

**3M™ камера със средна скорост**

**Обобщение на промените в документацията**

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1. Въведение

След прегледна ISO9001 документ са открити несъответствия между извършеното и посоченото в документацията за 3M™ камерата със средна скорост. Настоящият документ обобщава промените, извършени на документацията, като основно са променени документите SS001 и SS002. Не всички малки промени са изрично упоменати. По конкретно, промени, касаещи 3М брандирането, конвенциите за наименоване, поправянето на правописни грешки и т.н. като цяло не са изрично упоменати.

1. **Подчертаване с цвят**

Отделни раздели са подчертани в жълто или зелено. Жълтият цвят посочва елементи, върху които трябва да се обърне внимание. Зеленият цвят посочва нова (или подобрена) функционалност.

Идеята на използването на цветове е само като лек намек. Читателите могат да направят собствена оценка.

1. Промени в SS001
2. **Цялостни промени**

Брандиране на 3М, включително промяна на адреса.

Изтриване на целия раздел Spike+. Камерата Spike+ не успя да получи типово одобрение Home Office Type Approval и никъде по света не се продава като част от системата за изпълнение Speed Enforcement. Ето защо, предоставената информация за Spike+ не е необходима и прави документа по-голям и по-труден за използване.

Всички референции към „цветна камера“ са променени на „камера с общ план“. 3M™ камерата със средна скорост получи типово одобрение във Великобритания с камера с черно-бял общ план, така че посочването й като „цветна камера“ е подвеждащо.

1. **Раздел „2.7 Осветяване“ (предишен раздел 4.7 в издание 5):**

* Поправен брой светодиоди на 264 (преработено издание 6 включва 252 светодиоди).
* Премахната е препратката, при която затвора на инфрачервената светлина (IR) може да бъде настроен на 1.5x или 2x от времето на светкавицата (за по-светло изображение на превозното средство).

3M™ камерата със средна скорост не включва тази функция.

1. **Раздел „2.8 Сензори (предишен раздел 4.8 в издание 5)**

* Премахнато е сравнението на резолюцията на Spike+ (неуместно) и изясняване на действителните (използвани) размери и честота на кадрите на IR.
* Преработеното издание 7 пояснява, че канала с общ план дава 720x288 пиксела при 50fps. (Издание 5 изглежда подсказва 752x582 пиксела при 50fps.)

1. **Раздел „2.10 Таблици за синхронизиране и експозиция“ (предишен раздел 4.10** **в издание 5)**

* Премахната е препратка към настройки на таблицата за светкавицата на камерата с общ план (само камерата с инфрачервена светлина разполага с настройки на таблицата за светкавицата)
* Премахнато е изявлението, че нарастването на двата канала на камерата може да се регулира в 7 стъпки от по 3 db всяка. (На практика нарастването може да се регулира в 180 стъпки, както е посочено в първия параграф на раздела).
* Функцията снимане в експозиционен клин е тествана за до 140mph (а не 130mph, както е посочено в издание 5).
* Премахната е препратката към настройката „хардуерна чувствителност за откриване на регистрационен номер (праг)“, тъй като 3M™ камерата със средна скорост не разполага с такава функция.

**2.5** **Раздел „2.11 Комуникации“ (Раздел 4.11 в издание 5)**

* Пренаписано начално изречение, което по-точно да отразява обхвата на комуникациите, след премахване на препратката към „telnet интерфейс“. (Традиционният telnet не е наличен в 3M™ камерата със средна скорост – той заменен от SSH).
* Премахната е препратка към споделената тайна, заредена от серийния порт. Въпреки че е възможно да се направи, споделената тайна на 3M™ камерата със средна скорост обикновено се зарежда чрез SSH.

