# High Performance Management Server for Panasonic Recorders, Encoder/Decoders & i-Pro Network Cameras

## Specification (software Ver.18)

### Key Features (server)

- Flexible system design: Analog, IP, and Hybrid analog/IP
- Up to 64 recorders, 1,024 monitors, and 2,048 cameras (in case with encoder) can be registered.
- Displays live images by selecting the camera number
- Controls camera and camera preset and Group Preset
- Displays live Tour Sequence images on a multi-screen segment display
- Displays live Group Sequence images on several multi-screen segment displays
- Controls the camera and monitor by users' preset priority
- ON/OFF mode of the OSD on the selected monitor is possible.
- Sequence control : Tour Sequence (128 programs, 64 steps), Group Preset (128 programs, 64 views), Group Sequence (128 programs, 64 steps)
- Panasonic camera control: Pan/Tilt, Zoom, Focus, Brightness, Preset position call and program (up to 256), Auto mode (SEQ, SORT, AUTO PAN, PATROL), AUX 1 ~ 2
- Flexible monitor control suitable for wall mounted monitors
- Up to 512 users can be registered.
- Up to 64 users can login to server simultaneously.
- Panasonic Alarm control by recorder, camera, encoder
- Up to 2,048 alarms and up to 1,024 event schedules can be handled.
- User management: User authentication, AD, LDAP support
- Camera/Sequence/Monitor selection, Camera control and Recorder control can be made with the optional system controller WV-CU950.
- Individual alarm reset and all alarm reset is possible with the system controller WV-CU950 and client software.
- Simultaneous multi-site operation of up to 64 satellite system
- Redundant function by switching the operation to the other WV-SRV970RU server in case of system failure
- Recorder FailOver function (up to 64 reserved recorders WJ-NX400 or WJ-ND400 can be registered)
- ADAM6050 I/O support
- Easy setup by PSSCT software

### Key Features (client application)

- Multi-Monitor option enables simultaneous use of Operation screen and Monitor screen (1 / 2 / 3 / 4 / 5 / 6 / 7 / 9 / 10 / 13 / 16 split) on a dedicated monitor. Support corridor view. Support 100 maps.
- Up to 30 fps/camera can be displayed in 16-split screen in H.264 1.5 Mbps mode with VGA (depending on the camera, camera setup and PC performance).
- The tool customized to the other language is separately offered.
- Privacy zones can be set on Monitor Screen.(Except PTZ camera)
- Handle the DVR as a small switch node.
- Image resolution dynamically changes depending on the screen mode: VGA for Quad screen, QVGA for 16-split screen, enabling optimum network usage (depending on the camera mode).
- Easy search and playback with timeline function
- Simultaneous playback on 16-split screen display
- When an alarm occurs, the monitor changes into the map automatically showing where the alarm happened.
- Up to 64 camera icons can be freely positioned on a map with alarm status indicated by the colour of the icons.
- Convert file format from n3r (proprietary format) to MP4

- 16:9 Full HD monitor support.
- Displays live images from 3rd party Onvif cameras through WJ-NX400, WJ-ND400, WJ-NV200, WJ-NV300.
- 1-screen/4-screen PTZ compensation function (hereinafter compensation function) from the fish-eye images of the Panasonic Fisheye network cameras (WV-SF438 / WV-SF448 / WV-SW458 / WV-SFN480, WV-SFV481).

## Extension Software (optional)

### Key Features: WV-ASE901*

- Monitor the status of Fire Alarm System.
- Manually reset or acknowledge fire alarms and faults of Fire Alarm System.
- Search history of fire alarm, faults and interlocking of Fire Alarm System.

### Key Features: WV-ASE902

- To display the operation window and 4 live windows simultaneously
- Up to 4 live monitor to display up to 64 cameras per one client
- Multi monitor function up to 5** PC monitors

### Key Features: WV-ASE231

- Extension Software for Facial Recognition Analytics Platform (WV-ASF900) • Face Matching / Face Search / People counting results display on WV-ASM970 screen • i-VMD (Intelligent Video Motion Detection) tracking path display on WV-ASM970 screen

### Key Features: WV-ASE903

- Extension Software for visibility enhancement incorporates three technologies that come to improve surveillance in poor light, extreme weather and low-illumination environments.
- Spatial Tonal Correction (Tonal Correction)
- Snowfall and Rainfall Noise Reduction (Snowfall and Rainfall NR)
- Multi-frame Synthesis Noise Reduction (Multi-frame NR)

### Key Features: WV-ASE905

- Cropping function for displaying 4K cameras on FHD monitor
- VideoWall control from operation window
- To display the operation window and 4 live windows simultaneously
- Up to 4 live monitor to display up to 64 cameras per one client
- Multi monitor function up to 5** PC monitors

## Accessories

### WV-CU950

Ethernet System Controller with 3D-Joystick & Jog/Shuttle

\* WV-ASE901 is only sold in certain areas. Please contact the sales company for details.
\*\* Requires 2 GPU

## Specification (hardware)

| | |
|---|---|
| Form factor | 1U rack |
| Processor | Intel Xeon 4C processor E3-1220v5 80W 3.0 GHz, 2133 MHz memory speed, 8 MB L3 cache |
| Chipset | Intel C236 |
| RAM | 1 x 4 GB DDR4 |
| HDD | 1TB 7.2K 6Gbps NL SATA 3.5in HS |
| Optical drive bays | Multiburner |
| Network interfaces | 2 x Gigabit Ethernet 1000BASE-T RJ-45 ports with the onboard Intel® I210-AT controller |
| I/O expansion slots | Up to two slots, depending on the riser cards installed. The slots are specified:<br>• Slot 1: PCIe 3.0 x16 (x8-wired);<br>• Slot 2: M.2 NGFF connector |
| Ports | Two USB 2.0 ports on the rear. Four USB 3.0 ports (2 front, 2 rear), one DB-15 video port, one DB-9 serial port |
| Power supply | Two redundant hot-swap 400 W AC power supplies (80 PLUS certification) |
| Video | ASPEED AST2400 BMC. Maximum resolution is 1600x1200 at 75 Hz with 16 M colors |
| Operating system | RedHat Enterprise Linux 7 server (64bit) |
| Air temperature | Server on: 10 °C - 35 °C; altitude: 0 - 914 m. |
| Electrical | 200 - 240 (nominal) V AC; 50 Hz or 60 Hz; 3.0 A |
| Dimensions | Height: 43 mm (1.7 in.), width: 437 mm (17.2 in.), depth: 503 mm (19.8 in.) |
| Weight | Approx: 9 kg |

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http://security.panasonic.ru