

Product Name: <ND8422P>  
Release Version: V2.2.0.102  
Date: 2017/5/22  
Product Type ☐ Camera ☒ NVR ☐ Software

## New Feature:

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| 01. | Support Lafresh POS system   |
| 02. | Support watermark  |
| 03. | Support alarm name/Mail title/Video name/e-mail recipient mane multi-language input from website, display in local and website |
| 04. | Support mouse scroll for PTZ camera physical zoom in/out and fisheye camera dewarp R region digital zoom in/out                |
| 05. | Support ONVIF PTZ camera Pan/tilt/zoom/home/get preset/set preset function   |
| 06. | Support fisheye keep dewarp mode when instant playback and playback in local.  |
| 07. | Support VAST v1.13 can control NVR system DO   |
| 08. | Support VAST v1.13 2 ways audio with camera via NVR.   |

## Changed Feature:

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| 01. | System alarm can enable/disable                                  |
| 02. | VAST client USB joystick can control PTZ camera via NVR          |
| 03. | SMTP authentications refine                                      |
| 04. | User level only can export authorization camera in manual export |

## Bugs Fixed:

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| 01. | Fixed after updating windows, Webclient liveview abnormal issue.               |
| 02. | Fixed FTP open issue.  |
| 03. | Fixed cannot control IZ9361 zoom in/out.                                       |
| 04. | Fixed when webclinet setting dewarp, and local dewarp liveview abnormal issue. |
| 05. | Fixed when network environment is weak and cause DDNS failed issue.            |
| 06. | Fixed when webclient execute restore to default and cannot change time         |
| 07. | Fixed when control PTZ, the toolbar hided issue.                               |
| 08. | Fixed VAST playback in +5:30 timezone , the record data display error issue    |

## Know Issue:

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| 01. | When upgrade firmware then downgrade FW will cause recording data crash intermittently |
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