**2.6** **Раздел „2.12 Поддръжка“ (Раздел 4.12 в издание 5)**

* Поправен брой на PCBs (от 5 на 7)
* Промяна на посочването на „LED борд“ на „LED бордове“ (има 2)

**2.7 Раздел „4.14 Средно време между отказите /MTBF/“ премахнато в издание 7**

* Целият раздел е премахнат в издание 7

**2.8 Раздел „3.1 Хардуерна архитектура“ (Раздел 5.1 в издание 5)**

* Removed the statement that the 'sequential 32 bit video field number' (for the IR) is reset at the start of each session. It is reset on camera application startup only.
* Modification to state that the watchdog is patted by the camera application (not by the Operating system as claimed in rev 5)

**2.9**

**2.10**

**2.11**

**Section '3.2 Hardware Functional Description' (Section 5.2 in rev 5)**

Corrected the number of PCBs to be 7 in total (including 2 LED boards). (Rev 5 states 5 PCBs (including 1 LED board)).

**Section '3.4 Software Architecture & Image Capture' (Section 5.4 in rev 5)**

Mention that the 'hardware trigger input' is used for the GPS Pulse Per Second (PPS) input. (Rev 5 did not mention this.)

**Section '3.4.1 Detailed Software Architecture' (Section 5.4.1 in rev 5)**

Corrected the description of the plate read confidence value. It is not a percentage (rev 5 says it is a percentage) and the maximum value is 99 (rev 5 says 98).

1. **Section '3.4.2 Time Synchronisation' (Section 5.4.2 in rev 5)**

* Rev 5 states that the camera system clock is maintained by the ntpd (NTP daemon) which in turn uses the GPS as a synchronisation source. This is incorrect as ntpd is no longer used to discipline the system clock. Instead code was implemented to discipline the system clock directly from the GPS sentences and Pulse Per Second (PPS) interrupt.
* Described new functionality where ntpd is used to maintain a 3rd time source using the instation as a synchronisation source. This third time guards against GPS tampering.

1. **Section '3.4.2.1 Demonstrating Time Accuracy' (Section 5.4.2.1 in rev 5)**

* Corrected the allowed offset between system time and GPS time from 1ms to 4ms. (Rev 5 states that if the time offset between the system time and the GPS reference is determined to be greater than 1ms the camera will report and end the enforcement session. What has been configured is to allow an offset up to 4ms.)
* Add the additional note that the system time jitter is also monitored. If the jitter exceeds 1ms the session will be ended. (Rev 5 did not mention the jitter tolerance at all.)
* State that both jitter and offset are tested every 20 seconds and also before processing any read event. (Rev 5 did not mention the polling period at all. However rev 5 did state that any condition had to persist for 15 seconds before action would be taken. This is not the case, the condition does not have to persist for any specific length of time, but the time from when the situation arises and action taken is a function of the polling period - that is, it might be anything from 0 to 20 seconds.)

1. **Sections '3.6 License Plate Detection' to '3.17 Additional Security' (Section '5.6 Other Features' in rev 5)**

In rev 5, the section 5.6 'Other Features' simply referred to the Spike+ sections 3.6 to 3.17 maintaining it was all valid for the Spike HD (now known as the 3M™ Average Speed Camera).

Since the Spike+ section of rev 7 has been removed, the relevant Spike+ information from sections

1. to 3.18 of rev 5 has been transplanted to section 3.6 to 3.17 of rev 5. These sections have then been corrected to reflect the 3M™ Average Speed Camera. The next sections detail the corrections.
2. Section '3.6 License Plate Selection' (Section 3.6 in rev 5)

* Qualify the information in Table 6 as being applicable to the UK TFL Cardet (rev 5 did not specify.)
* Removed Austria from the list of interpreted number plates for the UK TFL Cardet.
* The first cell in Table 6 corrected to read GB (rather than GB7).
* The 'Table 7 Plate-read confidence classification' from rev 5 has been removed as this does not properly reflect the actual meaning of the plate confidence values.
* The new 'Table 7 UK number plate formats' (which was named 'Table 6 UK number plate formats' in rev 5) had a row [XXX N X] [ABC 1 W] which was removed as it is a rare and obsolete syntax that is no longer explicitly supported.
* Reworded the sentence to clarify that the camera is configured to read both 'letterbox' and 'square' shape plates.

1. Section '3.7 License Plate Read Performance' (Section 3.7 in rev 5)

* Removed 'Table 10 ANPR Performance by those nationalities likely to be encountered in the UK' as no substantiation data exists for the 3M™ Average Speed Camera.

