07 lx @F1.3	0.09 lx @F1.5	0.07 lx @F1.3
Min. Illumination Color (Sens up)	0.006 lx (16x)	0.0044 lx (16x)	0.006 lx (16x)	0.0044 lx (16x)	0.006 lx (16x)	0.0044 lx (16x)
Min. Illumination B/W	0 lx @F1.5 (w/IR)	0 lx @F1.3 (w/IR)	0 lx @F1.5 (w/IR)	0 lx @F1.3 (w/IR)	0 lx @F1.5 (w/IR)	0 lx @F1.3 (w/IR)
Min. Illumination 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= 4.3 to 8.6 mm, F1.5 Motorized	f= 2.9 to 9 mm, F1.3 Motorized	f= 4.3 to 8.6 mm, F1.5 Motorized	f= 2.9 to 9 mm, F1.3 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: 52 to 101 deg. V: 29 to 55 deg.	H: 33 to 105 deg. V: 19 to 56 deg.	H: 53 to 104 deg. V: 30 to 56 deg.	H: 34 to 106 deg. V: 19 to 57 deg.
Angular Field of View 4:3	—	—	—	—	—	—
Optical Zoom	2.0x	3.1x	2.0x	3.1x	2.0x	3.1x
Pan/Tilt Range	—	—	—	—	—	—
Built-in IRLED	Yes (40m / 131ft)	Yes (40m / 131ft)	Yes (30m / 98ft)	Yes (30m / 98ft)	Yes (40m / 131ft)	Yes (40m / 131ft)
Image Stabilization	—	—	—	—	—	—
Intelligent Video Analytics	Intruder, Loitering, Direction, Cross Line, Scene Change, Privacy guard, AI Face Detection, AI People Detection, AI Vehicle Detection, AI Sound Classification [*4]	Intruder, Loitering, Direction, Cross Line, Scene Change, Privacy guard, AI Face Detection, AI People Detection, AI Vehicle Detection, AI Sound Classification [*4]	Intruder, Loitering, Direction, Cross Line, Scene Change, Privacy guard, AI Face Detection, AI People Detection, AI Vehicle Detection, AI Sound Classification [*4]	Intruder, Loitering, Direction, Cross Line, Scene Change, Privacy guard, AI Face Detection, AI People Detection, AI Vehicle Detection, AI Sound Classification [*4]	Intruder, Loitering, Direction, Cross Line, Scene Change, Privacy guard, AI Face Detection, AI People Detection, AI Vehicle Detection, AI Sound Classification [*4]	Intruder, Loitering, Direction, Cross Line, Scene Change, Privacy guard, AI Face Detection, AI People Detection, AI Vehicle Detection, AI Sound Classification [*4]
VIQS	Yes	Yes	Yes	Yes	Yes	Yes
Audio In (Line)/Out	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes
Audio In (Built-in MIC)	—	—	—	—	—	—
Audio 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]	G.711 / G.726 / AAC-LC [*2]
SD Memory Card Slot	Yes (SDXC)	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]	Yes (3) [*3]
Monitor Out	Yes (mini jack)	Yes (mini jack)	Yes (mini jack)	Yes (mini jack)	Yes (mini jack)	Yes (mini jack)
Vandal Resistant	50J, IK10	50J, IK10	IK10	IK10	IK10	IK10
Water and Dust Resistant	IP66 / NEMA 4X compliant	IP66 / NEMA 4X compliant	—	—	IP66 / NEMA 4X compliant	IP66 / NEMA 4X compliant
Clearsight Coating	Yes	Yes	—	—	Yes	Yes
Operating Temperature	-40°F to +140°F	-40°F to +140°F	+14°F to +122°F	+14°F to +122°F	-40°F to +140°F	-40°F to +140°F
Power Source	12V DC / PoE	12V DC / PoE	12V DC / PoE	12V DC / PoE	12V DC / PoE	12V DC / PoE
Other Functions	Onvif G,S, T	Onvif G,S, T	Onvif G,S, T	Onvif G,S, T	Onvif G,S, T	Onvif G,S, T

ACCESSORIES		
PICTURE	SKU | DESCRIPTION	X2571LN X2551LN
	WV-CW7S Smoke Dome	✔
	WV-CW7SN Smoke Dome with ClearSight Coating	✔
	WV-CW7CN Clear Dome with ClearSight Coating	✔

ACCESSORIES		
PICTURE	SKU | DESCRIPTION	X2271L X1571LN / X2251L X1551LN
	WV-CR1S Smoke Dome	✔
	WV-CW8CN Front Cover with ClearSight Coating	✔

[*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] External microphone is required

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 65 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 IRLED		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	Slot	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)
Vandal Resistant		IK10	IK10	IK10	IK10	IK10
Water and Dust Resistant		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 G,S,T, Defroster	Onvif G,S,T, Defroster	Onvif G,S,T	Onvif G,S,T	Onvif G,S,T

[*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. 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: 2.0 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 IRLED		(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	Slot	—	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)
Vandal Resistant		IK10	—	—	—
Water and Dust Resistant		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 G,S,T	Onvif G,S,T	Onvif G,S,T

ACCESSORIES

PICTURE	SKU	DESCRIPTION	SUD638	S6131	S6130	S6111
	WV-SUD6FRL1 IR LED Unit	✔			
	WV-CS5C Clear Dome		✔	✔	
	WV-CS5S Smoke Dome		✔	✔	
	WV-Q161 Inner Dome Cover			✔	

[*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-X8571N	WV-S8531N
Resolution		33MP (4 x 4K)	8MP (4 x 1080P)
Environmental Type		Outdoor	Outdoor
Sensor		4 x 1/1.8" CMOS	4 x 1/2.8" CMOS
Video Codec		H.265 / H.264 / JPEG	H.265 / H.264 / JPEG
Max. Resolution	16:9	3840×2160 [*1]	1920 x 1080 [*1]
	4:3	—	—
Max. FPS @Max. Resolution		15fps [4K]	30fps (2MP)
Super Dynamic [Dynamic Range]		Yes [120dB]	Yes [120dB]
Day/Night		Yes (ICR)	Yes (ICR)
Min. Illumination	Color	0.12 lx @F1.6	0.05 lx @F2.0
	Color (Sens up)	0.008 lx @F1.6	0.0003 lx @F2.0
	B/W	0.05 @F1.6	0.03 lx @F2.0
	B/W (Sens up)	0.003 lx @F1.6	0.002 lx @F2.0
Lens		f= 4.6 mm, F1.6	f=2.9 mm to 7.3 mm, F2.0 Motorized"
Angular Field of View	16:9	H: 97 deg. V: 53 deg. [*1]	H: 45 to 104 deg V: 25 to 58 deg [*1]
	4:3	—	—
Optical Zoom		—	2.5x
Pan/Tilt Range		—	—
Built-in IRLED		—	—
Image Stabilization		—	—
Intelligent Video Analytics		VMD	VMD
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	Slot	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
Vandal Resistant		IK10	IK10
Water and Dust Resistant		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+/DC12V	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

COMING FALL

MODEL#		WV-S2572L	WV-S2552L	WV-S2536LN
Resolution		4K	5MP	1080P
Environmental Type		Outdoor	Outdoor	Outdoor
Sensor		1/1.8 CMOS	1/2.8 CMOS	1/2.8" MOS
Video Codec		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
	4:3	—	3072 x 2304 [*1]	2048 x 1536 [*1]
Max. FPS @Max. Resolution		30fps (4K)	30fps (5MP)	60fps (1080p)
Super Dynamic [Dynamic Range]		Yes [132dB]	Yes [132dB]	Yes [144dB]
Day/Night		Yes (ICR)	Yes (ICR)	Yes (ICR)
Min. Illumination	Color	0.09 lx @F1.5	0.07 lx @F1.3	0.009lx @F1.3
	Color (Sens up)	0.006 lx (16x)	0.0044 lx (16x)	0.0006lx(16x)
	B/W	0 lx @F1.5 (w/IR)	0 lx @F1.3 (w/IR)	0.0lx @F1.3 (w/IR)
	B/W (Sens up)	—	—	—
Lens		f= 4.3 to 8.6 mm, F1.5 Motorized	f= 2.9 to 9mm, F1.3 Motorized	f=2.9 to 9mm, F1.3 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: 36 to 113 deg. V: 20 to 60 deg.
	4:3	—	H: 33 to 103 deg. V: 25 to 75 deg.	H: 26 to 82 deg. V: 20 to 60 deg.
Optical Zoom		2.0x	3.1 x	3.1x
Pan/Tilt Range		—	—	—
Built-in IRLED		Yes (131 ft)	Yes (131 ft)	Yes (164 ft)
Image Stabilization		—	—	—
Intelligent Video Analytics		Type7 Intruder, Loitering, Direction, Scene Change, Cross Line	Type7 Intruder, Loitering, Direction, Scene Change, Cross Line	Intruder, Loitering, Direction, Cross Line, Scene Change, Privacy guard, AI Face Detection, AI People Detection, AI Vehicle Detection, AI Sound Classification [*5]
VIQS		Yes (8-areas)	Yes (8-areas)	Yes
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	Slot	Yes (SDXC)	Yes (SDXC)	Yes(microSDXC)
External I/O		Yes (3) [*3]	Yes (3) [*3]	Yes (3) [*3]
Monitor Out		Yes (RCA)	Yes (RCA)	Yes (RCA)
Vandal Resistant		50J, IK10	50J, IK10	50J, IK10
Water and Dust Resistant		IP66 / NEMA 4X compliant	IP66 / NEMA 4X compliant	IP66 / NEMA 4X compliant
Clearsight Coating		(Optional)	(Optional)	Yes
Operating Temperature		-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
Other Functions		Onvif G,S, T	Onvif G,S, T	Onvif G,S,T, M (plan)

