VIVOTEK
A Delta Group Company

Release Note

Product Name:	< FD9391-EHTV-V2 >
Release Version:	< 1.2501.37.02b >
Date:	< 2026/07/03 >
Product Type	☒ Camera ☐ NVR ☐ Software

New Feature:

- N/A

Changed Feature:

- Upgrade SMART SD and add support for SanDisk Video VD QD131 (SDSDQAS5-256G/512G/1T00/1T50) and Video VD QD111 (SDSDQAS4-032G/064G/128G) MicroSD cards

Bugs Fixed:

- Fixed an issue where the camera's actual time and NVR recording time mismatch.

Relevant module and package information:

- Web API version 0328d_5
- VADP version 1.6.0.1
- Trend Micro pkg version 1.4e.a1.12.0_1.091
- Genetec Protocol version v3.0.3.4
- Onvif version 24.12
- Smart tracking Advanced 7.14.4.5-3g
- Event action through Http/Https 1.4.4

Known Issue:

- N/A

Limitation:

- N/A

Important Notice:

- N/A

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Release Version: <1.2501.37.01g>
Date: <2025/11/25>

New Feature:

- Support for up to 20 camera event
- Enhanced event integration with Genetec through standardized video analytic event
  - Missing detection → object removed
  - Loitering detection → loitering
  - Intrusion detection (true) → object entered
  - Intrusion detection (false) → object exited
  - Unattended object detection → object left
  - Line crossing detection → object crossed line
- Smart SD event integration with Genetec through custom event
  - SD card ejected
  - SD card error
- Administrators can now enable or disable user accounts directly on the camera, improving account-level access control and system security.
- AI based tampering detection
- Realsight: Human-based smart IR in WDR mode

Changed Feature:

- Added support for removing DHCP/Fixed IP settings via configuration file.
- SmartSD will remount as read-only when either SpareBlockRate > 90% or Lifetime > 90% is reached, ensuring data integrity.
- Supports exporting application logs to a centralized syslog server for unified monitoring.
- Server status reports are now encrypted when exported to enhance data security.
- Includes query history in the audit log for improved traceability.
- Limits RTSP and SIP connections when the camera is in factory default mode to enhance security.

Pre-view Feature:

- N/A

Bugs Fixed:

- Fixed an issue where missing newline characters in the certificate would result in an "Invalid public key" status after upload.

- Fixed an issue that motion artifact appears on decoded H.264 RTSP streaming after the camera reboots.
- Fixed the camera's IP address will be set to 0.0.0.0, after adding Genetec.
- Fixed an issue that Smart Motion Detection angle becomes -999 after upgrading firmware.
- Fixed an issue where the camera becomes inaccessible after working with Milestone via ONVIF for an extended period.
- Fixed an issue where the camera could disconnect from the third-party CMS when the CMS simultaneously sent a large number of audio-related requests.

Relevant module and package information:

- Web API version 0328d_5
- VADP version 1.6.0.1
- Trend Micro pkg version 1.4e.a1.12.0_1.091
- Genetec Protocol version v3.0.3.4
- Onvif version 24.12
- Smart tracking Advanced 7.14.4.5-3g
- Event action through Http/Https 1.4.4

Known Issue:

- N/A

Limitation:

- N/A

Important Notice:

- Increased the file upload limit from 256MB to 512MB
  - Please be informed that in firmware versions prior to FW 2403, the maximum upload file size was limited to 256MB. Starting from FW version 2403, this limit has been increased to 512MB.
  - If you need to upload a firmware file or any other file larger than 256MB, please make sure your device is updated to FW 2403 or later before proceeding.