1. Section '3.8 IR Image Quality (Section 3.8 in rev 5)

* The number plate occupies 1/8 of the horizontal field of view on the 3M™ Average Speed Camera. (Not % as in rev 5.)
* Removed the sentences claiming that the shutter speed can be adjusted to 1.5 to 2 times

the flash period. The 3M™ Average Speed Camera does not support this.

* Removed the claim that "Different shutter/flash regimes may be remotely loaded into the camera firmware." The 3M™ Average Speed Camera does not require this.

1. Section '3.9 Overview Image Quality (Section '3.9 Colour Image Quality' in rev 5)

* As noted elsewhere, all the references to 'colour' have been changed to 'overview' (as the overview channel is in fact monochrome on the 3M™ Average Speed Camera).
* Corrected a claim that the jpeg compression is controlled to achieve a target file size. In fact

the jpeg quality is set to a fixed level.

* Removed the claim that the colour of the vehicle may be identified.
* Removed the claim that the camera switches to an alternate 'fixed shutter' at dusk. The

3M™ Average Speed Camera does not do this.

1. Section '3.10 Context Overview'

Added a new section for the extra 'Context Overview' image as supported on the 3M™ Average

Speed Camera. (This section did not exist in rev 5 or rev 6.)

1. Section '3.12 Evidential Strategy (Section 3.11 in rev 5)

* Removed the reference to "A channel for 'snap-shot' colour context images". The 3M™ Average Speed Camera does not have this.
* Corrected the mention of a "A channel for an web-based 'ANPR client event view' ". The 'ANPR client event view' is not web based for the 3M™ Average Speed Camera.
* Removed the claim that the camera can read 2700 vehicles per hour as (while it may be

true) we do not have data to substantiate.

1. Section '3.13.1 Status Word' (Section 3.12.1 in rev 5)

* Removed claim that "hardware tamper is an immediate interrupt". The 3M™ Average Speed Camera does not detect 'hardware tamper'.
* Removed the claim that a complete configuration CRC check is carried out every 8 seconds. The 3M™ Average Speed Camera has a low priority task that continuously updates the configuration CRC. There is no particular time limit.
* Removed the last paragraph of this section as it is addressed again in the next section.

1. Section '3.13.2 Diagnostics & Exceptions' (Section 3.12.2 in rev 5)

* Removed the claim that the maximum settable inter diagnostic period is 1 day. It is not specifically limited to 1 day.

***Section '3.13.2.1 Low Priority Diagnostics (Camera)' (Section 3.12.2.1 in rev 5)***

The following diagnostic items have been removed from the 3M™ Average Speed Camera system documentation as they are not needed and have never been reported by the 3M™ Average Speed camera:

* Plate trajectory gradient
* Plate trajectory distance from the centre of the image
* Hardware plate-finder threshold
* Hardware triggers per vehicle
* vehicles per minute
* Plate read confidence frequency per confidence band (this is actually reported, but as part of 'system' diagnostics rather than 'camera' diagnostics - so this item appears in the next section.).

Also noted that the 'Mean shutter setting' and 'Mean flash level' report the same value on this camera model.

***Section '3.13.2.2 Low Priority Diagnostics (System)' (Section ‘3.12.2.2 Low Priority Diagnostics (Communications)' in rev 5)***

* The first diagnostic 'Number of missed communications for this diagnostic period' was reworded to make it clear that the 'missed communications' referred to were restricted to the delivery of diagnostic or exception messages (not overall communication failures).

The following diagnostic items have been removed from the 3M™ Average Speed Camera system documentation as they are not needed and have never been reported by the 3M™ Average Speed camera:

* "Mean communications lag, in milliseconds, for this diagnostic period."

This diagnostic applies to the Spike+ only. It refers to SNTP communications lag. The 3M™ Average Speed Camera does not use SNTP.

* "The largest communications lag, in milliseconds, for this diagnostics period."

This diagnostic applies to the Spike+ only. It refers to SNTP communications lag. The 3M™ Average Speed Camera does not use SNTP).

* "The mean time synchronisation difference, in milliseconds, for this diagnostic period."

This diagnostic applies to the Spike+ only. It refers to SNTP time offset. The 3M™ Average Speed Camera does not use SNTP.

* "The largest synchronisation difference, in milliseconds, for this diagnostics period."