ACCESSORIES

PICTURE	SKU	DESCRIPTION	S2572L	S2552L	S2536LN
	WV-CW7S Smoke Dome	✓	✓	✓
	WV-CW7SN Smoke Dome with ClearSight Coating	✓	✓	✓
	WV-CW7CN Clear Dome with ClearSightCoating	✓	✓	✓

[*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   [*5] External microphone is required

DOME CAMERAS

MODEL#		WV-S2531LTN	WV-S2531LN	WV-S2511LN
Resolution		1080P	1080P	720P
Environmental Type		Outdoor	Outdoor	Outdoor
Sensor		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
Max. Resolution	16:9	1920 x 1080	1920 x 1080	1280 x 720
	4:3	2048 x 1536 [*1]	2048 x 1536 [*1]	1280 x 960
Max. FPS @Max. Resolution		60fps (1080p)	60fps (1080p)	60fps (720p)
Super Dynamic [Dynamic Range]		Yes [144dB]	Yes [144dB]	Yes [144dB]
Day/Night		Yes (ICR)	Yes (ICR)	Yes (ICR)
Min. Illumination	Color	0.015 lx @F1.7	0.012 lx @F1.6	0.008 lx @F1.6
	Color (Sens up)	0.001 lx (16x)	0.0008 lx (16x)	0.0005 lx (16x)
	B/W	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= 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: 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: 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		2.3x	3.6x	3.6x
Pan/Tilt Range		—	—	—
Built-in IRLED		Yes (131 ft)	Yes (131 ft)	Yes (131 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
VIQS		—	—	—
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	Slot	Yes (SDXC)	Yes (SDXC)	Yes (SDXC)
External I/O		Yes (3) [*3]	Yes (3) [*3]	Yes (3) [*3]
Monitor Out		Yes (mini jack)	Yes (mini jack)	Yes (mini jack)
Vandal Resistant		50J, IK10	50J, IK10	50J, IK10
Water and Dust Resistant		IP66 / NEMA 4X compliant	IP66 / NEMA 4X compliant	IP66 / NEMA 4X compliant
Clearsight Coating		Yes	Yes	Yes
Operating Temperature		-40°F to +140°F [*4]	-40°F to +140°F [*4]	-40°F to +140°F [*4]
Power Source		12 V DC / PoE	12 V DC / PoE	12 V DC / PoE
Other Functions		Onvif G,S,T	Onvif G,S,T	Onvif G,S,T

ACCESSORIES

PICTURE	SKU	DESCRIPTION	S2531LTN	S2531LN	S2511LN
	WV-CW7S Smoke Dome	✔	✔	✔
	WV-CW7SN Smoke Dome with ClearSight Coating	✔	✔	✔
	WV-CW7CN Clear Dome with ClearSightCoating	✔	✔	✔

[*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
Max. Resolution 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
Min. Illumination Color (Sens up)	0.02 lx (16x)	0.0019 lx (16x)	0.0013 lx (16x)	0.007 lx (16x)	0.003 lx (16x)
Min. Illumination 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
Min. Illumination 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.
Angular Field of View 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 IRLED	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	—	—	—	—
Audio In (Built-in MIC)	—	Yes	Yes	—	—
Audio 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 Slot	Yes (SDXC)	Yes (microSDXC)	Yes (microSDXC)	Yes (SDXC)	Yes (SDXC)
External I/O	Yes (3) [*4]	—	—	—	—
Monitor Out	Yes (RCA)	—	—	—	—
Vandal Resistant	IK10	IK10	IK10	IK10	IK10
Water and Dust Resistant	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 G,S,T, EN45545-2 compliant (WV-S3532LM only), EN50155-TX	Onvif G,S,T, 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

ACCESSORIES					
PICTURE	SKU	DESCRIPTION	S3531L	S3532LM	S3511L	S3512LM
	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

[*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-S2272L	WV-S2252L	WV-S2236L	WV-S2231L	WV-S2211L
Resolution	4K	5MP	1080P	1080P	720P
Environmental Type	Indoor Vandal	Indoor Vandal	Indoor Vandal	Indoor Vandal	Indoor Vandal
Sensor	1/1.8 CMOS	1/2.8 CMOS	1/2.8 MOS	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	3840×2160	3072 x 1728 [*1]	1920 x 1080	1920 x 1080	1280 x 720
Max. Resolution 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 [132dB]	Yes [132dB]	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	0.009lx @F1.3	0.012 lx @F1.6	0.008 lx @F1.6
Min. Illumination Color (Sens up)	0.006 lx (16x)	0.0044 lx (16x)	0.0006lx(16x)	0.0008 lx (16x)	0.0005 lx (16x)
Min. Illumination B/W	0 lx @F1.5 (w/IR)	0 lx @F1.3 (w/IR)	0.0lx @F1.3(w/IR)	0.0 lx @F1.6 (w/IR)	0.0 lx @F1.6 (w/IR)
Min. Illumination 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=2.9 to 9mm, 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 103 deg. V: 19 to 55 deg.	H:36 to 114 deg. V: 20 to 60 deg.	H: 30 to 109 deg. V: 17 to 58 deg.	H: 30 to 109 deg. V: 17 to 58 deg.
Angular Field of View 4:3	—	H: 33 to 103 deg. V: 25 to 75 deg.	H:27 to 82 deg. V: 20 to 60 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	3.1x	3.6x	3.6x
Pan/Tilt Range	—	—	—	—	—
Built-in IRLED	Yes (98 ft)	Yes (98 ft)	Yes (164 ft)	Yes (98 ft)	Yes (98 ft)
Image Stabilization	—	—	—	Yes	Yes
Intelligent Video Analytics	Type7 Intruder, Loitering, Direction, Scene Change, Cross Line	Type7 Intruder, Loitering, Direction, Scene Change, Cross Line	Intruder, Loitering, Direction, Cross Line, Scene Change, Privacy guard, AI Face Detection, AI People Detection, AI Vehicle Detection AI Sound Classification [*4]	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	—	—
Audio In (Line)/Out	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes
Audio In (Built-in MIC)	—	—	—	—	—
Audio 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 Slot	Yes (SDXC)	Yes (SDXC)	Yes (microSDXC)	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 (RCA)	Yes (mini jack)	Yes (mini jack)
Vandal Resistant	IK10	IK10	IK10	IK10	IK10
Water and Dust Resistant	—	—	—	—	—
Clearsight Coating	—	—	—	—	—
Operating Temperature	14°F to 122°F	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	12 V DC / PoE
Other Functions	Onvif G,S,T	Onvif G,S,T	Onvif G,S,T, M (plan)	Onvif G,S,T	Onvif G,S,T

ACCESSORIES

PICTURE	SKU	DESCRIPTION	S2272L	S2270L	S2252L	S2250L	S2236L	S2231L	S2211L
	WV-CR1S Smoke Dome	✔	✔	✔	✔	✔	✔	✔

[*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] External microphone is required