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Release Version: <1.2403.43.01f>
Date: <2025/04/02>
New Feature:

- Support ONVIF Profile M.
- RTSP Encryption over TLS.
- Supported SNMP Traps:
  - Rebooting
  - Booted
  - Alive
  - Audio Detection
  - Shock Detection
  - Tampering Detection
  - Motion Detection
- SNMP MIB Extensions:
  - SD Card Usage:
    - SD Card Mount Status
    - SD Card Total Size
    - SD Card Free Space
    - SD Card Life Expectancy
  - Video Information:
    - Video Resolution
    - Video Codec
  - Health Monitoring:
    - CPU Utilization
    - RAM Usage
    - Configuration Changes (Time of last modification)
    - Recording Status (Indicates whether recording is active)
- Event Actions improvement:
  - Support for HTTP and HTTPS servers
  - GET and POST methods supported
- Transitioned from the legacy Camera web interface to an enhanced version, now supporting H.265 and AAC playback over secure HTTPS connections.
- Extended the Camera Event action to include support for HTTPS connections, in addition to the existing HTTP support.

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Release Note

Changed Feature:

- Default maximum number of groups for media profile
- Increased the file upload limit from 256MB to 512MB.
- Removal of G.726 Support in Camera Web Audio.
- Removal of support for displaying the red box indicating motion detection on the Motion Detection page when using an HTTPS connection.
- Enhanced the viewing window to support streaming capabilities.

Bugs Fixed:

- The certificate won't be handled properly without the line breaks.
- Dynamic Text Overlay does not display special or non-ASCII characters correctly on the OSD.

Relevant module and package information:

- Web API version 0327d
- VADP version 1.6.0.1
- Trend Micro pkg version 1.3g.a1.10.0
- Genetec Protocol version v3.0.2.12
- Deep Learning VCA PKG Version 7.13.7.3
- Onvif version 24.06

Known Issue:

- N/A

Limitation:

- N/A

Important Notice:

- N/A

Release Version: <1.2401.37.01j>
Date: <2024/09/19>
New Feature:

- N/A

Changed Feature:

- N/A

Bugs Fixed:

- Fixed an issue where the sky in an outdoor scene displayed slight continuous flickering.

Relevant module and package information:

- Web API version 0325c
- VADP version 1.5.1.2
- Trend Micro pkg version 1.3e.a1.9.1
- Genetec Protocol version v3.0.2.1
- Deep Learning VCA PKG Version 7.11
- Onvif version 23.12

Known Issue:

- N/A

Limitation:

- N/A

Important Notice:

- N/A

Release Version: <1.2401.37.01h>
Date: <2024/08/19>
New Feature:

- Unified management for encryption certificates enhances security, simplifies operations, and supports setting certificate expiration notification events.

Changed Feature:

- Support RealSight Engine (new web interface only)
  - Object based：Deblur, Smart IR III,WDR
  - Scene based：White Balance, Exposure Control
- Support new stream overlay settings (new web interface only):
  - Image overlay

- Live streaming indicator
- Dynamic text overlay

Bugs Fixed:

- Fixed an issue when the camera sets the codec to H.265, it cannot get any streams from ONVIF clients/devices.
- Fixed the issue that network connection works abnormally after importing configuration file exported from another camera.
- Fixed an issue where the camera would show as disconnected in tour view.
- Fixed an issue where the recorder could not function when using the old interface for recording integration.
- Fixed CVE-2024-6387, An unauthenticated code execution vulnerability in OpenSSH.

Relevant module and package information:

- Web API version 0325c
- VADP version 1.5.1.2
- Trend Micro pkg version 1.3e.a1.9.1
- Genetec Protocol version v3.0.2.1
- Deep Learning VCA PKG Version 7.11
- Onvif version 23.12

Known Issue:

- N/A

Limitation:

- N/A

Important Notice:

- N/A

Release Version: <1.2303.37.01d>
Date: <2023/04/08>
New Feature:

- N/A

Changed Feature:

- Add the ability to disable secondary Http port.
- Support new stream overlay settings:
  - New date/time format
  - New custom text format
  - New font size and color
  - New background color
  - Support transparency
  - Support custom positions
- Support multiple text lines
- Update openssl to version v3.0.
- Support for activating smart tracking once or always tracking for camera link.

