

## Document History

| FW version           | Date       | Change List  |
|----------------------|------------|--|
| <b>V1.0</b>          | 2012/1/23  | Initial  |
| <b>V1.1</b>          | 2013/7/11  | <ol style="list-style-type: none"> <li>1. New HDD compatible</li> <li>2. Touch panel support</li> <li>3. Compatible with Windows 8 (32/64 bit) and IE 10 (32 bit)</li> </ol>   |
| <b>V1.1.2</b>        | 2013/9/6   | <ol style="list-style-type: none"> <li>1. Add supported joystick functions</li> <li>2. Add reminders on compatible monitor</li> <li>3. Mark NS-8060 compatible HDD</li> </ol>  |
| <b>V1.2</b>          | 2013/10/23 | <ol style="list-style-type: none"> <li>1. Remove AXUS from DAS supporting list due to its possibly unqualified performance</li> <li>2. Mark NS-8060 compatible HDD (updated)</li> </ol>  |
| <b>V2.0</b>          | 2014/03/03 | <ol style="list-style-type: none"> <li>1. Add HDD compatible list for NS-8065(RAID).</li> <li>2. Compatible with Mac Safari and Windows Chrome</li> </ol>  |
| <b>V2.0.1</b>        | 2014/07/03 | <ol style="list-style-type: none"> <li>1. Add WD Purple series HDD compatible list</li> </ol>  |
| <b>V2.0.1</b>        | 2014/09/04 | <ol style="list-style-type: none"> <li>1. Add limitation on web browser support</li> </ol>   |
| <b>V2.1</b>          | 2014/09/25 | <ol style="list-style-type: none"> <li>1. Add IE11 support</li> </ol>  |
| <b>V2.1</b>          | 2014/11/11 | <ol style="list-style-type: none"> <li>1. Add Seagate 6TB Enterprise HDD support</li> </ol>  |
| <b>V2.1</b>          | 2014/11/14 | <ol style="list-style-type: none"> <li>1. Add Seagate SV35 + SRS series support</li> <li>2. Add ezNUUO browser support</li> </ol>  |
| <b>V2.1.5</b>        | 2015/02/05 | <ol style="list-style-type: none"> <li>1. Support new joysticks</li> </ol>   |
| <b>V2.2.2</b>        | 2015/05/05 | <ol style="list-style-type: none"> <li>1. Add Seagate Surveillance 4TB (HDD is CV13)support</li> </ol>   |
| <b>V2.2.3</b>        | 2015/06/10 | <ol style="list-style-type: none"> <li>1. Add Seagate Surveillance support</li> </ol>  |
| <b>V2.2.4</b>        | 2015/10/12 | <ol style="list-style-type: none"> <li>1. Add WD Surveillance 6TB and Toshiba Enterprise 4TB support</li> <li>2. Add NS-8065 Surveillance support list</li> </ol>  |
| <b>V2.2.5</b>        | 2015/11/04 | <ol style="list-style-type: none"> <li>1. Remote Client</li> </ol>   |
| <b>V3.0.0</b>        | 2016/03/01 | <ol style="list-style-type: none"> <li>1. New client pack 6.1.705.5</li> </ol>   |
| <b>V3.0.0 Hotfix</b> | 2016/05/05 | <ol style="list-style-type: none"> <li>1. Fix critical Bug</li> </ol>  |
| <b>V3.1.0</b>        | 2016/10/03 | <ol style="list-style-type: none"> <li>1. Seagate rebranding update for Surveillance and SkyHawk</li> <li>2. Mark NP-8160 compatible HDD (new nvr product)</li> </ol>  |
| <b>V3.2.0</b>        | 2016/12/15 | <ol style="list-style-type: none"> <li>1. NP-8160 support 4K2K local display</li> </ol>  |
| <b>V3.3.0</b>        | 2017/02/18 | <ol style="list-style-type: none"> <li>1. Support USB joystick on local display</li> </ol>   |
| <b>V3.5.0</b>        | 2017/08/25 | <ol style="list-style-type: none"> <li>1. Update Remote Client to 6.1.705.15</li> <li>2. Add Seagate: ST8000VX022 &amp; ST10000VX0004 for NP-8160</li> </ol>   |
| <b>V3.7.0.11</b>     | 2018/04/13 | <ol style="list-style-type: none"> <li>1. Update Remote Client to 6.1.705.18</li> </ol>  |
| <b>V3.8.0</b>        | 2018/09/07 | <ol style="list-style-type: none"> <li>1. Add Axis T8311 notice</li> <li>2. Remove Chrome web browser support</li> <li>3. Add Seagate: ST6000VX001</li> <li>4. Add TOSHIBA 10TB : MD06ACA10TV</li> <li>5. Add WD Purple Series 8TB : WD81PURZ</li> <li>6. Add WD Gold Series 8TB : WD8003FRYZ</li> </ol>                                   |
| <b>V3.11.0</b>       | 2020/03/23 | <ol style="list-style-type: none"> <li>1. Add Seagate: <ul style="list-style-type: none"> <li>• ST10000VE004</li> <li>• ST8000VX004</li> <li>• ST10000VE004</li> <li>• ST14000VX008</li> </ul> </li> <li>2. Add WD Purple Series: <ul style="list-style-type: none"> <li>• WD101PURZ</li> </ul> </li> <li>3. Add NP-2160 model.</li> </ol> |