DOME CAMERAS

MODEL#		WV-S2136L	WV-S2131L	WV-S2111L	WV-S2110	WV-S3131L	WV-S3111L
Resolution		1080P	1080P	720P	720P	1080P	720P
Environmental Type		Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Sensor		1/2.8" MOS	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	H.265 / H.264 / JPEG
Max. Resolution	16:9	1920x1080	1920 x 1080	1280 x 720	1280 x 720	1920 x 1080	1280 x 720
	4:3	2048 x 1536 [*1]	2048 x 1536 [*1]	1280 x 960	1280 x 960	2048 x 1536 [*1]	1280 x 960
Max. FPS @Max. Resolution		60fps (1080p)	60fps (1080p)	60fps (720p)	60fps (720p)	60fps (1080p)	60fps (720p)
Super Dynamic [Dynamic Range]		Yes [144dB]	Yes [144dB]	Yes [144dB]	Yes [144dB]	Yes [144dB]	Yes [134dB]
Day/Night		Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (Electrical)	Yes (ICR)	Yes (ICR)
Min. Illumination	Color	0.009lx @F1.3	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)	0.0006lx(16x)	0.0008 lx (16x)	0.0005 lx (16x)	0.0005 lx (16x)	0.0019 lx (16x)	0.0013 lx (16x)
	B/W	0.0lx @F1.3(w/IR)	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= 2.9 to 9mm, F1.3 Motorized	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:36 to 115 deg. V: 20 to 61 deg.	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:28 to 82 deg. V: 20 to 61 deg.	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		3.1x	3.6x	3.6x	3.6x	—	—
Pan/Tilt Range		—	—	—	—	—	—
Built-in IRLED		Yes (164 ft)	Yes (98 ft)	Yes (98 ft)	—	Yes (49 ft)	Yes (49 ft)
Image Stabilization		—	Yes	Yes	Yes	—	—
Intelligent Video Analytics		Intruder, Loitering, Direction, Cross Line, Scene Change, Privacy guard, AI Face Detection, AI People Detection, AI Vehicle Detection AI Sound Classification [*4]	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	—	—	—	Yes (8-areas)	Yes (8-areas)
Audio	In (Line)/Out	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]	G.711 / G.726 / AAC-LC [*2]	G.711 / G.726 / AAC-LC [*2]
SD Memory Card	Slot	Yes (microSDXC)	Yes (SDXC)	Yes (SDXC)	—	Yes (microSDXC)	Yes (microSDXC)
External I/O		Yes (3) [*3]	Yes (3) [*3]	Yes (3) [*3]	—	—	—
Monitor Out		Yes (RCA)	Yes (mini jack)	Yes (mini jack)	Yes (mini jack)	—	—
Vandal Resistant		—	—	—	—	—	—
Water and Dust Resistant		—	—	—	—	—	—
Clearsight Coating		—	—	—	—	—	—
Operating Temperature		+14°F to +122°F	+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	12 V DC / PoE	PoE	PoE	PoE
Other Functions		Onvif G,S,T, M (plan)	Onvif G,S	Onvif G,S	Onvif S,T	Onvif G,S,T	Onvif G,S,T

ACCESSORIES

PICTURE	SKU	DESCRIPTION	S2136L	S2131L	S2111L	S2110	S3131L	S3111L
	WV-CF5SA Smoke Dome	✔	✔	✔	✔		
	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

[*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] External microphone is required

360 DEGREE DOME CAMERAS

MODEL#		WV-X4573L/WV-X4573LM	WV-S4551L/WV-S4551LM	WV-X4173	WV-X4172	WV-S4151
Resolution		12MP	5 MP	12MP	12MP	5MP
Environmental Type		Outdoor	Outdoor	Indoor	Indoor	Indoor
Sensor		1/2" CMOS	1/3" MOS	1/2" CMOS	1/2" CMOS	1/3" MOS
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 2992 x 2992 [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]
Max. FPS @Max. Resolution		30fps (9M)	30fps (5M)	30fps (9M)	30fps (9M)	30fps (5M)
Super Dynamic [Dynamic Range]		WDR(84dB)	Yes [120dB]	WDR(84dB)	WDR(84dB)	Yes [120dB]
Day/Night		Yes (ICR)	Yes (ICR)	Yes (Electrical)	Yes (Electrical)	Yes (Electrical)
Min. Illumination	Color	0.3 lx @F1.9	0.15 lx @F2.4	0.3 lx @F1.9	0.3 lx @F1.9	0.15 lx @F2.4
	Color (Sens up)	0.02 lx (16x)	0.01lx (16x)	0.02 lx (16x)	0.02 lx (16x)	0.01lx (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	0.1 lx @F2.4
	B/W (Sens up)	0.003 lx (16x)	0.0013 lx (16x)	0.01 lx (16x)	0.01 lx (16x)	0.006 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 IRLED		Yes (33 ft)	Yes (33 ft)	—	—	—
Image Stabilization		—	—	—	—	—
Intelligent Video Analytics		Type8 Heat Map, People Count, MOR or Intruder/Loitering, Scene Change, Cross Line, Object	Type8 Heat Map, People Count, MOR or Intruder/Loitering, Scene Change, Cross Line, Object	Type8 Heat Map, People Count, MOR or Intruder/Loitering, Scene Change, Cross Line, Object	Type8 Heat Map, People Count, MOR or Intruder/Loitering, Scene Change, Cross Line, Object	Type8 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	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	Slot	Yes (SDXC)	Yes (SDXC)	Yes (SDXC)	Yes (SDXC)	Yes (SDXC)
External I/O		Yes (3) [*4]	Yes (3) [*4]	Yes (3) [*4]	—	Yes (3) [*4]
Monitor Out		Yes (mini jack)	Yes(mini jack)	Yes (mini jack)	—	Yes(mini jack)
Vandal Resistant		50J, IK10	50J, IK10	—	—	—
Water and Dust Resistant		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	12 V DC / PoE	12 V DC / PoE
Other Functions		Onvif G,S,T, Railway Application (EN50155-TX, EN50121, EN45545, EN50498 and ECE-R10(X4573LM))	Onvif G,S,T, Railway Application (EN50155-TX, EN50121, EN45545, EN50498 and ECE-R10(X4573LM) (S4551LM))	Onvif G,S,T	Onvif G,S,T	Onvif G,S,T

BOX CAMERAS

COMING FALL

MODEL#	WV-S1572L	WV-S1552L	WV-S1536LN	WV-S1531LN	WV-S1531LTN	WV-S1511LN
Resolution	4K	5MP	1080P	1080P	1080P	720P
Environmental Type	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Sensor	1/1.8 CMOS	1/2.8 CMOS	1/2.8" MOS	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	H.265 / H.264 / JPEG
Max. Resolution — 16:9	3840 × 2160	3072 x 1728 [*1]	1920 x 1080	1920 x 1080	1920 x 1080	1280 x 720
Max. Resolution — 4:3	—	3072 x 2304 [*1]	2048 x 1536 [*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 (1080p)	60fps (720p)
Super Dynamic [Dynamic Range]	Yes [132dB]	Yes [132dB]	Yes [144B]	Yes [144B]	Yes [144B]	Yes [144B]
Day/Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
Min. Illumination — Color	0.09 lx @F1.5	0.07 lx @F1.3	0.009lx @F1.3	0.012 lx @F1.6	0.015 lx @F1.7	0.008 lx @F1.6
Min. Illumination — Color (Sens up)	0.006 lx (16x)	0.0044 lx (16x)	0.0006lx(16x)	0.0008 lx (16x)	0.001 lx (16x)	0.0005 lx (16x)
Min. Illumination — B/W	0 lx @F1.5 (w/IR)	0 lx @F1.3 (w/IR)	0.0lx @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)
Min. Illumination — 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=2.9 to 9mm, 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: 37 to 117 deg V: 21 to 62 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.
Angular Field of View — 4:3	—	H: 34 to 106 deg. V: 25 to 77 deg.	H: 27 to 82 deg. V: 21 to 62 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	2x	3.1x	3.1x	3.6x	2.3x	3.6x
Pan/Tilt Range	—	—	—	—	—	—
Built-in IRLED	Yes (131 ft)	Yes (131 ft)	Yes (164 ft)	Yes (131 ft)	Yes (131 ft)	Yes (131 ft)
Image Stabilization	—	—	Yes	Yes	Yes	Yes
Intelligent Video Analytics	Type7 Intruder, Loitering, Direction, Scene Change, Cross Line	Type7 Intruder, Loitering, Direction, Scene Change, Cross Line	Intruder, Loitering, Direction, Cross Line, Scene Change, Privacy guard, AI Face Detection, AI People Detection, AI Vehicle Detection, AI Sound Classification [*5]	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	—	—	—
Audio — In (Line)/Out	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes
Audio — In (Built-in MIC)	—	—	—	—	—	—
Audio — 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]	G.711 / G.726 / AAC-LC [*2]
SD Memory Card — Slot	Yes (SDXC)	Yes (SDXC)	Yes(microSDXC)	Yes (SDXC)	Yes (SDXC)	Yes (SDXC)
External I/O	Yes (3) [*3]	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)	Yes (RCA)
Vandal Resistant	IK10	IK10	IK10	IK10	IK10	IK10
Water and Dust Resistant	IP66 / NEMA 4X compliant	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	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]	-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	12 V DC / PoE
Other Functions	Onvif G,S,T	Onvif G,S,T	Onvif G,S,T, M (plan)	Onvif G,S,T	Onvif G,S,T	Onvif G,S,T

