# Panasonic

**Server based recording and video management platform**

# WV-ASR500 Series



*i-PRO SmartHD*

H.264 MPEG-4 JPEG
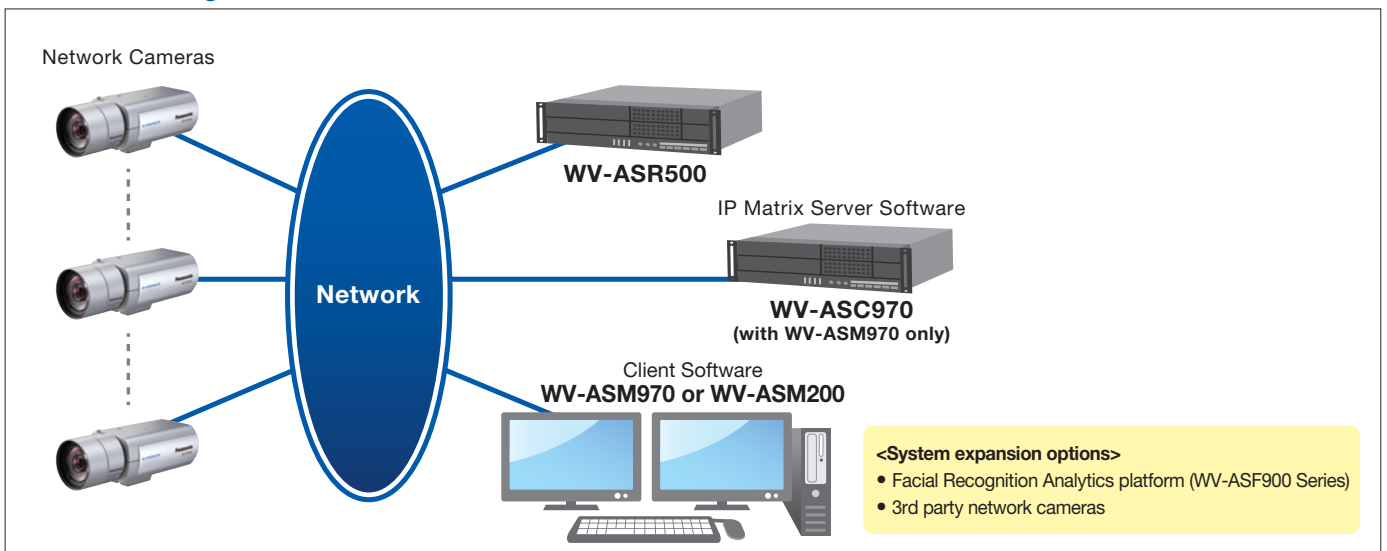
FULL HD Full High Definition 1080

## 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
- 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**

**<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 (RJ45) |
| | E-mail | Upon Alarm |
| **External Interface** | Serial Connections | System integration |
| **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<br>Dwell time : 3s / 5s / 10s / 15s / 20s / 25s / 30s / 35s / 40s / 45s / 50s / 55s / 1min | Tour Sequence: 128 programs, 64 steps<br>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),<br>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><br>Red Hat Enterprise Linux 5 server (x86) (English),<br>Red Hat Enterprise Linux 6 server (x86) (English) | <WV-ASM970><br>— |
| | Required PC | — | <WV-ASC970><br>CPU: Intel® Xeon® Processor 5140 (2.33 GHz) or faster,<br>RAM: 2 GB or more, Network: 2x 100/Gigabit or more,<br>HDD: 80 GB or more free drive space, CD-ROM, Port: 1x RS-232C | <WV-ASM970><br>— |
| **General** | Supported OS | Microsoft® Windows Vista® Business SP2 32bit/64bit,<br>Microsoft® Windows® 7  Professional SP1 32bit/64bit,<br>Microsoft® Windows® 8  Professional 32bit/64bit<br>Microsoft® Windows® 8.1 Professional 32bit/64bit<br>The language of the OS must be same as selected GUI language. | <WV-ASC970><br>— | <WV-ASM970><br>Microsoft® Windows® 8 Professional SP1 (32-bit) (English and Chinese Version)<br>Microsoft® Windows® 8 Professional SP1 (64-bit)[*2] (English and Chinese Version)<br>Microsoft® Windows® 7 Professional SP1 (32-bit) (English and Chinese Version)<br>Microsoft® Windows® 7 Professional SP1 (64-bit)[*2] (English and Chinese Version)<br>Microsoft® Windows Vista® Business SP2 (32-bit) (English and Chinese Version)<br>Microsoft® Windows Vista® Business SP2 (64-bit) (English and Chinese Version) |
| | Required PC | CPU: Intel® Core™ i5-2400, 2500<br>Intel® Corev i7-860 or faster<br>When adding the license for WV-ASE202 and displaying images on a 65-screen: Intel® Core™ i7-2600<br>RAM: 3 GB or more<br>When using more than one live window: 4GB<br>VRAM: 512MB or more (256 MB min.), Microsoft DirectX 9.0c or later<br>Web browser: Windows Internet Explore 7.0 or later<br>(depends on connected device) | <WV-ASC970><br>— | <WV-ASM970><br>CPU: Intel® Core™ 2 Duo 2.66 GHz or faster / Intel® Core™ 2 Quad Q9650 or faster / Intel® Core™ i7-920 or faster,<br>Memory: 2 GB or more / 3 GB or more (When operating H.264 images),<br>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 |

DISTRIBUTED BY:

# Panasonic