## 1. Hard Drives

Classify the compatible HDD into three types, enterprise, video surveillance and desktop. We recommend user to choose enterprise-level HDD and video surveillance-level HDD, which are with better command timeout control and reliability.

For the following conditions, we only suggest using enterprise-level HDD:

1. When the number of HDD is more than, or equal to, 5 HDDs.
2. When the NVR is installed on rack.

Green series hard drives should never be used with NUUO recorders to avoid data lost due to long wake up time from a sleeping drive.

### [3.5-inch Hard Drives]

#### Enterprise

| Vendor         | Family                                   | Model           | Capacity | Interface  | FW   | Tested Model       |         |                   |         |         |
|----------------|--|-----------------|----------|------------|------|--------------------|---------|-------------------|---------|---------|
|                |  |                 |          |            |      | NS-1040<br>NS-1080 | NS-8060 | NS-8065<br>(RAID) | NP-8160 | NP-2160 |
| <b>HITACHI</b> | Ultrastar<br>A7K2000                     | HUA722010CLA330 | 1TB      | SATA 3Gb/s | JP40 | V                  |         |                   |         |         |
| <b>SEAGATE</b> | Constellation<br>ES.3/<br>Enterprise 3.5 | ST6000NM0024    | 6TB      | SATA 6Gb/s | SN02 | V                  | V       |                   |         |         |
|                |  | ST4000NM0033    | 4TB      | SATA 6Gb/s | 0001 | V                  |         |                   |         |         |
|                |  | ST3000NM0033    | 3TB      | SATA 6Gb/s | 0001 | V                  |         |                   |         |         |
|                |  | ST31000524NS    | 1TB      | SATA 3Gb/s | SN12 | V                  |         |                   |         |         |
|                | Constellation<br>CS/ Terascale           | ST2000NC000     | 2TB      | SATA 6Gb/s | CE02 | V                  | V       | V                 |         |         |
|                |  | ST4000NC000     | 4TB      | SATA 6Gb/s | CE02 | V                  | V       | V                 |         |         |
| <b>WD</b>      | WD RE4                                   | WD2003FYYS      | 2TB      | SATA 3Gb/s | 01.0 | V                  |         |                   |         |         |
|                |  | WD1003FBYX      | 1TB      | SATA 3Gb/s | 01.0 | V                  | V       |                   |         |         |
|                |  | WD5003ABYX      | 500GB    | SATA 3Gb/s | 01.0 | V                  |         |                   |         |         |
|                | WD RE                                    | WD4000FYYZ      | 4TB      | SATA 6Gb/s | 01.0 | V                  | V       |                   |         |         |
|                |  | WD3000FYYZ      | 3TB      | SATA 6Gb/s | 01.0 | V                  | V       |                   |         |         |
|                |  | WD2000FYYZ      | 2TB      | SATA 6Gb/s | 01.0 | V                  | V       |                   |         |         |
| <b>Toshiba</b> | MG03ACAxxx                               | MG03ACA300      | 3TB      | SATA 6Gb/s | FL1A | V                  | V       |                   |         |         |
|                |  | MG03ACA200      | 2TB      | SATA 6Gb/s | FL1A | V                  | V       |                   |         |         |
|                |  | MG03ACA100      | 1TB      | SATA 6Gb/s | FL0A | V                  | V       |                   |         |         |
|                | MC04ACA xxx                              | MC04ACA400E     | 4TB      | SATA 6Gb/s | FP2A | V                  | V       |                   |         |         |