ACCESSORIES

PICTURE	SKU	DESCRIPTION	S1572L	S1552L	S1536LN	S1531LN	S1531LTN	S1511LN
	WV-CW8CN Front Cover with ClearSight Coating	✔	✔		✔	✔	✔

[*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.   [*5] External microphone is required

BOX CAMERAS

MODEL#		WV-SPV781L	WV-S1136	WV-S1131	WV-S1111
Resolution		4K	1080P	1080P	720P
Environmental Type		Outdoor	Indoor	Indoor	Indoor
Sensor		1/1.7" CMOS	1/2.8" MOS	1/2.8" 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	3840 x 2160	1920 x 1080	1920 x 1080	1280 x 720
	4:3	4000 x 3000	2048 x 1536 [*1]	2048 x 1536 [*1]	1280 x 960
Max. FPS @Max. Resolution		30fps (4K)	60fps (1080p)	60fps (1080p)	60fps (720p)
Super Dynamic [Dynamic Range]		WDR	Yes [144B]	Yes [144B]	Yes [144B]
Day/Night		Yes (ICR)	Yes(ICR)	Yes (ICR)	Yes (ICR)
Min. Illumination	Color	0.3 lx @F1.6	0.008lx @F1.2	0.01 lx @F1.4	0.007 lx @F1.4
	Color (Sens up)	0.02 lx (16x)	0.0005lx (16x)	0.0007 lx (16x)	0.0005 lx (16x)
	B/W	0.0 lx @F1.6 (w/IR)	0.004lx @F1.2	0.004 lx @F1.4	0.003 lx @F1.4
	B/W (Sens up)	—	0.0003lx (16x)	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	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 IRLED		Yes (98 ft)	—	—	—
Image Stabilization		—	—	Yes	Yes
Intelligent Video Analytics		—	Intruder, Loitering, Direction, Cross Line, Scene Change, Privacy guard, AI Face Detection, AI People Detection, AI Vehicle Detection, AI Sound Classification [*5]	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	Slot	Yes (SDXC)	Yes (microSDXC)	Yes (SDXC)	Yes (SDXC)
External I/O		Yes (3) [*3]	Yes (3) [*4]	Yes (3) [*4]	Yes (3) [*4]
Monitor Out		Yes (RCA)	Yes (RCA)	Yes (RCA)	Yes (RCA)
Vandal Resistant		IK10	—	—	—
Water and Dust Resistant		IP66 / NEMA 4X compliant	—	—	—
Clearsight Coating		Yes	—	—	—
Operating Temperature		-49°F to +122°F	+14°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	12 V DC / PoE
Other Functions		Onvif G,S	Onvif G,S,T, M (plan)	Onvif G,S,T	Onvif G,S,T

ACCESSORIES

PICTURE	SKU | DESCRIPTION	SPV781L	S1136	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		✔	✔	✔

[*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)   [*5] External microphone is required

U-SERIES

MODEL#		WV-U2542L	WV-U2532L	WV-U2142L	WV-U2132L
Resolution		4MP	1080P	4MP	1080P
Environmental Type		Outdoor	Outdoor	Indoor	Indoor
Sensor		1/2.7" CMOS	1/3" CMOS	1/2.7" CMOS	1/3" CMOS
Video Codec		H.265	H.265	H.265	H.265
Max. Resolution	16:9	2688 x 1520	1920 x 1080	2688 x 1520	1920 x 1080
	4:3	—	1600 x 1200	—	1600 x 1200
Max. FPS @Max. Resolution		30fps (1080p)	30fps (1080p)	30fps (1080p)	30fps (1080p)
Super Dynamic [Dynamic Range]		Yes [102dB]	Yes [120dB]	Yes [102dB]	Yes [120dB]
Day/Night		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
	Color (Sens up)	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)
	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
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.
	4:3	—	H: 35 to 82 deg. V: 27 to 61 deg.	—	H: 36 to 83 deg. V: 27 to 62 deg.
Optical Zoom		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)
Image Stabilization		—	—	—	—
Intelligent Video Analytics		—	—	—	—
VIQS		Yes	Yes	Yes	Yes
Audio	In (Line)/Out	—	—	—	—
	In (Built-in MIC)	—	—	—	—
	Codec	—	—	—	—
SD Memory Card	Slot	Yes (microSDXC)	Yes (microSDXC)	Yes (microSDXC)	Yes (microSDXC)
External I/O		—	—	—	—
Monitor Out		—	—	—	—
Vandal Resistant		IK10	IK10	—	—
Water and Dust Resistant		IP66 / NEMA 4X compliant	IP66 / NEMA 4X compliant	—	—
Clearsight Coating		—	—	—	—
Operating Temperature		-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
Other Functions		Onvif G,T	Onvif G,T	Onvif G,T	Onvif G,T

ACCESSORIES					
PICTURE	SKU | DESCRIPTION	U2542L	U2532L	U2142L	U2132L
	WV-CW7S Smoke Dome	✔	✔		
	WV-CW7SN Smoke Dome with ClearSight Coating	✔	✔		
	WV-CW7CN Clear Dome with ClearSightCoating	✔	✔		
	WV-CF5SA Smoke Dome			✔	✔

U-SERIES

MODEL#		WV-U2540L	WV-U2530L	WV-U2140L	WV-U2130L
Resolution		4MP	1080P	4MP	1080P
Environmental Type		Outdoor	Outdoor	Indoor	Indoor
Sensor		1/2.7" CMOS	1/3" CMOS	1/2.7" CMOS	1/3" CMOS
Video Codec		H.265	H.265	H.265	H.265
Max. Resolution	16:9	2688 x 1520	1920 x 1080	2688 x 1520	1920 x 1080
	4:3	—	1600 x 1200	—	1600 x 1200
Max. FPS @Max. Resolution		30fps (1080p)	30fps (1080p)	30fps (1080p)	30fps (1080p)
Super Dynamic [Dynamic Range]		Yes [102dB]	Yes [120dB]	Yes [102dB]	Yes [120dB]
Day/Night		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
	Color (Sens up)	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)
	B/W (Sens up)	—	—	—	—
Lens		3.16 mm	3.16 mm	3.16 mm	3.16 mm
Angular Field of View	16:9	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: 81 deg. V: 60 deg.	—	H: 81 deg. V: 60 deg.
Optical Zoom		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 Analytics		—	—	—	—
VIQS		Yes	Yes	Yes	Yes
Audio	In (Line)/Out	—	—	—	—
	In (Built-in MIC)	—	—	—	—
	Codec	—	—	—	—
SD Memory Card	Slot	Yes (MicroSDXC)	Yes (MicroSDXC)	Yes (MicroSDXC)	Yes (MicroSDXC)
External I/O		—	—	—	—
Monitor Out		—	—	—	—
Vandal Resistant		IK10	IK10	—	—
Water and Dust Resistant		IP66 / NEMA 4X compliant	IP66 / NEMA 4X compliant	—	—
Clearsight Coating		—	—	—	—
Operating Temperature		-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
Other Functions		Onvif G,T	Onvif G,T	Onvif G,T	Onvif G,T

