

Panasonic



Surveillance Solutions

Company Overview

Panasonic Holdings Corporation is a worldwide leader in the development of diverse electronics technologies and solutions for customers in the consumer electronics, housing, automotive, and B2B businesses.

Panasonic Group is comprised of 8 companies, from Appliances, to Industrial Solutions and Housing Solutions Company. Each company has its distinct R&D, production, and sales functions that satisfy specific consumer needs worldwide.



Panasonic, a global leader in electronics and technology, is renowned for its commitment to innovation, quality, and customer satisfaction.

Panasonic, a pioneer in the CCTV industry, introduced its first lineup of CCTV systems in the early 1950s, marking the beginning of a rich legacy in surveillance technology. With over 70 years of experience, Panasonic has continually evolved to meet diverse market demands and needs. Building on its extensive expertise, the company has recently expanded its offerings with a new lineup dedicated to residential projects. This new collection includes 8 network-based cameras and 2 network-based recorders, complemented by a dedicated mobile application. This application enables users to easily monitor live streams or recorded videos from their mobile phones, ensuring convenience and enhanced security for residential settings.

Users are guaranteed peace of mind and enhanced security with our advanced camera systems, which are designed with cutting-edge technology. These cameras incorporate state-of-the-art video surveillance features that ensure comprehensive monitoring and protection. Equipped with sophisticated analytics, our systems offer seamless integration and efficient operation, providing a robust solution for safeguarding your property. Whether for residential or commercial use, our cameras deliver reliable performance and high-quality footage, enhancing your overall security measures.

Panasonic's Security lineup is designed to provide superior image quality, reliability, and advanced features, ensuring optimal performance in diverse applications.

Panasonic offers a range of cameras and network video recorders to meet various customer application needs, providing high security and ensuring safety in homes, shops, and offices. The cameras are equipped with advanced intelligence features that enable detection of scenarios such as line crossings and abandoned or missing objects. Users also have the flexibility to define their own Regions of Interest (ROI) through software configuration. The cameras

automatically activate appropriate actions upon motion detection, enhancing user security and peace of mind.

The camera offerings are complemented by Network Video Recorders (NVRs) supporting 8 to 32 channels of IP cameras with PoE inputs. These NVRs are designed to meet diverse security requirements, leveraging advanced system-on-chip (SoC) technology for high-definition recording on each channel, including data recording capabilities.

Furthermore, a mobile application allows users to access connected cameras via the NVR from their

mobile phones. The app supports both iOS and Android platforms

The lineup is designed to fit customer security needs using the experience and expertise of Panasonic engineers who follow the highest quality standards that exceed the international standards.

The cameras and Network Video Recorders adhere to the highest safety and sustainability standards established by the IEC, ensuring compliance with country regulations and supported by comprehensive test reports.

Our History and Management Philosophy

Panasonic Holdings Corporation's Basic Management Objective, formulated in 1929 by the company's founder, embodies our mission and devotion to the progress of society and the wellbeing of the people worldwide through our business activities.

Our Brand Promise

Panasonic will continue to embrace new opportunities to do what we have done for over a century – to enrich people's lives at home and at work and move society forward.

Panasonic GREEN IMPACT

The Panasonic Group aims to achieve both a better life and a sustainable global environment, by creating impacts from actions that reduce our own CO2 emissions, contribute to avoiding CO2 emissions of society, and realize a circular economy.

Network Cameras

Panasonic Network Cameras offers cutting-edge security and surveillance technology tailored to meet the needs of various environments, from small businesses to large-scale enterprises.



Smart Analytics

PM-EB2NLFR-W

2MP Fixed Bullet Network Camera

- 1/3" CMOS
- 3.6mm Fixed Focal Lens
- 10~20m IR night view distance; 10~20m white light view distance
- H.265+/H.265/H.264+/H.264 coding
- 3D DNR, WDR, HLC, BLC and ROI coding



Advanced Analytics

PM-VB5ULFR-W

5MP Fixed Bullet Network Camera

- 1/2.5" CMOS with 120dB WDR
- 3.6mm Fixed Focal Lens
- 30~50m IR night view distance
- H.265+/H.265/H.264+/H.264/MJPEG coding
- 3D DNR, true WDR, HLC, BLC, Defog, Smart IR and ROI coding



Smart Analytics

PM-ED2NLFR-W

2MP Fixed Dome Network Camera

- 1/3" CMOS
- 2.8mm Fixed Focal Lens
- 10~20m IR night view distance; 10~20m white light view distance
- H.265+/H.265/H.264+/H.264 coding
- 3D DNR, WDR, HLC, BLC and ROI coding



