Panasonic

WV-ASR500 Series

i-PRO SmartHD

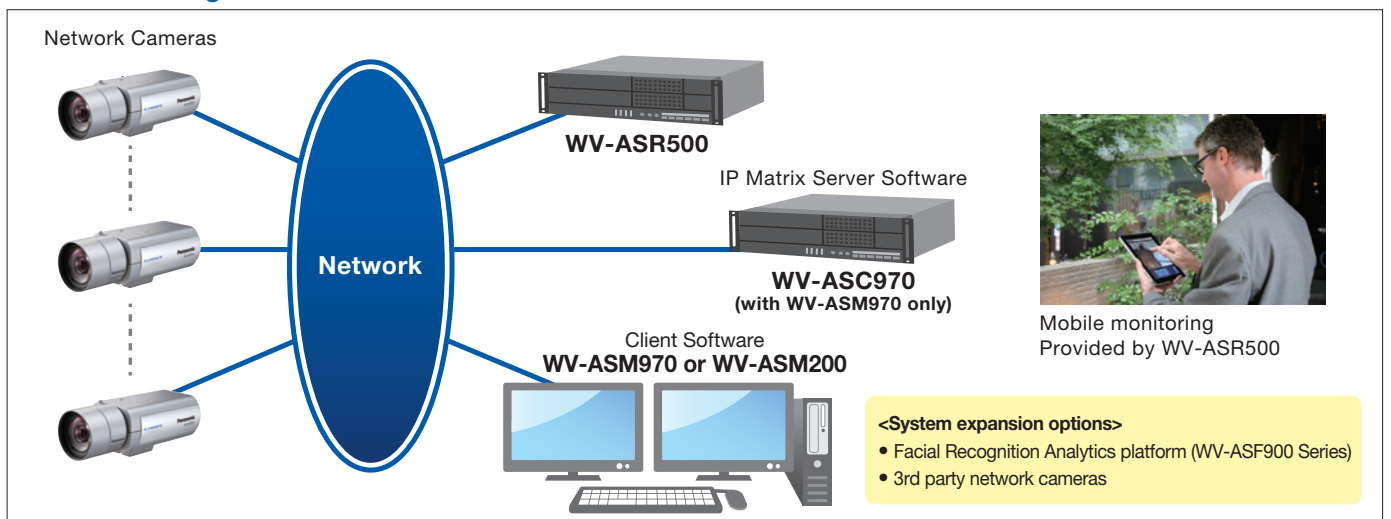H.264 / MPEG-4 / JPEG

FULL HD — Full High Definition 1080

Open platform and high performance Server based recording and video management platform

Key Features

- Open platform, Panasonic's and over 70 other venders network cameras support.
- Up to 128 network cameras can be connected and recorded.
- Up to 16 clients can monitor image and control WV-ASR500 simultaneously. (Depends on system structure, environment.)
- Various Recording Modes : Schedule, Event (Pre/Post)
- Graphical Timeline Search function (with WV-ASC970 System)
- H.264, MPEG-4 and JPEG multi format
- Mobile monitoring applications for smartphone (iOS, Android)
- Cooperative with the Face Matching System (with WV-ASC970 System or WV-ASM200)
- Supports archiving function to realize long-term recording

Advanced configuration

Network Cameras

Network

WV-ASR500

IP Matrix Server Software
WV-ASC970
(with WV-ASM970 only)

Client Software
WV-ASM970 or WV-ASM200

Mobile monitoring
Provided by WV-ASR500

<System expansion options>
- Facial Recognition Analytics platform (WV-ASF900 Series)
- 3rd party network cameras

Specifications

ASR500

Supported Cameras	Compatible vendor	Over 70 Vendors , Onvif compliant models
	Supported Image Format	H.264, MPEG-4, M-JPEG
	Supported Image Resolution	Up to 1920×1080, 2048×1536
	Supported Audio Format	N/A
	Maximum Number of Cameras	MAX. 128
Recording	Recording Mode	Schedule including Event (Pre/Post)
	Pre-Event Recording	Up to 120 seconds
	Scheduled Recording Mode	Motion / Free run / Alarm
	Frame Rate/Camera	Up to 30ips (Depending on the Camera)
Browser GUI		N/A