ACCESSORIES			
PICTURE	SKU | DESCRIPTION	U2540L U2530L	U2140L U2130L
	WV-QDC500S Smoke Dome	✔	✔

U-SERIES

MODEL#		WV-U1542L	WV-U1532L	WV-U1142	WV-U1132	WV-U1130
Resolution		4MP	1080P	4MP	1080P	1080P
Environmental Type		Outdoor	Outdoor	Indoor	Indoor	Indoor
Sensor		1/2.7" CMOS	1/3" CMOS	1/2.7" CMOS	1/3" CMOS	1/3" CMOS
Video Codec		H.265	H.265	H.265	H.265	H.265
Max. Resolution	16:9	2688 x 1520	1920 x 1080	2688 x 1520	1920 x 1080	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)
Super Dynamic [Dynamic Range]		Yes [102dB]	Yes [120dB]	Yes [102dB]	Yes [120dB]	Yes [120dB]
Day/Night		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	0.1 lx @F2.0
	Color (Sens up)	0.019 lx (16x)	0.006 lx (16x)	0.019 lx (16x)	0.006 lx (16x)	0.006 lx (16x)
	B/W	0 lx @F2.0 (w/IR)	0 lx @F2.0 (w/IR)	0.12 lx @F2.0	0.04 lx @F2.0	0.04 lx @F2.0
	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	f= 2.9 to 7.3 mm, F2.0 Motorized	f= 2.9 to 7.3 mm, F2.0 Motorized	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: 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
	4:3	—	H: 36 to 84 deg. V: 27 to 63 deg.	—	H: 36 to 84 deg. V: 27 to 63 deg.	H: 81 deg. V: 60 deg.
Optical Zoom		2.5x	2.5x	2.5x	2.5x	FIX
Pan/Tilt Range		—	—	—	—	—
Built-in IRLED		Yes (20m / 65ft)	Yes (30m / 100ft)	—	—	—
Image Stabilization		—	—	—	—	—
Intelligent Video Analytics		—	—	—	—	—
VIQS		Yes	Yes	Yes	Yes	Yes
Audio	In (Line)/Out	—	—	—	—	—
	In (Built-in MIC)	—	—	—	—	—
	Codec	—	—	—	—	—
SD Memory Card	Slot	Yes (MicroSDXC)	Yes (MicroSDXC)	Yes (MicroSDXC)	Yes (MicroSDXC)	Yes (MicroSDXC)
External I/O		—	—	—	—	—
Monitor Out		—	—	—	—	—
Vandal Resistant		IK10	IK10	—	—	—
Water and Dust Resistant		IP66 / NEMA 4X compliant	IP66 / NEMA 4X compliant	—	—	—
Clearsight Coating		—	—	—	—	—
Operating Temperature		-22°F to +122°F	-22°F to +122°F	+14°F to +122°F	+14°F to +122°F	+14°F to +122°F
Power Source		PoE	PoE	PoE	PoE	PoE
Other Functions		Onvif G,T	Onvif G,T	Onvif G,T	Onvif G,T	Onvif G,T

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-NX400/4000T4** 4TB Model (1 x 4TB HDD) **WJ-NX400/6000T6** 6TB Model (1 x 6TB 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-NX200/4000T4** 4TB Model (1 x 4TB HDD) **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-HXE400/4000T4** 4TB Model (1 x 4TB HDD) **WJ-HXE400/6000T6** 6TB Model (1 x 6TB HDD) **WJ-HXE400/36000T4** 36TB Model (9 x 4TB HDD) **WJ-HXE400/54000T6** 54TB Model (9 x 6TB HDD)

OPTIONAL ACCESSORIES				
MODEL#	FOR WJ-NX400	FOR WJ-NX300	FOR WJ-NX200	FOR WJ-HXE400
HDD	**6TB HDD CANISTER/6000** / **4TB HDD CANISTER/4000**	**6TB HDD CANISTERNX300/T6** / **4TB HDD CANISTERNX300/T4**	—	**6TB HDD CANISTER/6000** / **4TB HDD CANISTER/4000**
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)	—
Additional License — Secure Communication Kit	**WJ-NXS01W** (1 camera) / **WJ-NXS04W** (4 cameras) / **WJ-NXS16W** (16 cameras) / **WJ-NXS32W** (32 cameras)			—
Additional License — 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.

PANASONIC SECURITY VIEWER

Panasonic Security Viewer is an application that can view the images from i-PRO Series Network Cameras, Network Disk Recorder. By connecting a terminal to a 3G/4G or wireless LAN (Wi-Fi), it is possible to view live images from cameras registered on the recorder and recorded images stored on recorders.

Network disk recorder
■ Live image: Live images from the network cameras connected to the recorder
■ Playing back recorded images: To play back the images stored on the recorder
■ Mobile Playback feature (WJ-NX400 / WJ-NX300 / WJ-NX200)
■ Time & date search: To search the images to play back based on the time & date

Network camera
■ Network camera control *
  (Resolution switchover, focus, panning / tilting, zoom, preset position switchover)
■ Playing back recorded image in the SD memory card*
  *Depends on the network camera functions.

MANAGEMENT SOFTWARE

MODEL#	WV-ASM300W
Specification	**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-CU980 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-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

SYSTEM CONTROLLER

MODEL#	WV-CU980
Specification	**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

i-PRO SD MEMORY CARDS
COMING FALL

	WV-SDA032G	WV-SDA064G	WV-SDA128G	WV-SDA256G	WV-SDA512G
Type	SDHC	SDXC	SDXC	SDXC	SDXC
Storage	32GB	64GB	128GB	256GB	512GB

i-PRO MICRO SD MEMORY CARDS
COMING FALL

	WV-SDB032G	WV-SDB064G	WV-SDB128G	WV-SDB256G
Type	microSDHC	microSDXC	microSDXC	microSDXC
Storage	32GB	64GB	128GB	256GB

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	—
SD Memory Card	Yes (SDHC)	—

COAXIAL-LAN CONVERTER

MODEL#		WJ-PC200	WJ-PR204	WJ-PR201
Device Type		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	

ANALOG CAMERAS

MODEL#		WV-CW634S	WV-CP310/WV-CP314
CAMERA TYPE		**DOME**	**BOX**
Environemtal Type		Outdoor	Indoor
Sensor		1/3 type interline transfer CCD	1/3 type interline transfer CCD
Max. Resolution	Horizontal	700 TV lines	650 TV lines
Super Dynamic/WDR/BLC		Super-D	BLC
Day/Night		Yes(ICR)	Yes(ICR)
Focus Adjustment		ABF	Focus Assist
Min. Illumination	Color	0.08lx	0.08lx
	Color (Sens up)	0.0024lx	0.0025lx
	B/W	0.08lx	0.008lx
	B/W (Sens up)	0.00024lx	0.00025lx
Lens		f=3.8 to 8.0mm, F1.4	Optional
Angular field of view		H:33.6°(Tele) to 74.9°(Wide) V:25.2°(Tele) to 55.7°(Wide)	—
Optical Zoom/Digital Zoom		2.1x/2x	-/2x
Pan/Tilt Range		±170°, ±75°	—
Built-in IR LED		—	—
VMD (Video Motion Detection)		Yes	Yes
Intelligent Video Analytics		Scene Change	Scene Change
External I/O		—	—
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
Power Source		24 V AC or 12 V DC	WV-CP310: 120 V AC WV-CP314: 24 V AC or 12 V DC

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	✓

ACCESSORIES		
PICTURE	**SKU | DESCRIPTION**	**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	✓
	PLZ5/10A 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	✓

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	9 : -	9 : -	9 : -	9 :			A-D : Minor Change	
			S : Standard	8 : Multi-Sensor	8 : -	8 : -	8 :			L : LED	
			U: Low-end	7 : -	7 : -	7 : 4K	7 :			N : ClearSight	
				6 : PTZ (Dome)	6 : -	6 :	6 :			M : M12	
				5 : -	5 : Outdoor Vandal	5 : 5MP	5 :			W : -	
				4 : 360 deg.	4 : -	4 : 4MP	4 :			T : Long focal lens	
				3 : Compact Dome	3 : -	3 : FHD	3 :				
				2 : Dome	2 : Indoor Vandal	2 :	2 :				
				1 : Box	1 : Indoor Normal	1 : HD	1 :				
				0 : -	0 : -	0 :-	0 :				

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.

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

Find the serial number on your camera and/or carton box.

The first letter of the serial number code indicates the year of production, where M=2013, N=2014, O=2015.