This diagnostic applies to the Spike+ only. It refers to SNTP time offset. The 3M™ Average Speed Camera does not use SNTP.

* "The mean number of SNTP transactions taken to achieve the required time synchronisation in this diagnostic period."

This diagnostic applies to the Spike+ only. The 3M™ Average Speed Camera does not use SNTP.

* "The number of successful synchronisations during this diagnostic period."

This diagnostic applies to the Spike+ only. It refers to SNTP time synchronisations. The 3M™ Average Speed Camera does not use SNTP.

* "The number of unsuccessful synchronisations during this diagnostic period."

This diagnostic applies to the Spike+ only. It refers to SNTP time synchronisations. The 3M™ Average Speed Camera does not use SNTP.

* "The UTC timestamp of the last successful synchronisation."

This diagnostic applies to the Spike+ only. It refers to SNTP time synchronisations. The 3M™ Average Speed Camera does not use SNTP.

* "The number of communications errors due to lack of a response from the host during this diagnostic period."

The following diagnostics (which may be reported by the 3M™ Average Speed Camera) have been added:

* Number of evidential records transferred direct to a host system during the diagnostic period
* Number of evidential records transferred to the non volatile (Compact Flash) store during the diagnostic period
* Number of events overwritten during this diagnostic period
* Number of transfer acknowledgements lost during this transfer period
* Number of records deleted in this period because they have aged beyond the permitted limit
* Plate read confidence frequency per confidence band

***Section '3.13.2.3 Exceptions & High Priority Events' (Section 3.12.2.3 in rev 5)***

The following exceptions have been removed from the 3M™ Average Speed Camera system documentation as they are not needed and have never been reported by the 3M™ Average Speed camera:

* FPGA Load Failure
* Hardware Watchdog Reboot
* Software Watchdog Reboot
* Power up

The general "Tamper" exception was replaced with 'Network Tamper (Ethernet connected)'. No other kind of tamper is detected. Added the note that the 'Engineer Connected' exception is also (i.e. in addition to 'Network Tamper') always delivered when an Ethernet cable is connected. Software Watchdog Reboot, Power Up, and Software Watchdog Reboot have been replaced by a single Application Started Exception.

The following diagnostics (which have an alarm threshold to generate an exception if the threshold is crossed) have been removed from the 3M™ Average Speed Camera system documentation as they are not needed and have never been reported by the 3M™ Average Speed Camera:

* Vehicles events per minute
* Tag to Trigger Ratio
* Mean Triggers per Vehicle
* Mean Trajectory Radius
* Loss of Video (overview)
* Loss of video (IR)
* Memory usage

1. Section '3.14 Fault Logging at the Camera' (Section 3.13 in rev 5)

This section has been reworked to describe the logging performed by the 3M™ Average Speed Camera. This section had previously described the logging performed by the Spike+ camera which is substantially different.

1. Section '3.15 Configuration and Test' (Section 3.14 in rev 5)

This section has been reworked to describe the working of the 3M™ Average Speed Camera. This section had previously described the working of the Spike+ camera which is substantially different.

Noteworthy changes regarding the following quotes from rev 5:

"SpeedSpike requires mandatory attendance at the roadside with police agreement for software update and a password for such access under police control. The process of making configuration changes guarantees that any changes made are automatically transmitted to the Instation for storage."

And in the next paragraph:

"Remote updating of software is permanently disabled in SpeedSpike. Access to an ftp server (e.g. for software update) will only be available with a wired connection at the roadside."

In fact the 3M™ Average Speed Camera does not explicitly prevent remote updates of either configuration or software version. These may be performed over the network using password protected SSH connections.

1. The rev5 'Section 3.16 ANPR Performance'

This section has been removed as the claims regarding ANPR performance applied to the Spike+ camera. Note the 3M™ Average Speed Camera would be expected to perform at least as well (if not better) than the Spike+.

1. The rev5 'Section 3.17 Roadside Integrity monitoring'

This section has been removed. It claimed:

"An access list of valid IP addresses is held in the camera and in the event of any unexpected attempt to access the camera, the Session keyset is discarded and an exception sent to the Instation."