Some listed devices may not be available, please check with your local vendors.

# NVRsolo Series Compatibility List



NUUO version 3.11.0\_release date\_2020.03

## Video Surveillance

| Vendor             | Family             | Model         | Capacity   | Interface  | FW        | Tested Model       |         |         |         |         |
|--------------------|--------------------|---------------|------------|------------|-----------|--------------------|---------|---------|---------|---------|
|                    |                    |               |            |            |           | NS-1040<br>NS-2080 | NS-8060 | NS-8065 | NP-8160 | NP-2160 |
| SEAGATE            | SV35+SRS           | ST3000VX004   | 3TB        | SATA 6Gb/s | CV26      | V                  | V       |         |         |         |
|                    |                    | ST2000VX004   | 2TB        | SATA 6Gb/s | CV26      | V                  | V       |         |         |         |
|                    |                    | ST1000VX002   | 1TB        | SATA 6Gb/s | CV26      | V                  | V       |         |         |         |
|                    | SV35 Series        | ST3000VX000   | 3TB        | SATA 6Gb/s | CV12/CV26 | V                  | V       |         |         |         |
|                    |                    | ST2000VX000   | 2TB        | SATA 6Gb/s | CV12/CV26 | V                  | V       |         |         |         |
|                    |                    | ST2000VX002   | 2TB        | SATA 6Gb/s | CV01      | V                  |         |         |         |         |
|                    |                    | ST1000VX000   | 1TB        | SATA 6Gb/s | CV12/CV26 | V                  | V       |         |         |         |
|                    | Surveillance       | ST6000VX0001  | 6TB        | SATA 6Gb/s | VN02      | V                  | V       | V       | V       |         |
|                    |                    | ST5000VX001   | 5TB        | SATA 6Gb/s | VN02      | V                  | V       |         |         |         |
|                    |                    | ST4000VX000   | 4TB        | SATA 6Gb/s | CV13      | V                  | V       |         | V       |         |
|                    |                    | ST3000VX006   | 3TB        | SATA 6Gb/s | CV11      | V                  | V       |         |         |         |
|                    |                    | ST2000VX003   | 2TB        | SATA 6Gb/s | CV11      | V                  | V       |         |         |         |
|                    |                    | ST1000VX001   | 1TB        | SATA 6Gb/s | CV11      | V                  | V       |         |         |         |
|                    | SkyHawk            | ST14000VX008* | 14TB       | SATA 6Gb/s | AV01      |                    |         |         |         | V       |
|                    |                    | ST10000VX0004 | 10TB       | SATA 6Gb/s | AV01      |                    |         |         | V       |         |
|                    |                    | ST8000VX004*  | 8TB        | SATA 6Gb/s | AV01      |                    |         |         |         | V       |
|                    |                    | ST8000VX022   | 8TB        | SATA 6Gb/s | AV01      |                    |         |         | V       |         |
|                    |                    | ST6000VX001   | 6TB        | SATA 6Gb/s | CV11      | V                  |         |         | V       |         |
|                    |                    | ST4000VX007   | 4TB        | SATA 6Gb/s | CV13      | V                  | V       |         |         |         |
|                    |                    | ST4000VX005*  | 4TB        | SATA 6Gb/s | CV10      |                    |         |         |         | V       |