Bugs Fixed:

- Unable to move to preset point using ONVIF connection.
- Fixed an issue that after adding the camera to Qognify, it is unable to connect properly using RTSP over HTTP.
- Fixed an issue where, when adding a camera to VAST 2 and enabling seamless recording, after rebooting the camera or upgrading its firmware, VAST 2 might not be able to receive the stream from this camera.
- Fixed an issue where the camera's network would fail and return to normal after unplugging the SD card.
- Fixed an issue where the camera's configuration would become corrupted if the camera's power was shut down during its booting process.
- Fixed the issue where the camera was unable to send the RTSP stream to the QNAP server.
- Fixed an issue that the network QoS settings cannot be saved in the camera web UI.
- Fixed no image after power loss or disconnection from the network if the camera is set to use ONVIF H.264 High profile.

Relevant module and package information:

- Web API version 0324b
- VADP version 1.5.1.2
- Stratocast version 1.3e.a1.6.0
- Trend Micro pkg version 1.3e.a1.9.1
- Genetec Protocol version v3.0.0.4
- Onvif version 23.06

- Deep Learning VCA PKG Version v7.10

Known Issue:
- N/A

Limitation:
- N/A

Important Notice:
- Not support Safe100.net DDNS server.
- Not support express link.

Release Version: <1.2301.37.01e>
Date: <2023/07/27>
New Feature:
- Support for account block to deny consecutive invalid access during a configurable time period on the user account page.
- Support for audit log related to security events on the system page.
- Support for session timeout to protect further access by initiating a session lock after a configurable time period of inactivity on the miscellaneous page.
- Support for configurable password strength.
- Support for display a system use notification message before authentication.
- Support Https certificate CSR and private key upload method. (Web API 0320a).
- Support MPEG-2 AAC-LC audio type. (Web API 0320b)
- Support NTP server redundancy. (Web API 0320a)

Changed Feature:
- Update openssl to version v1.1.1.
- Modify default resolution and framerate list.
  - Stream 1: default 3840*2160 15fps
  - Stream 2: default 1920x1080 30fps
- Upgrade SMART SD and add support for Micron i400 series MicroSD card.
- Support IEEE802.1x with TLS v1.2 and deprecation of TLS v1.0/v1.1.
- Support MPEG-2 AAC-LC with Genetec.
- Removed support Safe100.net DDNS server. (Web API 0320a)

- Removed support express link. (Web API 0320a)

Bugs Fixed:

- Improved compatibility of Aimetis Symphony back-end system.
- Fixed cannot send motion events to Genetec after a period of time.
- Fixed Security Center authorization fails when the network is unstable.
- Fixed devices stopped sending Genetec motion events after an SD card error.
- Fixed after uploading the configuration, the camera angle will be -999.
- Fixed a potential motion area issue when ROI home is set to 0 under ePTZ.
- Fixed the camera randomly disconnecting and showing an abnormal live view when added to VAST2.
- Fixed an issue when editing camera link configuration and clicking test function, it shows fail.

Relevant module and package information:

- Web API version 0322d
- VADP version 1.5.1.2.
- Stratocast version 1.3e.a1.6.0
- Trend Micro pkg version 1.3g.a1.9.1
- Genetec Protocol version v2.2.6.1
- Onvif version 22.06
- Deep learning VCA package v7.7.4.0

Release Version: <1.2201.37.01g>
Date: <2022/12/06>
New Feature:

- First Release.

Changed Feature:

- N/A

Bugs Fixed:

- N/A

Relevant module and package information:

- Web API version 0319a

- VADP version 1.5.1.1
- Trend Micro pkg version 1.3g.a1.9.1
- Deep Learning VCP PKG Version 7.2.3.1.3g
- Stratocast PKG Version 1.3e.a1.6.0
- Genetec Protocol version v2.2.2.2
- Onvif version 21.06