The 3M™ Average Speed Camera, as configured, does not implement this functionality. It is possible to configure firewall rules to limit access (although by default this is not done on type approved systems.). Even if such firewall rules were configured, the system lacks the facility to generate an exception or discard the session Keyset in the event of an unauthorized attempt to access the camera from an invalid IP address.

1. **Section '4.1 Introduction' (Section 6.1 in rev 5)**

In description of Enforcement Manager "the CD for its transference to the ERCU", ERCU was corrected to SM.

1. **Section '4.5.1 Topology Initialisation' (Section 6.5.1 in rev 5)**

Corrected the XML in 'Figure 19: Simple 2-link network. XML Description'. (Figure 29 in rev 5)

1. **Section '4.6.1 Data Loader (DL)' (Section 6.6.1 in rev 5)**

Added the details of ERCU key store, which is missing in rev 5 description. Added key "Instation/OVDS" into SM key store, which is also missing in rev 5 description.

Corrected the names of "EM/SM" key as "EM/Instation".

1. SS002 Changes
2. **Overall changes**

Rebranded to 3M including change of address.

Removed the entire Spike+ Section. The Spike+ camera never achieved Home Office Type Approval and is not sold as part of a Speed Enforcement system anywhere in the world. So the Spike+ information provided is unnecessary and made the document larger and more difficult to navigate.

Changed all references to 'colour camera' to instead refer to 'overview camera'. The 3M™ Average Speed Camera was type approved in the UK with a monochrome overview camera so referring to it as the 'colour camera' is misleading.

1. **Section '3.1 Dataflow Model' (Section 3.1 in rev 10)**

Corrected the names of some encryption keys in figure 1, figure 2 and in the text whenever the same keys are referred (both in this section and other sections): corrected "ERCU/OVDS" as "Instation/OVDS", "EM/SM" as "EM/Instation", "EM/ERCU" as "EM/Instation". Added "Instation/OVDS" key to the SM key store CD.

1. **Section '3.2 Security Model' (Section 3.2 in rev 10).**

Removed "The shared secret is never transferred across the network" as the 3M™ Average Speed Camera does allow for the shared secret to be entered over the network using password protected ssh.

1. **Section '3'3'1 Shared Secrets and the Shared Secret Access Key (SSAK)' (3.3.1 in rev 10).**

* Corrected the claim that the shared secret is loaded by the "Engineering Workstation Application". The "Engineering Workstation Application" is not used with the 3M™ Average Speed Camera
* Added the fact that on the 3M™ Average Speed Camera the shared secret may also be entered via SSH.

1. **Section '3.4 Access Security' (Section 3.4 in rev 10).**

* Removed the claims that an (IP address) access control list is enforced, that unpermitted access will be logged and a tamper event generated.

As discussed earlier, the 3M™ Average Speed Camera does not implement this authorised IP address list.

* Removed the claim that "Valid logins will raise an 'Operator is on-line' bit in the status word." This bit is never set by the 3M™ Average Speed Camera. However it is important to note that this 'Operator is on-line' status is not ignored. It is raised via an an 'Engineer Connected' exception. This exception will cause the instation to terminate the session.
* Corrected the claim that failed login attempts will raise an exception to the instation. (On the 3M™ Average Speed Camera, failed logins will be logged, but no exception raised.) On the other hand, successful logins to the 3M™ Average Speed Camera will raise an exception. This exception will cause the instation to terminate the session.
* Removed the following (not implemented on the 3M™ Average Speed Camera):

"Optionally, unauthorised access to the roadside cabinet operates a microswitch the status of which is polled once per second across Ethernet. All connected Cameras immediately delete the Session keys upon such access."

* Corrected the statement: "The Shared Secret is loaded into the camera by means of a serial connection only...."

The 3M™ Average Speed Camera also allows the shared secret to be loaded via password protected ssh.

1. **Section '4.2 Secondary Time Reference' (section 4.2 in rev 10).**

Corrected the claimed resolution of the secondary clock. Rev 10 claimed 1 second. The 3M average

Speed camera has the finer resolution of 0.01 second.