|                    |                    | ST3000VX010   | 3TB        | SATA 6Gb/s | CV11      | V                  | V       |         |         |         |
|                    |                    | ST2000VX008   | 2TB        | SATA 6Gb/s | CV11      | V                  | V       |         |         |         |
|                    |                    | ST1000VX005   | 1TB        | SATA 6Gb/s | CV11      | V                  | V       |         |         |         |
|                    | SkyHawk AI         | ST10000VE004* | 10TB       | SATA 6Gb/s | EV01      |                    |         |         | V       | V       |
|                    | Surveillance + SRS | ST6000VX011   | 6TB        | SATA 6Gb/s | VN02      | V                  | V       |         |         |         |
|                    |                    | ST5000VX011   | 5TB        | SATA 6Gb/s | VN02      | V                  | V       |         |         |         |
|                    |                    | ST4000VX002   | 4TB        | SATA 6Gb/s | CV13      | V                  | V       |         |         |         |
|                    |                    | ST3000VX005   | 3TB        | SATA 6Gb/s | CV11      | V                  | V       |         |         |         |
|                    |                    | ST2000VX005   | 2TB        | SATA 6Gb/s | CV11      | V                  | V       |         |         |         |
|                    |                    | ST1000VX005   | 1TB        | SATA 6Gb/s | CV11      | V                  | V       |         |         |         |
|                    | Enterprise NAS     | ST6000VN0001  | 6TB        | SATA 6Gb/s | AN02      | V                  | V       |         |         |         |
|                    |                    | ST5000VN0001  | 5TB        | SATA 6Gb/s | AN02      | V                  | V       |         |         |         |
| Enterprise NAS+SRS | ST6000NV011        | 6TB           | SATA 6Gb/s | AN02       | V         | V                  |         |         |         |         |
|                    | ST5000NV011        | 5TB           | SATA 6Gb/s | AN02       | V         | V                  |         |         |         |         |
| WD                 | Purple Series      | WD101PURZ*    | 10TB       | SATA 6Gb/s | 81.H0A80  |                    |         |         |         | V       |
|                    |                    | WD60PURX      | 6TB        | SATA 6Gb/s | 0A80      | V                  | V       | V       | V       |         |
|                    |                    | WD40PURX      | 4TB        | SATA 6Gb/s | 80.0      | V                  | V       |         | V       |         |
|                    |                    | WD30PURX      | 3TB        | SATA 6Gb/s | 80.0      | V                  | V       |         |         |         |
|                    |                    | WD20PURX      | 2TB        | SATA 6Gb/s | 80.0      | V                  | V       |         |         |         |
|                    |                    | WD10PURX      | 1TB        | SATA 6Gb/s | 01.01A01  | V                  | V       |         |         |         |
|                    |                    | WD81PURZ      | 8TB        | SATA 6Gb/s | 80.0      | V                  |         |         |         |         |
|                    | Gold Series        | WD8003FRYZ    | 10TB       | SATA 6Gb/s | 01.0      | V                  |         |         |         |         |
| Toshiba            | MD06ACA-V Series   | MD06ACA10TV   | 10TB       | SATA 6Gb/s | 0603      |                    |         |         | V       |         |

Some listed devices may not be available, please check with your local vendors.