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:
surveillance.i-pro.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

WALL	PWM25GS Silver	⊕	PAPM6 [*1] Black	WV-Q122A Silver
POLE	PAPM4GR Cool Gray	⊕		PWM25GS Silver WV-Q122A Silver
CORNER	PACA4GR Cool Gray	⊕		PWM25GS Silver WV-Q122A Silver
HANGING	WV-QCL101-W [*2] White			WV-Q121B Silver
PARAPET	PPRM35W White			
CEILING	WV-QCL500-S Silver			
ATTACHMENT ADAPTER	WV-QAT501-S [*1][*5] Silver			

AERO PTZ CAMERA

OUTDOOR

WV-SUD638	2MP - 30x Zoom	Silver

Please contact your sales representative

INDOOR PTZ CAMERA

INDOOR

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

WALL	WV-Q119 [*3] White		
	WV-Q158C [*4] Silver | Clear Dome WV-Q158S [*4] Silver | Smoke Dome		
CORNER	PACA4W White PACA4GR Cool Gray	⊕	WV-Q119 [*3] White WV-Q158C [*4] Silver | Clear Dome WV-Q158S [*4] Silver | Smoke Dome
HANGING	WV-QCL101-W [*2] White	⊕	WV-QCL101-W White
CEILING	WV-Q126A [*3] Silver		
	WV-Q159C [*4] Silver | Clear Dome WV-Q159S [*4] Silver | Smoke Dome		
	WV-Q160C [*4] Silver | Clear Dome WV-Q160S [*4] Silver | Smoke Dome		
	WV-Q105A Silver		

[*1] If needed. [*2] This bracket requires 1 ½" NPT pipe. [*3] For WV-S6131/S6111.
[*4] For WV-S6130   [*5] Compatible with PWM25GS and PPRM35W

DOME CAMERAS

OUTDOOR

WV-X8571N	33MP (4K x 4) - Clear Dome w/ ClearSight	White
WV-S8531N	8MP (2MP x 4) - Clear Dome w/ ClearSight	White
WV-SFV781L	4K - Clear Dome w/ ClearSight	Gray

WALL	PWM850W [*3] White PWM850 [*4] Cool Gray	+	PAPM6 [*1] Black
POLE	PAPM4W White PAPM4GR Cool Gray	+	PWM850W White PWM850 Cool Gray
CORNER	PACA4W White PACA4GR Cool Gray	+	PWM850W White PWM850 Cool Gray
HANGING	WV-QCL501-W White		WV-QSR502A-W White
	WV-QCL101-W [*2] White	+	PS781W White PS781 Cool Gray
PARAPET	PPRM35W White	+	PS781W White PS781 Cool Gray
CEILING	WV-Q105A Silver	WV-QJB501-W [*7] White	PRCM8 White

OUTDOOR

WV-X2571LN	4K – Clear Dome w/ ClearSight	White
WV-X2551LN	5MP – Clear Dome w/ ClearSight	White
WV-S2572L	4K - Clear Dome	White
WV-S2552L	5MP - Clear Dome	White
WV-S2536LN	2MP - Clear Dome w/ ClearSight	White
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

WALL	PWM485W [*5] White PWM485S [*6] Cool Gray	+	PAPM6 [*1] Black
	WV-QWL500-W White WV-QWL500-G Gray	+	WV-QJB500-W [*1] White WV-QJB500-G [*1] Gray
	WV-QSR500-W White WV-Q7118 Beige	+	WV-QJB501-W [*7] White
POLE	PAPM4W White PAPM4GR Cool Gray	+	PWM485W White PWM485S Cool Gray
CORNER	PACA4W White PACA4GR Cool Gray		WV-QWL500-W White WV-QWL500-G Gray
HANGING	WV-QCL501-W White WV-Q121B Silver	+	WV-QSR501-W White WV-Q124 Silver
	WV-QCL101-W [*2] White	+	PS485W White PS485S Cool Gray
	WV-QCL101-W [*2] White	+	WV-QCL101-W White
PARAPET	PPRM35W White	+	PS485W White PS485S Cool Gray
CEILING	WV-QEM500-W White WV-Q169A Silver	WV-QJB501-W [*7] White	WV-Q105A Silver

[*1] If needed.   [*2] This bracket requires 1 ½" NPT pipe.   [*3] Included components PWM40W and PS781W.   [*4] Included components PWM40 and PS781.
[*5] Included components PWM40W and PS485W.   [*6] Included components PWM40 and PS485S.   [*7] For WV-X8571N/S8531N/S2536LN/U2542L/U2532L.

DOME CAMERAS

OUTDOOR

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

INDOOR

WV-X2271L	4K – Clear Dome	White
WV-X2251L	5MP - Clear Dome	White
WV-S2272L	4K - Clear Dome	White
WV-S2252L	5MP - Clear Dome	White
WV-S2236L	2MP - Clear Dome	White
WV-S2136L	2MP - Clear Dome	White
WV-S2231L	2MP - Clear Dome	White
WV-S2131L	2MP - Clear Dome	White
WV-S2211L	1.3MP - Clear Dome	White
WV-S2111L	1.3MP - Clear Dome	White
WV-S2110	1.3MP - Clear Dome	White
WV-U2142L	4MP - Clear Dome	White
WV-U2132L	2MP - Clear Dome	White
WV-U2140L	4MP - Clear Dome	White
WV-U2130L	2MP - Clear Dome	White

WALL	WV-QWL500-W White WV-QWL500-G Gray	+	WV-QJB500-W [*1] White WV-QJB500-G [*1] Gray
	WV-QWL501-W White WV-Q122A Silver	+	WV-QSR501-W [*3] White WV-Q124 [*3] Silver
POLE	PAPM4W White PAPM4GR Cool Gray	+	WV-QWL500-W White WV-QWL500-G Gray
CORNER	PACA4W White PACA4GR Cool Gray	+	WV-QWL500-W White WV-QWL500-G Gray
HANGING	WV-QCL501-W White WV-Q121B Silver	+	WV-QSR501-W [*3] White WV-Q124 [*3] Silver
	WV-QCL101-W [*2] White	+	WV-QCL101-W White
CEILING	WV-Q105A [*3] Silver		WV-QEM100-W [*3] White
	WV-QJB502-W [*4] White WV-QJB502-G [*4] Gray		
DOUBLE/ OCTAGON GANG BOX	WV-QAT502-W [*4] White WV-QAT502-G [*4] Gray		

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

WALL	WV-QWL500-W White WV-QWL500-G Gray	+	WV-QJB500-W [*1] White WV-QJB500-G [*1] Gray
POLE	PAPM4W White PAPM4GR Cool Gray	+	WV-QWL500-W White WV-QWL500-G Gray
CORNER	PACA4W White PACA4GR Cool Gray	+	WV-QWL500-W White WV-QWL500-G Gray
HANGING	WV-QCL101-W [*2] White	+	WV-QCL101-W White
CEILING	WV-QJB502-W [*5] White WV-QJB502-G [*5] Gray		
DOUBLE/ OCTAGON GANG BOX	WV-QAT502-W White WV-QAT502-G Gray		

[*1] If needed. [*2] This bracket requires 1 ½" NPT pipe. [*3] Incompatible with WV-U2540L, WV-U2530L, WV-U2140L, WV-U2130L.
[*4] For U2540L, U2530L, U2140L, U2130L.   [*5] For S3531L, S3532LM, S3511L, S3512LM

OUTDOOR
BOX CAMERAS

OUTDOOR

WV-X1571LN	4K – 4.3 to 8.6mm Motorized Lens	White
WV-X1551LN	5MP - 2.9 to 9mm Motorized Lens	White
WV-S1572L	4K - 4.3 to 8.6mm Motorized Lens	White
WV-S1552L	5MP - 2.9 to 9mm Motorized Lens	White
WV-S1536LN	2MP - 2.9 to 9mm Motorized Lens	White
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
WV-SPV781L	4K - 4.2 to 25.2mm Motorized Lens	Silver

WALL/ CEILING		WV-QJB500-W [*1][*2] White WV-QJB500-G [*1][*2] Gray		
POLE		PAPM4W White PAPM4GR Cool Gray	⊕	WV-QJB500-W [*1][*2] White WV-QJB500-G [*1][*2] Gray
CORNER		PACA4W White PACA4GR Cool Gray	⊕	WV-QJB500-W [*1][*2] White WV-QJB500-G [*1][*2] Gray
HANGING		WV-QCL101-W [*3] White	⊕	WV-QCL101-W White

INDOOR
BOX CAMERAS

INDOOR

WV-S1136	2MP - Lens not included	White
WV-S1131	2MP - Lens not included	White
WV-S1111	1.3MP - Lens not included	White
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

WALL/ CEILING	PUM9	Silver

[*1] For WV-U1542L/U1532L [*2] If needed [*3] This bracket requires 1 ½" NPT pipe.