Advanced Analytics

PM-VD5ULFR-W

5MP Fixed Dome Network Camera

- 1/2.5" CMOS with 120dB WDR
- 2.8mm Fixed Focal Lens
- 20~30m IR night view distance
- H.265+/H.265/H.264+/H.264/MJPEG coding
- 3D DNR, true WDR, HLC, BLC, Defog, Smart IR and ROI coding



Advanced Analytics

PM-VB2ULVR-W

2MP Varifocal Bullet Network Camera

- 1/2.8" CMOS with 120dB WDR
- 2.8-12 mm Varifocal Lens
- 30~50m IR night view distance
- H.265+/H.265/H.264+/H.264/MJPEG coding
- 3D DNR, WDR, HLC, BLC, smart IR and ROI coding



Advanced Analytics

PM-VB5ULVR-W

5MP Varifocal Bullet Network Camera

- 1/2.5" CMOS with 120dB WDR
- 2.8-12 mm Varifocal Lens
- 30~50m IR night view distance
- H.265+/H.265/H.264+/H.264/MJPEG coding
- 3D DNR, true WDR, HLC, BLC, Defog, Smart IR and ROI coding



Advanced Analytics

PM-VD2ULFR-W

2MP Fixed Dome Outdoor Network Camera

- 1/2.8" CMOS with 120dB WDR
- 2.8mm Fixed Focal Lens
- 20~30m IR night view distance
- H.265+/H.265/H.264+/H.264/MJPEG coding
- 3D DNR, WDR, HLC, BLC, smart IR and ROI coding.



Advanced Analytics

PM-VP4ULVR-W

4MP PTZ Network Camera

- 1/2.7" progressive scan CMOS, BSI, NIR+
- 25x optical zoom; 4.8-120mm lens with accurate and fast focusing
- Up to 160m IR night view distance
- Smart H.265+/H.265/H.264+/H.264
- WDR, 3D DNR



Video Recorders

Panasonic Video Recorders are designed to deliver superior recording performance, making them the perfect choice for professionals.



PM-EN8CH

8CH Network Video Recorder, 8PoE ports

- 8CH simultaneous playback
- 1080p output, true high resolution display
- H.265S/H.265+/H.265/H.264 coding with 1- SATA HDD slot supporting up to 10 TB
- Support 8CH 6MP/5MP/4MP/3MP 1080P/960P/720P/D1/CIF IP input
- Remote monitoring though mobile application (iOS and Android)



PM-VN32CH

32CH Network Video Recorder, 16PoE ports

- 16CH simultaneous playback with face detection and comparison
- 4K output, true high resolution display
- H.265S/H.265+/H.265/H.264 coding with 4-SATA HDD slots supporting up to 40 TB
- Support 32CH 12MP/9MP/8MP/6MP/5MP/4MP/3MP 1080P/960P/720P/960H/D1/CIF IP input
- Remote monitoring though mobile application (iOS and Android)

Applications

The cameras are offered in various series, catering to the mass market and suitable for all verticals, meeting diverse user requirements.

Apartment Complexes

Common areas such as hallways, lobbies, parking lots, and elevators can be monitored to enhance the security of residents.

Offices

Monitor entrances, exits, and internal areas to protect assets and maintain a secure environment for employees.

Transportation Hubs

Monitor activity in airports, train stations, bus terminals, and subways to ensure the safety of passengers and staff.

Factories and Warehouses

Monitor production lines, storage areas, and perimeters to protect against theft, ensure safety protocols.

Construction Projects

Monitor progress, ensure compliance with safety regulations, and protect against theft and vandalism.

Home Security

Monitor entrances, driveways, and perimeters to deter burglars and ensure the safety of residents.

Hospitals and Clinics

Monitor patient areas, entrances, emergency rooms, and critical zones to ensure the safety and security of patients and staff.

Schools and Universities

Monitor entrances, hallways, classrooms, and campus grounds to enhance the safety of students, staff, and visitors.

Shops and Malls

Prevent theft, monitor customer activity, and ensure the safety of employees and shoppers.

Streets and Parks

Enhance public safety, deter criminal activity, and assist law enforcement in monitoring large areas.

Public Buildings

Monitor entrances, lobbies, and sensitive areas to protect against unauthorized access and enhance overall security.

Banks

Monitor ATMs, teller areas, entrances, and lobbies to deter robberies and ensure the safety of customers and staff.