\*Newly tested compatible hard drive models

## Desktop

| Vendor       | Family                 | Model           | Capacity   | Interface  | Firmware | Tested Model       |         |         |         |         |
|--------------|------------------------|-----------------|------------|------------|----------|--------------------|---------|---------|---------|---------|
|              |                        |                 |            |            |          | NS-1040<br>NS-1080 | NS-8060 | NS-8065 | NP-8160 | NP-2160 |
| HITACHI      | Deskstar 7K1000.D      | HDS721010DLE630 | 1TB        | SATA 6Gb/s | 5R0      | V                  | V       |         |         |         |
|              | Deskstar 7K3000        | HDS723030ALA640 | 3TB        | SATA 6Gb/s | MKAO     | V                  |         |         |         |         |
|              |                        | HDS723020BLA642 | 2TB        | SATA 6Gb/s | MN6O     | V                  |         |         |         |         |
|              |                        | HDS723015BLA642 | 1.5TB      | SATA 6Gb/s | MN6O     | V                  |         |         |         |         |
| SEAGATE      | Barracuda 7200.11      | ST31500341AS    | 1.5TB      | SATA 3Gb/s | CC1H     | V                  |         |         |         |         |
|              | Barracuda 7200.12      | ST31000528AS    | 1TB        | SATA 3Gb/s | CC38     | V                  |         |         |         |         |
|              |                        | ST3500413AS     | 500GB      | SATA 3Gb/s | CC35     | V                  |         |         |         |         |
|              | Barracuda 7200.14      | ST3000DM001     | 3TB        | SATA 6Gb/s | CC46     | V                  |         |         |         |         |
|              |                        | ST2000DM001     | 2TB        | SATA 6Gb/s | CC46     | V                  |         |         |         |         |
|              |                        | ST1000DM003     | 1TB        | SATA 6Gb/s |          | V                  |         |         |         |         |
|              | Barracuda LP           | ST31500541AS    | 1.5TB      | SATA 3Gb/s | CC34     | V                  | V       |         |         |         |
|              | Barracuda XT           | ST33000651AS    | 3TB        | SATA 6Gb/s | CC45     | V                  | V       |         |         |         |
| ST32000641AS |                        | 2TB             | SATA 6Gb/s | CC13       | V        |                    |         |         |         |         |
| WD           | WD Caviar Black        | WD2002FAEX      | 2TB        | SATA 6Gb/s | 05.0     | V                  |         |         |         |         |
|              |                        | WD1002FAEX      | 1TB        | SATA 6Gb/s | 05.0     | V                  | V       |         |         |         |
|              | WD Red NAS Hard Drives | WD30EFRX        | 3TB        | SATA 6Gb/s | 80.0     | V                  | V       |         |         |         |
|              |                        | WD20EFRX        | 2TB        | SATA 6Gb/s | 80.0     | V                  |         |         |         |         |
|              |                        | WD10EFRX        | 1TB        | SATA 6Gb/s | 01.0     | V                  |         |         |         |         |

Some listed devices may not be available, please check with your local vendors.

## [2.5-inch Hard Drives] For 1bay device only Enterprise

| Vendor | Family   | Model      | Capacity | Interface  | Firmware |
|--------|----------|------------|----------|------------|----------|
| WD     | WD AV-25 | WD 10JUXT  | 1TB      | SATA 3Gb/s | 01.0     |
|        |          | WD5000LUXT | 500GB    | SATA 3Gb/s | 01.0     |

Some listed devices may not be available, please check with your local vendors.

## 2. Monitor Support

| Output Source | Resolution      |
|---------------|-----------------|
| HDMI<br>VGA   | 1024x768, 60Hz  |
|               | 1280x720, 60Hz  |
|               | 1280x1024, 60Hz |
|               | 1920x1080, 60Hz |
|               | 2560x1440, 60Hz |
|               | 3840x2160, 60Hz |

We improve HDMI compatibility in FW v1.1.2.

- 1) HDMI cable should be HDMI certificated, and its signal transmission quality depends on the diameter of wire (AWG) and the length of cable. If the length of your HDMI/VGA cable is over 1M, add a "repeater" to strengthen the signal.
- 2) When the UI/video image isn't at the correct location, correct it by the "auto adjust" function on the monitor or adjust it manually.
- 3) If encountering display issue, please use remote control to press the "10+" button, release it and press the "." button to switch monitor resolution (switching sequence: auto (default) → 1024x768 → 1280x720 → 1280x1024 → 1920x1080 → 3840x2160(Only NVRsolo Plus support)). If it fails, please check the signal out via PC to make sure monitor is under standard regulations.

