WV-NS202A

SDIII PTZ Network Camera
with Simple D/N feature

ENHANCED FEATURES FROM WV-NS202

- Simple Day/Night Feature
- Drug & Zoom Feature
- Scheduling Feature
- SD Backup Image Playback/Download
- Alarm Log Feature
- 256 Step Pan/Tilt Command Support
Key Features (1/3)

**Outstanding Picture Quality**

- **Super Dynamic III**
- **Minimum illumination** of 0.7 lux
- **22x optical** and 10x digital zoom
- **Progressive output** w/ motion adaptive interlace/progressive conversion
Key Features (2/3)

- High Reliability for Professional Use
  - High reliability of PTZ mechanism
  - High speed P/T control (Pan/Tilt: 300/100 deg/sec)
  - High-precision preset control w/ 64 preset positions
  - VMD: each preset positions (x4) + All area
  - Privacy zone masking up to 8 masks
  - Preset sequence, auto panning feature
  - Auto tracking function
  - 360deg Map Shot / Preset Map Shot

Please see and use it today!!
Key Features (3/3)

Powerful Network Feature

- MJPEG and MPEG-4 dual streaming
- Maximum 30fps@VGA (JPEG/MPEG-4)
- SD memory backup feature by network trouble, alarm and manual
- 16 Multi screen + 4 x Quad
- 2-Way Audio (walkie-talkie type)
  Microphone Input & Audio Out (Line)
## Data Streaming

<table>
<thead>
<tr>
<th>No</th>
<th>MPEG-4</th>
<th>ips</th>
<th>JPEG</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>-</td>
<td>30 ips</td>
<td>0 ips</td>
</tr>
<tr>
<td>2</td>
<td>-</td>
<td>0 ips</td>
<td>30 ips</td>
</tr>
<tr>
<td>3</td>
<td>-</td>
<td>15 ips</td>
<td>15 ips</td>
</tr>
<tr>
<td>4</td>
<td>30 ips</td>
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<td>0 ips</td>
</tr>
<tr>
<td>5</td>
<td>15 ips</td>
<td>5 ips</td>
<td>10 ips</td>
</tr>
<tr>
<td>6</td>
<td>-</td>
<td>30 ips</td>
<td>0 ips</td>
</tr>
<tr>
<td>7</td>
<td>-</td>
<td>15 ips</td>
<td>5 ips</td>
</tr>
</tbody>
</table>

- **MPEG-4 VGA** (640x480):
  - JPEG VGA : 30 ips
  - MPEG-4 VGA : 30 ips in total
  - MPEG-4 VGA : 15 ips in total
  - MPEG-4 VGA : 5 ips, QVGA : 10 ips
- **MPEG-4 QVGA** (320x240):
  - JPEG QVGA : 30 ips
  - MPEG-4 QVGA : 15 ips
  - MPEG-4 QVGA : 30 ips
  - JPEG QVGA : 15 ips
- **JPEG VGA** (640x480):
  - JPEG VGA : 30 ips
  - JPEG VGA : 5 ips, QVGA : 10 ips
## Data Size Estimation

<table>
<thead>
<tr>
<th>Mode</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>JPEG</td>
<td>128</td>
<td>96</td>
<td>80</td>
<td>64</td>
<td>56</td>
<td>48</td>
<td>40</td>
<td>32</td>
<td>28</td>
<td>24</td>
</tr>
<tr>
<td>VGA</td>
<td>44</td>
<td>40</td>
<td>36</td>
<td>32</td>
<td>28</td>
<td>24</td>
<td>20</td>
<td>16</td>
<td>14</td>
<td>12</td>
</tr>
</tbody>
</table>

Modes include Super fine, fine, Normal, Low.
Key Features

- **Easy Installation and Setup**
  - **PoE**: Power Over Ethernet (IEEE802.3af)
  - Auto IP setup feature w/ WJ-ND200
  - Automatic download of ActiveX plug-in from camera
  - **One touch** fitting mechanism
  - **Double face concept** and various **dome housings**

- **Naked Type (Monitoring)**
  - Desktop Ceiling
  - **TilT Angle**: -30deg
  - Small, light, low cost

- **Dome Type (Security)**
  - Ceiling Flash Wall Outdoor
  - **Dome shape**: (No directivity)
    - *Blind Area at horizontal (Same as CS854)*
  - Dust proof with optional dome kit
  - Outdoor dome will be 3rd party product
● SD memory back up by HTTP connection error

JPEG PULL

Auto Recover

※Only “Not overwrite mode”

● SD Memory back up by FTP connection error

FTP

※Only “Not overwrite mode”
SD memory recording by alarm

- VMD
- Terminal input
- Command alarm
- Alarm notification (HTTP)

※ Only “Over write mode”
※ Only POST recording (Not PRE recording)

SD memory recording by standalone

※ Selectable “Over write mode” / “Not over write mode”
**Spec-in Points**

**STEP 1**: Demo, Demo, Demo!! Show the actual picture.

**STEP 2**: Try to spec-in the following specification as much as you can.

<table>
<thead>
<tr>
<th>Strong Spec</th>
<th>Spec-in point</th>
<th>Competition</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 PoE (IEEE802.3af)</td>
<td>* Very few vendors have PoE type PTZ cameras</td>
<td>AXIS 212 Digital PTZ</td>
</tr>
</tbody>
</table>
| 2 x160 Dynamic range | * SDIII is Panasonic patent technology.  
* Competitor has similar technology but performance is not as good and their technology is only for analog. | JVC VN-C655U ExDR (400x) |
| 3 JPEG, MPEG4 and Analog | * JPEG, MPEG4 and Analog **simultaneous**  
* Up to **30fps@VGA** if selecting single stream. | AXIS 214 JPEG and MPEG4 simultaneous. No analog output. |
| 4 SD card back up | * Panasonic unique technology.  
* If customer doesn’t need high frame rate and long recording length, then SD can be used as a recorder. | IKBW21 Recording trigger is only by ftp error. |
| 5 64 preset position | * Most competing cameras have 20 or less | JVC VN-C655U 100 preset position |
| 6 Progressive scan | * One of the biggest factors for outstanding picture quality.  
* SONY RZ50N uses progressive scan method but it’s much more expensive than NS202 | SNC-RZ50N |
| 7 22 x optical zoom | * Key issue is the resolution of the zoom in picture. Some vendors have higher optical zoom but resolution is not as good. | SNC-RZ50N 26x optical zoom  
JVC VN-C655U 25 x optical zoom |
Simple Day/Night Feature

Specifications of Simple D/N
• B/W switch (Auto) : Around Min. illumination@30IRE when setting gain HIGH
• Sensitivity up ratio : Approx. 4dB up
• Switch threshold time : Approx. 5 sec (fixed)
Simple Day/Night Feature

- Outdoor Image

Color Picture  B/W Picture
Drag & Zoom Feature

Zoom reset button
Scheduling Feature

- Alarm input
- VMD
- Image display
- Auto-tracking
- Position refresh

Up to 5 schedules can be set.
SD Backup Image Playback/Download
Inner Dome Cover

- WV-Q153 (Optional Accessory)

Reduce light reflection when installing with outdoor housing