Hotels and Resorts

Monitor common areas, entrances, and critical zones to ensure the safety and security of guests and staff.

Sports Venues and Concert Halls

Monitor crowd activity, ensure public safety, and manage large events effectively.

Parking Lots and Garages

Monitor vehicle activity, deter theft, and ensure the safety of users.



Product Image				
Model Name	PM-EB2NLFWR-W	PM-ED2NLFWR-W	PM-VB2ULVR-W	PM-VD2ULFR-W
Resolution	2MP (1920 × 1080)	2MP (1920 × 1080)	2MP (1920 x 1080)	2MP (1920 × 1080)
Image Sensor	1/3” CMOS	1/3” CMOS	1/2.8” CMOS	1/2.8” CMOS
WDR	Digital WDR	Digital WDR	120 dB	120 dB
Signal to Noise Ratio	≥50dB	≥50dB	≥50dB	≥50dB
Low Light Performance	0.0462 lux @F2.2, AGC ON; 0 lux (Illumination on)	0.0462 lux @F2.2, AGC ON; 0 lux (Illumination on)	0.005 lux @F1.6, AGC ON; 0 lux with IR	0.005lux @F1.6, AGC ON; 0 lux with IR
Frame Rate	25fps /30fps	25fps /30fps	25fps /30fps	25fps /30fps
Compression Technology	Main stream: H.265+ / H.265 / H.264 + / H.264 Sub stream: H.265+ / H.265 / H.264 + / H.264	Main stream: H.265+ / H.265 / H.264 + / H.264 Sub stream: H.265+ / H.265 / H.264 + / H.264	Main stream: H.265+ /H.265/H.264+ / H.264 Sub/Third stream: H.265+ / H.265/H.264+ /H.264 / MJPEG	Main stream: H.265+ /H.265/H.264+ / H.264 Sub/Third stream: H.265+ / H.265/H.264+ /H.264 / MJPEG
Number of Streams	2	2	3	3
Lens Type	Fixed	Fixed	Varifocal Motorized	Fixed
Focal Length	3.6mm@F2.2	2.8mm@F2.2	2.8-12mm@F1.4	2.8mm@F1.6
IR Distance	20m	20m	30~50m	20~30m
Day/Night Functionality	ICR	ICR	ICR	ICR
Image Enhancement	BLC, HLC	BLC, HLC	BLC, HLC	BLC, HLC
Network Connectivity	RJ45	RJ45	RJ45	RJ45
Power Supply	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE
Environmental Considerations (storage conditions)	IP67, - 20 °C 60 °C	IP67, - 20 °C 60 °C	IP67, - 30 °C 65 °C	IP67, - 30 °C 65 °C
Video Analytics	Intelligent video motion detection	Intelligent video motion detection	Advance video motion detection	Advance video motion detection
Onboard Audio	1CH built-in MIC	1CH built-in MIC	1CH audio input; 1CH built-in MIC	1CH audio input; 1CH built-in MIC
ONVIF	Yes	Yes	Yes	Yes
Pan-Tilt-Zoom (PTZ)	No	No	No	No

The following standards are met in our products: EMC: CE/EN 55032:2015+A11:2020 EN 55035:2017+A11:2020, Safety: IEC 62368-1:2020+A11:2020 & RoHS: 2011/65/EU for the cameras. EMC: CE/EN 55032:2015+A11:2020, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, EN 55035:2017+A11:2020 , Safety: IEC 62368-1:2020+A11:2020 , RoHS:2011/65/EU for the recorders.