## 3. Touch Panel Support

| Vendor    | Model  |
|-----------|--------|
| Acer      | T232HL |
| ViewSonic | TD2220 |

## 4. UPS Support

| Vendor | Model                               |
|--------|-------------------------------------|
| APC    | APC Smart-UPS XL 3000VA (SUA3000XL) |
| APC    | APC Back-UPS ES 500VA (BE500TW)     |

## 5. DAS Support

| Vendor  | Model            | Host Interface | HDD  |
|---------|------------------|----------------|------|
| Promise | SmartStor DS4600 | eSATA          | SATA |

## 6. UPnP Router (auto port-forwarding)

| Vendor | Model   |
|--------|---------|
| D-Link | DIR-300 |

**Note:** This is the model we tested for auto port-forwarding function. Basically, all router possess UPnP function should be compatible.

## 7. Joystick Support

| Vendor   | Model    |
|----------|----------|
| Axis     | T8311    |
| Axis     | 295      |
| Logitech | Attack 3 |

**Note:** NUUO supports all the models of joysticks that are compatible with Windows.

### Supported functions:

| Type                 | Function   |               |        |    |               |    |               |    |        |    |       |   |           |   |              |
|----------------------|--|---------------|--------|----|---------------|----|---------------|----|--------|----|-------|---|-----------|---|--------------|
| View & Camera        | Goto View #<br>Goto Previous Camera<br>Goto Next Camera  |               |        |    |               |    |               |    |        |    |       |   |           |   |              |
| Screen Layout Switch | Switch Screen Layout<br>Toggle Single Camera View<br>Toggle Full Screen  |               |        |    |               |    |               |    |        |    |       |   |           |   |              |
| PTZ Control          | Goto Preset Point #<br>Zoom Out<br>Zoom In<br>Start/Stop Patrol  |               |        |    |               |    |               |    |        |    |       |   |           |   |              |
| * T8311              | <table border="1"> <thead> <tr> <th>Button</th> <th>Action</th> </tr> </thead> <tbody> <tr> <td>J1</td> <td>Goto Preset 1</td> </tr> <tr> <td>J2</td> <td>Goto Preset 2</td> </tr> <tr> <td>J3</td> <td>Layout</td> </tr> <tr> <td>J4</td> <td>Enter</td> </tr> <tr> <td>L</td> <td>Preset Go</td> </tr> <tr> <td>R</td> <td>Physical PTZ</td> </tr> </tbody> </table> | Button        | Action | J1 | Goto Preset 1 | J2 | Goto Preset 2 | J3 | Layout | J4 | Enter | L | Preset Go | R | Physical PTZ |
|                      | Button   | Action        |        |    |               |    |               |    |        |    |       |   |           |   |              |
|                      | J1   | Goto Preset 1 |        |    |               |    |               |    |        |    |       |   |           |   |              |
|                      | J2   | Goto Preset 2 |        |    |               |    |               |    |        |    |       |   |           |   |              |
|                      | J3   | Layout        |        |    |               |    |               |    |        |    |       |   |           |   |              |
|                      | J4   | Enter         |        |    |               |    |               |    |        |    |       |   |           |   |              |
| L                    | Preset Go  |               |        |    |               |    |               |    |        |    |       |   |           |   |              |
| R                    | Physical PTZ   |               |        |    |               |    |               |    |        |    |       |   |           |   |              |

\* There is a default preset which is automatically applied to the six shortcut keys.