360 DEGREE DOME CAMERAS

OUTDOOR

WV-X4573LM	12MP - M12 (Transit Model)	White
WV-X4573L	12MP	White
WV-S4551LM	5MP - M12 (Transit Model)	White
WV-S4551L	5MP	White

INDOOR

WV-X4173	12MP	White
WV-X4172	12MP	White
WV-S4151	5MP	White

WALL	PWM485W [*3] White PWM485S [*4] Cool Gray	+	PAPM6 [*1] Black
	WV-QWL500-W White WV-QWL500-G Gray	+	WV-QJB500-W [*1] White WV-QJB500-G [*1] Gray
POLE	PAPM4W White PAPM4GR Cool Gray		PWM485W White PWM485S Cool Gray
CORNER	PACA4W White PACA4GR Cool Gray	+	WV-QWL500-W White WV-QWL500-G Gray
HANGING	WV-QCL501-W White WV-Q121B Silver	+	WV-QSR501-W [*5] White WV-Q124 [*5] Silver
	WV-QCL101-W [*2] White	+	PS485W White PS485S Cool Gray
	WV-QCL101-W [*2] White	+	WV-QCL101-W White
CEILING	WV-Q105A Silver		WV-QJB501-W [*6] White

OUTDOOR ANALOG DOME CAMERAS

OUTDOOR

WV-CW634S	w/ Mount Bracket Clear Dome

WALL	PWM485S [*4] Cool Gray		WV-Q7118 Beige
POLE	PAPM4GR Cool Gray	+	PWM485S Cool Gray
CORNER	PACA4GR Cool Gray		
HANGING	WV-Q121B Silver	+	WV-Q124 Silver
	WV-QCL101-W [*2] White	+	PS485S Cool Gray
PARAPET	PPRM35W White	+	PS485S Cool Gray
CEILING	WV-Q169A Silve		WV-Q105A Silver

INDOOR ANALOG BOX CAMERAS

INDOOR

WV-CP310/314	Lens not included

WALL/CEILING	PUM9 Silver

[*1] If needed. [*2] This bracket requires 1 ½" NPT pipe. [*3] Included components PWM40W and PS485W.
[*4] Included components PWM40, PS485S. PAPM6 If needed.   [*5] Only for outdoor models. [*6] For WV-X4573LM/S4551LM

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ADVIDIA
M-SERIES
CAMERAS

MODEL#		M-46-F	M-46-FW	M-45-FW
TYPE		DOME	DOME	DOME
Resolution		4MP	4MP	4MP
Environmental Type		Indoor | Outdoor	Indoor | Outdoor	Indoor
Sensor		1/3" progressive Scan CMOS	1/3" progressive Scan CMOS	1/3" progressive Scan CMOS
Video Codec		H.265 / H.264	H.265 / H.264	H.265 / H.264
Max. Resolution		2688 x 1520	2688 x 1520	2688 x 1520
Max. FPS @ Max. Resolution	H.265 / H.264 / JPEG	30fps @ (2688 x 1520)	30fps @ (2688 x 1520)	30fps @ (2688 x 1520)
True WDR		True WDR @ 120dB	True WDR @ 120dB	True WDR @ 120dB
Day/Night ICR / IR		Yes	Yes	Yes
ABF (Auto Back Focus) / Auto Focus		Fixed	Fixed	Fixed
Min. Illumination	Color	0.01 Lx	0.01 Lx	0.01 Lx
	B/W	0 Lux with IR	0 Lux with IR	0 Lux with IR
Lens		f= 4.0 mm, F2.0	f= 2.8 mm, F2.0	f= 2.8 mm, F2.0
Horizontal field of view	16: 9	82 deg.	95.8 deg.	95.8 deg.
Adjusting Angle	Pan	3° to 360°	3° to 360°	3° to 360°
	Tilt	0° to 68°	0° to 68°	0° to 68°
Optical Zoom		–	–	–
Digital Zoom		–	–	–
Built-in IR LED		Yes (30 m)	Yes (30 m)	Yes (30 m)
Image Stabilizer		–	–	–
Corridor Mode		–	–	–
VMD (Video Motion Detection)		Yes	Yes	Yes
Analytics		Intrusion, Human Body Detection, Motion Detection, Tampering Alarm, Audio Detection	Intrusion, Human Body Detection, Motion Detection, Tampering Alarm, Audio Detection	Intrusion, Human Body Detection, Motion Detection, Tampering Alarm, Audio Detection
Max. Connection		–	–	–
Audio	In (Line) / Out	Yes/Yes External Mic will need External Power	Yes/Yes External Mic will need External Power	Yes/Yes External Mic will need External Power
	In (Built-in MIC)	No	No	Yes
	Codec	G.711	G.711	G.711
SD memory Card	Slot	Micro SD, up to 256GB	Micro SD, up to 256GB	Micro SD, up to 256GB
External I/O		Yes (1in / 1out)	Yes (1in / 1out)	Yes (1in / 1out)
Monitor Out		No	No	No
Vandal Resistant		IK10	IK10	–
Water and Dust Resistance		IP67	IP67	–
Temperature		-31°F to 140°F	-31°F to 140°F	-31°F to 140°F
Power Source		DC12V±25%, PoE 802.3af Power consumption: Max 5.5W	DC12V±25%, PoE 802.3af Power consumption: Max 5.5W	DC12V±25%, PoE 802.3af Power consumption: Max 5.5W
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 M-SERIES CAMERAS

MODEL#		M-44-V-T	M-87-V	M-46-V
TYPE		DOME	DOME	DOME
Resolution		4MP	8MP (4K)	4MP
Environmental Type		Indoor | Outdoor	Indoor | Outdoor	Indoor I Outdoor
Sensor		1/3" progressive Scan CMOS	1/2.8" progressive Scan CMOS	1/3" CMOS
Video Codec		H.265 / H.264	H.265 / H.264	H.265/H.264
Max. Resolution		2688 x 1520	3840 x 2160	2688 x 1520
Max. FPS @ Max. Resolution	H.265 / H.264 / JPEG	30fps @ (2688 x 1520)	20fps @ 3840 x 2160	30fps @ (2688 x 1520)
True WDR		True WDR @ 120dB	True WDR @ 120dB	True WDR @ 120dB
Day/Night ICR / IR		Yes	Yes	Yes
ABF (Auto Back Focus) / Auto Focus		Auto Focus	Auto Focus	Auto Focus
Min. Illumination	Color	0.003Lux (F1.6, AGC ON)	0.003Lux (F1.6, AGC ON)	0.003Lux (F1.6, AGC ON)
	B/W	0 Lux with IR	0 Lux with IR	0 Lux with IR
Lens		2.8mm to 12mm	2.8mm to 12mm	2.8mm to 12mm
Horizontal field of view	16: 9	98.26° to 31.35°	107.4° to 29.2°	102.79° to 30.86°
Adjusting Angle	Pan	0° to 360°	0° to 355	3° to 360°
	Tilt	0° to 90°	0° to 80°	0° to 70°
Optical Zoom		–	–	–
Digital Zoom		–	–	–
Built-in IR LED		Yes (30 m)	Yes (40 m)	Yes (40 m)
Image Stabilizer		–	–	–
Corridor Mode		–	Support 9:16 Corridor Mode	Support 9:16 Corridor Mode
VMD (Video Motion Detection)		Yes	Yes	Yes
Analytics		Intrusion, Human Body Detection, Motion Detection, Tampering Alarm, Audio Detection	Smart Intrusion Prevention: Cross Line, Intrusion, Enter Area, Leave Area Detection Basic Detection: Motion Detection, Tampering Alarm, Audio Detection	Cross Line, Intrusion (Based On Human Body Detection), Motion Detection, Tampering Alarm, Audio Detection
Max. Connection		–	–	–
Audio	In (Line) / Out	No/No	Yes(3.5mm)/Yes	No/No
	In (Built-in MIC)	Yes	Yes	Yes
	Codec	G.711	G.711	G.711
SD memory Card	Slot	Micro SD, up to 256GB	Micro SD, up to 256GB	Micro SD, up to 256GB
External I/O		No	Yes (1in / 1out)	No
Monitor Out		No	No	No
Vandal Resistant		–	IK10	IK10
Water and Dust Resistance		IP67	IP67	IP67
Temperature		-40°F to 140°F	-22°F to 140°F	-22°F to 140°F
Power Source		DC12V±25%, PoE 802.3af Power consumption: Max 8.16W	DC12V±25%, PoE 802.3af Power consumption: Max 9W	DC12V±25%, PoE 802.3af Power consumption: Max 7.5W
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 M-SERIES CAMERAS