Alarm / Event	Alarm Source	VMD, Event Linking
	Event Mode	Off/On
	Alarm Action	Record Video, Output trigger, Pan/tilt/zoom preset, e-mail notification, Auto export
	Alarm Control	N/A
	Event log	N/A
Network	Network Interface	100Base-TX/1000Base-T (RJ-45)
	E-mail	Upon Alarm
External Interface	Serial Connections	System integration
Other Functions	Remote Monitoring	Mobile application
HDD	RAID Configuration	RAID-5
Server OS		Microsoft® Windows® Server 2012 Standard

WV-ASM200 for WV-ASR500 Series / WV-ASC970/WV-ASM970 for WV-ASR500 Series

		WV-ASM200 for WV-ASR500 Series	WV-ASC970/WV-ASM970 for WV-ASR500 Series	
GUI Function	Camera Control	Pan/Tilt, Zoom, Preset position call and program (up to 256), wheel zoom	Pan/Tilt, Zoom, Preset position call (up to 256), wheel zoom	
	Recorder Control	PLAY, Rev PLAY, Pause, Stop, FF (up to ×16), REW (up to ×16), Next image, Prev image, SKIP, Prev SKIP, Smooth playback	REC, PLAY, Rev PLAY, Pause, Stop, FF (up to ×16), REW (up to ×16), Next image, Prev image, Smooth playback, Goto Last, Goto Date	
	Event Search	Search criteria : Time date, Event type (Schedule, VMD, Event Linking)	Search criteria : Time date, Event type (Schedule, VMD, Event Linking)	
	Multiscreen Mode	Spot / Quad (A-D) / 9 split / 16 split	Spot / Quad (A-D) / 7 split / 9 split /10 split / 13 split / 16 split	
	Sequence Display	10 programs, 64 steps/pattern, Spot / Quad / 9 split / 16 split Dwell time : 3s / 5s / 10s / 15s / 20s / 25s / 30s / 35s / 40s / 45s / 50s / 55s / 1min	Tour Sequence: 128 programs, 64 steps Group Preset: 128 programs, 64 views / Group Sequence: 128 programs, 64 steps	
	Display Performance	30 ips x 16 screens at MPEG-4 2 Mbps[*1] , 30 ips x 16 screens at H.264 1.5 Mbps with VGA[*1]	30 ips x 16 screens at MPEG-4 2 Mbps[*1] , 30 ips x 16 screens at H.264 1.5 Mbps with VGA[*1]	
	Multi-Monitor	Up to 3 monitors (Operation / Live / Map), Up to 20 cameras can be displayed (Operation-4, Live-16)	2 Monitors (Operation/Monitor)	
	Camera Group Display	Up to 400 groups with 16 alphanumeric titles	N/A	
	Number of Maps	Up to 100 maps (JPEG or Bit map), Link: 128 cameras and 20 maps / map	Up to 100 maps (JPEG or Bitmap), Link: 64 cameras/map	
	Image Download	Recorded images of up to 64 cameras can be downloaded. Manual download only. File format is AVI.	Recorded images of up to 64 cameras can be downloaded. Manual download only. File format is AVI.	
	Clock Display	On the GUI. Time: 12H/24H, Date: 5 formats (When the image comes from the recorder)	On the GUI. Time: 12H/24H, Date: 5 formats	
	Alarm Source	Motion event linking	Communication error, Capacity Warn,Motion, Event Linking	
	Alarm Display Mode	Video switching	Sequence, Hold	
	Alarm Control	Reset, Auto reset (OFF / 10s / 20s / 30s / 1min / 5min)	Reset, All reset, Arm, Disarm, Ack, Auto ack	
	Alarm Action	Up to 16 alarm images can be displayed on the live monitor. Corresponding camera icon on the map lights up. Alarm message on the GUI and buzzer.	Camera spot, Tour sequence, Group sequence, Playback	