## 8. Web Browser

| Web       | Internet Explorer 8 (32 bit)  |                     |                      |                        |                               |                         |
|-----------|-------------------------------|---------------------|----------------------|------------------------|-------------------------------|-------------------------|
| OS        | Windows XP-SP3<br>32 bit      | Windows<br>2003-SP2 | Windows<br>Vista-SP2 | Windows 7 32/64<br>bit | Windows<br>8<br>32/64 bit     | Windows 10<br>32/64 bit |
| PASS/FAIL | PASS                          | X                   | X                    | PASS                   | -                             | -                       |
| Web       | Internet Explorer 9 (32 bit)  |                     |                      |                        |                               |                         |
| OS        | Windows XP-SP3<br>32 bit      | Windows<br>2003-SP2 | Windows<br>Vista-SP2 | Windows 7 32/64<br>bit | Windows 8<br>32/64 bit        | Windows 10<br>32/64 bit |
| PASS/FAIL | -                             | X                   | X                    | PASS                   | -                             | -                       |
| Web       | Internet Explorer 10 (32 bit) |                     |                      |                        |                               |                         |
| OS        | Windows XP-SP3<br>32 bit      | Windows<br>2003-SP2 | Windows<br>Vista-SP2 | Windows 7 32/64<br>bit | Windows<br>8<br>32/64 bit     | Windows 10<br>32/64 bit |
| PASS/FAIL | -                             | -                   | -                    | PASS                   | PASS                          | -                       |
| Web       | Internet Explorer 11          |                     |                      |                        |                               |                         |
| OS        | Windows XP-SP3<br>32 bit      | Windows<br>2003-SP2 | Windows<br>Vista-SP2 | Windows 7 32/64<br>bit | Windows<br>8/8.1<br>32/64 bit | Windows 10<br>32/64 bit |
| PASS/FAIL | -                             | -                   | -                    | PASS                   | PASS                          | Pass                    |
| Web       | Chrome*                       |                     |                      |                        |                               |                         |
| OS        | Windows XP-SP3<br>32 bit      | Windows<br>2003-SP2 | Windows<br>Vista-SP2 | Windows 7<br>64 bit    | Windows<br>8<br>64 bit        | Windows 10<br>64 bit    |
| PASS/FAIL | -                             | -                   | -                    | PASS                   | PASS                          | Pass                    |
| Web       | Safari v6.1*                  |                     |                      |                        |                               |                         |
| OS        | MAC OS X 10.6                 | MAC OS X 10.7       | MAC OS X 10.8        | -                      | -                             | -                       |
| PASS/FAIL | -                             | PASS                | PASS                 | -                      | -                             | -                       |
| Web       | Safari v7.0*                  |                     |                      |                        |                               |                         |
| OS        | MAC OS X 10.6                 | MAC OS X 10.7       | MAC OS X 10.8        | -                      | -                             | -                       |
| PASS/FAIL | -                             | PASS                | PASS                 | -                      | -                             | -                       |

-: not available

X: not compatible

\*Below functions are not supported on Safari or Chrome.

- POS
- Fisheye dewarp

## 9.ezNUUO

ezNUUO is supported on Windows Internet Explorer and Windows Chrome only.

It is not supported on Mac Safari.

## 10.FTP

|           |                          |                     |                      |                        |                        |
|-----------|--------------------------|---------------------|----------------------|------------------------|------------------------|
| OS        | Windows<br>XP-SP3 32 bit | Windows<br>2003-SP2 | Windows<br>Vista-SP2 | Windows 7<br>32/64 bit | Windows 8<br>32/64 bit |
| PASS/FAIL | PASS                     | X                   | X                    | PASS                   | PASS                   |

X: not compatible

## 11. Remote Client

Remote PC System Requirements

| <b>Remote PC Minimum Requirements</b> |  |
|---------------------------------------|--|
| <b>OS Supported</b>                   | Windows XP 32 bit, Windows 7 32/64 bit, Windows 8 32/64 bit, Win10 32/64-bit                 |
| <b>CPU</b>                            | Intel Core 2 Duo, 2.6GHz   |
| <b>RAM</b>                            | 1GB  |
| <b>User Interface</b>                 | HTTP Web browser - Internet Explorer 8, 9, 10,11 (32 bit)<br>NUUO client application program |