Product Image				
Model Name	PM-VB5ULFR-W	PM-VD5ULFR-W	PM-VB5ULVR-W	PM-VP4ULVR-W
Resolution	5MP (2880 × 1624)	5MP (2880 × 1624)	5MP (2880 × 1624)	4MP (2560 × 1440)
Image Sensor	1/2.5” CMOS	1/2.5” CMOS	1/2.5” CMOS	1/2.7” progressive scan CMOS, BSI, NIR+
WDR	120 dB	120 dB	120 dB	>100 dB
Signal to Noise Ratio	≥50dB	≥50dB	≥50dB	≥52dB
Low Light Performance	0.005 lux@F1.6,AGC ON; 0 lux with IR	0.005 lux@F1.6,AGC ON; 0 lux with IR	0.005 lux@F1.6,AGC ON; 0 lux with IR	Color 0.01Lux @ (F1.65 AGC ON) B/W 0.002Lux @ (F1.65 AGC ON);0Lux with IR
Frame Rate	25fps /30fps	25fps /30fps	25fps /30fps	25fps /30fps
Compression Technology	Main stream: H.265+ /H.265/H.264+ / H.264 Sub/Third stream: H.265+ / H.265/H.264+ /H.264 / MJPEG	Main stream: H.265+ /H.265/H.264+ / H.264 Sub/Third stream: H.265+ / H.265/H.264+ /H.264 / MJPEG	Main stream: H.265+ /H.265/H.264+ / H.264 Sub/Third stream: H.265+ / H.265/H.264+ /H.264 / MJPEG	Main stream: H.265+ /H.265/H.264+ / H.264 Sub/Third stream: H.265+ / H.265/H.264+ /H.264 / MJPEG
Number of Streams	3	3	3	3
Lens Type	Fixed	Fixed	Varifocal Motorized	Motorized PTZ
Focal Length	3.6 mm@F1.6	2.8mm@F1.6	2.8~12mm@F1.6	f=4.8-120mm lens,25x optical zoom
IR Distance	30~50m	20~30m	30~50m	160m
Day/Night Functionality	ICR	ICR	ICR	AUTO/MANUAL
Image Enhancement	BLC, HLC	BLC, HLC	BLC, HLC	BLC, HLC
Network Connectivity	RJ45	RJ45	RJ45	RJ45
Power Supply	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V±25%,3000mA, PoE+ (802.3.at), max 23W include IR ON+PTZ working
Environmental Considerations (storage conditions)	IP67, - 30 °C 65 °C	IP67, - 30 °C 65 °C	IP67, - 30 °C 65 °C	IP67, - 40 °C 70 °C
Video Analytics	Advance video motion detection	Advance video motion detection	Advance video motion detection	Advance video motion detection
Onboard Audio	1CH audio input; 1CH audio output; 1 CH built-in MIC	1CH audio input; 1CH audio output; 1 CH built-in MIC	1CH audio input; 1CH audio output; 1 CH built-in MIC	1 audio input(MIC in); 1 audio output, line level, impedance,600Ω
ONVIF	Yes	Yes	Yes	Yes
Pan-Tilt-Zoom (PTZ)	No	No	No	YES,360°endless, speed:from 0.1~200°/s; Preset speed: 240°/s, 360 preset,

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Product Image	 	
Model	PM-EN8CH	PM-VN32CH
Video Resolution	6MP/5MP/4MP/3MP 1080P/960P/720P/D1/CIF	12MP/9MP/8MP/6MP/5MP/4MP/3MP 1080P/960P/720P/960H/D1/CIF
OS	Embedded Linux	Embedded Linux
Channel Capacity	8CH IPC input	32CH IPC input
Storage Capacity	HDD interface - SATA3.0 × 1, max 10T	HDD interface: SATA × 4, max 10T for each HDD
Compression Technology	H.265S / H.265+ /H.265 /H.264	H.265S / H.265+ /H.265 /H.264
Bitrate and Frame Rate	6MP or Lower: 30fps/25fps (NTSC/PAL)	12MP: 20fps 9MP or Lower: 30fps/25fps (NTSC/PAL)
Multi-screen Display	Main output: 1/4/6/8/9 No (HDMI supports the audio output)	Main output: 1/4/6/8/9/13/16/25/32/36 (live view) AUX output: 1/4/6/8/9 (live view) Max. 32+9CH local live view
Video Output	HDMI × 1 : 1920×1080 / 1280×1024/ 1024×768 VGA: 1920×1080 / 1280×1024/ 1024×768 HDMI and VGA output the same video source	HDMI1 : 3840×2160/1920×1080 / 1280×1024 / 1024×768 HDMI2 : 1920×1080 / 1280×1024 / 1024×768 VGA ×1 : 1920×1080 / 1280×1024 / 1024×768 VGA and HDMI1 output the same video source
Simultaneous Playback	Max 8CH	Max 16CH
Throughput	64/64 Mbps (incoming/outgoing)	320Mbps/256Mbps (incoming/outgoing)
Network Connectivity	RJ 45 100Mbps × 1	RJ 45 1000 Mbps × 2
PoE Support	8no's (IEEE802.3AF)	16no's (IEEE802.3AF)
Easy Configuration	YES	YES
Management software	YES, free	YES, free
Mobile Access	iOS, Andriod	iOS, Andriod
Motion Detection	YES	YES
Video Analytics:	YES	YES
Live Viewing	1CH 6MP/4CH 1080P	1CH 12MP/4CH 1080P
Search and Playback	Time slice / time / event / tag /smart search	Time slice / time / event / tag /smart search