MODEL#	M-200-P		M-49-V	M-89-F-L
TYPE	**PTZ**		**BULLET**	**BULLET**
Resolution	2MP		4MP	8MP (4k)
Environmental Type	Indoor I Outdoor		Indoor I Outdoor	Indoor I Outdoor
Sensor	1/2.8" CMOS		1/3" progressive Scan CMOS	1/2.7" progressive Scan CMOS
Video Codec	H.265/H.264		H.265/H.264	H.265/H.264
Max. Resolution	1920 x 1080		2688 x 1520	3840 x 2160
Max. FPS @ Max. Resolution	H.265 / H.264 / JPEG	60fps @ (1920 x 1080)	30fps @ (2688 x 1520)	20fps @ 3840 x 2160
True WDR	True WDR @ 120dB		True WDR @ 120dB	True WDR @ 120dB
Day/Night ICR / IR	Yes (ICR)		Yes	Yes
ABF (Auto Back Focus) / Auto Focus	Auto Focus		Auto Focus	Fixed
Min. Illumination	Color	0.001Lux (F1.5, AGC ON)	0.003Lux (F1.6, AGC ON)	0.01Lux (F2.0, AGC ON)
	B/W	0 Lux with IR	0 Lux with IR	0 Lux with IR
Lens	4.5mm to 148.5mm		2.8mm to 12mm	f= 4.0 mm, F2.0
Horizontal field of view	16: 9	56.2° to 2.6°	102.79° to 30.86°	86.5 deg.
Adjusting Angle	Pan	360° Endless	0° to 360°	0° to 360°
	Tilt	-15 to +90 deg. Auto flip	0° to 90°	0° to 90°
Optical Zoom	33X		-	–
Digital Zoom	16X		-	–
Built-in IR LED	Yes (150m)		Yes (50 m)	Yes (30 m)
Image Stabilizer	-		-	–
Corridor Mode	-		Support 9:16 Corridor Mode	Support 9:16 Corridor Mode
VMD (Video Motion Detection)	Yes		Yes	Yes
Analytics	Smart Intrusion Prevention: Cross Line, Intrusion, Enter Area, Leave Area Detection, Face Capture, Basic Detection: Motion Detection, Tampering Alarm, Audio Detection		Cross Line, Intrusion(Based On Human Body Detection), Motion Detection, Tampering Alarm, Audio Detection	Smart Intrusion Prevention: Cross Line, Intrusion, Enter Area, Leave Area Detection, Basic Detection: Motion Detection, Tampering Alarm, Audio Detection
Max. Connection	-		-	–
Audio	In (Line) / Out	Yes/Yes	No/No	No/No
	In (Built-in MIC)	No	Yes	Yes
	Codec	G.711U/G.711A	G.711	G.711
SD memory Card	Slot	Micro SD, up to 256GB	Micro SD, up to 256GB	Micro SD, up to 256GB
External I/O	Yes(2in / 1out)		No	No
Monitor Out	1 BNC		No	No
Vandal Resistant	-		-	-
Water and Dust Resistance	IP66		IP67	IP67
Temperature	-40°F to 149°F		-22°F to 140°F	-22°F to 140°F
Power Source	AC 24V±25%, DC 24V±25%, PoE (PSE Required) Power consumption: Max 48W		DC12V±25%, PoE 802.3af Power consumption: Max 8.5W	DC12V±25%, PoE 802.3af Power consumption: Max 10.5W
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
B-SERIES
CAMERAS

MODEL#		B-57-V-2	B-200-PTZ	B-5360	B-58-V
TYPE		**DOME**	**PTZ**	**360 DOME CAMERAS**	**BULLET CAMERAS**
Resolution		5MP	2MP	5MP	5MP
Environmental Type		Indoor	Outdoor	Indoor	Outdoor	Indoor	Outdoor	Indoor / Outdoor
Sensor		1/2.8CMOS	1/2.8 CMOS	1/3.2 CMOS	1/2.8 CMOS
Video Codec		H.265 / H.264/ MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.265 / H.264 / MJPEG
Max. Resolution		2616 x 1964	1920 x 1080	2592 x 1944	2560 x 1920
Max. FPS @ Max. Resolution	H.265 / H.264 / JPEG	30 fps at (2560 x 1920)	60fps @ 60Hz (1920 x 1080)	15fps @ 60Hz (2592 x 1944)	30fps (2560 x 1920)
True WDR		True WDR @ 125 dB	True WDR @145dB	Digital WDR	Extreme WDR (125 dB)
Day/Night ICR / IR		Yes (IR)	No	–	Yes (IR)
ABF (Auto Back Focus) / Auto Focus		Auto Focus	Auto Focus	–	Auto Focus
Min. Illumination	Color	0.2Lx @ F1.4	0.1 Lx @ F 1.6	0.1 Lx @ F 2.0	0.2 lux
	B/W	0.02 Lx with IR	0.5 Lx @ F1.6	0.1 Lx @ F 2.0	0.02 lux
Lens		f= 2.7 to 13.5 mm	f= 4.7- 94mm@ F1.6-3.5	f=1.185 mm, F2.0	2.7–13.5mm
Horizontal field of view	16: 9	96.8° to 30.7°	62 to 2.8 deg.	189.7 deg. or 360 deg.	96.8°
Adjusting Angle	Pan	±135deg	0 to -360 deg	–	–
	Tilt	0 to -90 deg	-22 to -200 deg	–	–
Optical Zoom		5 X	20 X	–	5x
Digital Zoom		16X	16X	10X	4x
Built-in IR LED		Yes (30m)	No	–	Yes (30 m)
Image Stabilizer		Yes (Digital)	–	–	Yes
Corridor Mode		–	–	–	–
VMD (Video Motion Detection)		Yes	Yes	Yes	Yes
Analytics		Tamper Detection	Face Detection,Tampering, Shock Detection, PTZ Auto Tracking, Line Crossing, Enter Area, Missing Object, Unattended, Object, Loitering	–	–
Max. Connection		–	–	–	–
Audio	In (Line) / Out	Yes / Yes	Yes / Yes (3.5mm)	Yes / Yes (3.5 mm)	Mic–in, Line–in, Line–out
	In (Built-in MIC)	No	No	–	–
	Codec	G.711	G.711	G.711	G.711
SD memory Card	Slot	Yes (MicroSD) (128GB)	Micro SDHC, Micro SDXC (128GB Max)	Yes (SDXC)	MicroSDHC, MicroSDXC memory card slot (card not included)
External I/O		Yes (1in / 1out)	Yes (1in / 1out)	–	1/1
Monitor Out		–	–	–	No
Vandal Resistant		IK10	IK09	IK10	IK10
Water and Dust Resistance		IP66	IP67	IP68, NEMA 4, EN50155	IP66
Temperature		-40°F to 122°F	-61.6°F – 140 °F / (-40°F ~ 140°F with High PoE)"	-4°F to 122°F	–22°F to 122°F
Power Source		12 V DC / PoE 802.3af	PoE: 29.4W,68W AC PoE, AC: 68W,	PoE	12 VDC / PoE (802.3af)
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, 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. VI software dewarp 360, 2x 180	–

ADVIDIA M-SERIES ACCESSORIES

M-44-V-T M-46-V

JUNCTION BOX	M-JB-T			
WALL	M-WM-T			
POLE	M-WM-T	+	M-PM	
PENDANT	M-JB-T	+	M-Pendant	

M-45-FW M-46-FW & M-46-F

JUNCTION BOX	M-JB-MINI			
WALL	M-WM-JB-MINI			
POLE	M-WM-JB-MINI	+	M-PM	
PENDANT	M-JB-MINI	+	M-Pendant	

M-49-V M-89-F-L

JUNCTION BOX	M-JB-MINI-B			
POLE	M-JB-MINI-B	+	M-PM-B	

M-87-V

JUNCTION BOX	M-JB			
WALL	M-WM-JB			
CEILING	M-FM			
POLE	M-WM-JB	+	M-PM	
PENDANT	M-JB	+	M-Pendant	

M-200-P

WALL	M-PTZ-WM + M-PTZ-JB			
	M-Parapet			
POLE	M-PTZ-WM + M-PTZ-JB + M-PTZ-PM			
CORNER	M-PTZ-WM + M-PTZ-JB + M-PTZ-CNR			
PENDANT	M-CM + M-PTZ Pendant-EX-L OR M-PTZ Pendant-EX-S			
	M-CM OR M-PTZ Pendant			

ADVIDIA B-SERIES ACCESSORIES

B-57-V-2

WALL	B-0321-WM
PENDANT	B-0113-PDT
DOUBLE GANG ELECTRICAL BOX	B-0813-GBA

B-58-V

POLE	B-0517-PM
JUNCTION BOX	B-0706-JB

B-200-PTZ

WALL	B-31-GN		
CORNER	B-31-GN	B-31-CMB	
POLE	B-31-GN	B-31-PM	

B-5360

WALL	B-MD-WM		
ELECTRICAL BOX	B-MD-GB		
PENDANT	B-MD-ST	B-MD-MK	

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