	Max. Number of Alarm	1,000	2,048	
	Digital Zoom	—	N/A	
	Text Attachment	—	N/A	
	System Log	Operation (100,000), System (1,000), Network error (1,000), Rec order error (1,000), Alarm (30,000)	Operation, Alarm, Switching	
	Recorder Log Download	—	N/A	
	User Management	Registration: Up to 32 users + Administrator, ID: 4-14 digit, PW: 4-8 digit, User level: 5 levels (Programmable), PW time limit: OFF / 31 / 92 / 184 / 366 days, Auto login: ON / OFF	Registration: Up to 512 users, ID: 5 digit, Password: 5 digit, User level: customize	
	Simultaneous Login Users	—	Up to 64 (depends on network conditions)	
	Partitioning	—	Operator - Controller, Controller - Monitor, Controller - Camera, Camera - Monitor	
	Security Method	User authentication (ID and Password)	User authentication, Controller authentication (MAC address)	
	System Setup	Setup page in English, French, Italian, Spanish, German, Russian, Chinese, Japanese	Setup page in English, Chinese	
	GUI Language	English, French, Italian, Spanish, German, Russian, Chinese, Japanese	English, Chinese	
Server Requirement	Supported OS	—	<WV-ASC970> Red Hat Enterprise Linux 5 server (x86) (English), Red Hat Enterprise Linux 6 server (x86) (English)	<WV-ASM970>
	Required PC	—	<WV-ASC970> CPU: Intel® Xeon® Processor 5140 (2.33 GHz) or faster, RAM: 2 GB or more, Network: 2x 100/Gigabit or more, HDD: 80 GB or more free drive space, CD-ROM, Port: 1x RS-232C	<WV-ASM970> —
General	Supported OS	Microsoft® Windows Vista® Business SP2 32bit/64bit, Microsoft® Windows® 7 Professional SP1 32bit/64bit, Microsoft® Windows® 8 Professional 32bit/64bit Microsoft® Windows® 8.1 Professional 32bit/64bit The language of the OS must be same as selected GUI language.	<WV-ASC970> —	<WV-ASM970> Microsoft® Windows® 8 Professional SP1 (32-bit) (English and Chinese Version) Microsoft® Windows® 8 Professional SP1 (64-bit)[*2] (English and Chinese Version) Microsoft® Windows® 7 Professional SP1 (32-bit) (English and Chinese Version) Microsoft® Windows® 7 Professional SP1 (64-bit)[*2] (English and Chinese Version) Microsoft® Windows Vista® Business SP2 (32-bit) (English and Chinese Version) Microsoft® Windows Vista® Business SP2 (64-bit) (English and Chinese Version)
	Required PC	CPU: Intel® Core™ i5-2400, 2500 Intel® Corev i7-860 or faster When adding the license for WV-ASE202 and displaying images on a 65-screen: Intel® Core™ i7-2600 RAM: 3 GB or more When using more than one live window: 4GB VRAM: 512MB or more (256 MB min.), Microsoft DirectX 9.0c or later Web browser: Windows Internet Explore 7.0 or later (depends on connected device)	<WV-ASC970> —	<WV-ASM970> CPU: Intel® Core™ 2 Duo 2.66 GHz or faster / Intel® Core™ 2 Quad Q9650 or faster / Intel® Core™ i7-920 or faster, Memory: 2 GB or more / 3 GB or more (When operating H.264 images), VRAM: 128 MB or more, compatible with DirectX 9.0c

*1 In case with Microsoft® Windows® 7 Professional (OS) and Intel® Core™ i7-920 (CPU)   *2 Operation in WOW64 (32-bit mode)

Products Lineup

WV-ASRA501	Additional Channel License
WV-ASRM501	Yearly Update