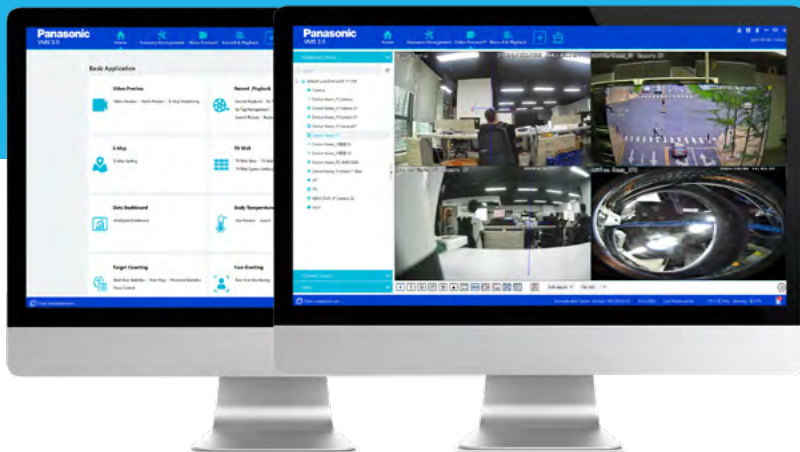
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Accessories

The accessories are offered in various series, designed to meet user requirements across a wide range of applications.

Product Image								
Models	PM-EB2NLF-R-W	PM-ED2NLF-R-W	PM-VB2ULVR-W	PM-VD2ULFR-W	PM-VB5ULFR-W	PM-VD5ULFR-W	PM-VB5ULVR-W	PM-VP4ULVR-W
PM-YH0101B-W Junction box aluminium, base part								
PM-YH0103-W Junction box aluminium, standard part								
PM-YH0104-W Junction box aluminium, small								
PM-YH0301-W Junction box aluminium, cable gland								
PM-YZJ0203-W Wall mount bracket, Dome camera								
PM-YZJ0311-W Wall mount with Junction box, PTZ								
PM-YZJ0312-W Pole mount with Junction box, PTZ								
PM-YZJ0313-W Corner mount with Junction box, PTZ								
PM-YZJ0406-W Wall mount bracket, outdoor dome camera								
PM-YZJ0501-W Pole mount adapter								
PM-YZJ0601-W Corner mount adapter								
PM-YZJ701A-W Embedded Ceiling bracket, Dome Camera								
PM-YZJ701E-W Embedded Ceiling bracket, PTZ Camera								
PM-YZJ0807-W Ceiling mount bracket, PTZ Camera								
PM-YZJ0808-W Wall mount bracket, PTZ Camera								
PM-YZJ0810-W Ceiling mount bracket, Dome Camera								

Panasonic VMS Lite



Recommended Configuration:

- Hardware: CPU: i5-7400@3.00GHz, 16GB RAM, NVIDIA GTX1060 6GB
- System: Windows 10/11 64-bit

Panasonic VMS Lite is a newly introduced security management platform, providing seamless integration with Panasonic products. It boosts robust video surveillance capabilities, including real-time preview, record storage, playback, downloading, alarm linkage, TV wall decoding, and keyboard control.

Its compact, versatile, and adaptable design makes it ideal for small-scale projects and suitable for video surveillance in various sectors such as education, transportation hubs, chain stores, building and banks.

Key Features:

Device Access: Supports Panasonic, ONVIF, RTSP; device addition via IP, serial, or auto-search.

Resource Management: Centralized management for NVRs and cameras.

Device Configuration: User management, time settings, multi-device configuration, intelligent analytics, and video settings.

Live View: Multiple display modes, dual-monitor display, instant playback, and hardware decoding.

Two-way Talk & PTZ Control: Remote audio streaming and PTZ remote control.

User Management: Supports MAC binding, user permissions, and group management.

Decoding on TV Wall: Supports various screen modes and alarm-triggered decoding.

Alarm & Playback: Multiple alarm types, simultaneous playback of up to 16 cameras with backup support.

Specifications:

Capability of Management

Max. Number of Channel Access	256CH
Max. Number of Device Access	64 DVRs/NVRs or 64 IPCs
Max. Number of Decoding Output	32
Max. Channel Number of Simultaneous Preview	256
Max. Channel Number of Simultaneous Playback	16
Max. Number of Views	Up to 64 view plans can be created
Max. number of users	64 users (1 online user supported)

This platform provides an efficient and scalable solution for video surveillance needs, with easy setup and powerful management features.

Panasonic®

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