1. **Addition Section '4.3 NTP Time Reference'**

|  |  |
| --- | --- |
| Added this section describing the new feature, an additional check on the primary and secondary | |
| time. This additional check is intended to protect against GPS tamper. |  |

1. **Section '4.4.2 Start-up (section 4.3.1 in rev 10)**

Reworked to take into account the new 'NTP Time Reference' mentioned earlier.

1. **Section '4.4.7 Time Check on Event Capture' (section 4.3.7 in rev 10)**

Removed the last sentence of this section which (in rev 10) read:

"In addition a video field count is maintained from the beginning of the current timed Session as a further independent measure of time."

The 3M™ Average Speed Camera maintains a video field count from application start-up time. It is not reset at the start of each session.

1. **Section '5.1 Concurrent capture of images' (section 5.1 in rev 10)**

Reworded to increase accuracy of claims:

* Removed reference to tv-line and tv-frame and replaced with internally
* Corrected the platefind count. Rev 10 claimed 2 candidate platefind positions were considered. The 3M™ Average Speed Camera considers 4.

1. **Section '5.3 Textual Overlay' (section 5.3 in rev 10)**

Corrected the statements about lens and field of view selection.

1. **Section '5.4.1 3M™ Average Speed Camera Baseline Correction' (section 5.4.1 in rev 10)**

* Corrected section to be applicable to 3M™ Average Speed Camera only. This included

removing section 5.4.2 that appeared in rev 10.

image2

1. **Section '5.5 Pull Architecture' (section 5.5 in rev 10)**

Removed first 2 bulleted points as these items refer to the Spike+.

1. **Section '5.7 Roadside Storage' (section 5.7 in rev 10)**

* Changed to indicate that the 3M™ Average Speed Camera is capable of storing up to 12,000 records on a 4GB compact flash. (What had been claimed was 35,000 records on a 1GB compact flash).
* Indicated that the maximum size compact flash is 32GB (not 4GB) for the 3M™ Average Speed camera.
* Regardless of the size of compact flash, the 3M™ Average Speed Camera is configured to store a limit of 1000 records. Therefore it will maintain the 1000 most recent records (not

1. as claimed).

* Removed claims that the 3M™ Average Speed Camera will retain up to 2 days of diagnostic/exception data. The disk store, as configured, will wrap after 5 items.
* Modified claim regarding the number of Evidential Records that may be held in RAM to read 64 rather than 200.

1. **Section '7.2 Shared Secret' (section 6.2 in rev 10)**

* Modified the claim "The shared secret is never exposed and never transferred across the network" to clarify that this only applies to communication between 3M™ Average Speed Camera and instation. The shared secret is exposed to the operator (who has to enter it) and may be transferred (SSH encrypted) over the network if the entry is made via SSH.

|  |  |
| --- | --- |
| • | Corrected the claim that the shared secret is only exported to the "Engineering Workstation" |
|  | as an as an "authenticated and encrypted binary file". The Engineering Workstation is not |
|  | used and the shared secret is exported as a CSV file for the commissioning engineer to be |
|  | able to enter. |
| • | Corrected the claim that the shared secret is loaded automatically by the Engineering |
|  | Workstation and is not visible. The Engineering Workstation is not used and the shared |
|  | secret is entered by the commissioning engineer. |
| • | Corrected the claim that the serial connection is not wired to the roadside cabinet. Some |
|  | installations of the 3M™ Average Speed Camera do have the serial connection to the |
|  | cabinet. |
| • | Corrected the claim that the shared secret is only loadable via serial connection. For the |
|  | 3M™ Average Speed Camera it is also loadable across the network via SSH. |

1. **Section '7.8 Random Number Generation' (section 7.8 in rev 10)**

Rewrote the section to reflect the fact that the 3M™ Average Speed Camera uses the Linux device /dev/urandom for random number generation. The previous text referred to how the Spike+ generated random numbers.

1. User Manual Changes
2. **General changes**

Rebranded to 3M applied to all user manuals, which include:

1. 3M™ Average Speed Camera System Operator Manual
2. 3M™ Average Speed Camera System Data Loader User Manual
3. 3M™ Average Speed Camera System Key Manager User Manual
4. 3M™ Average Speed Camera System Enforcement Manager User Manual
5. 3M™ Average Speed Camera System VR-Viewer
6. 3M™ Average Speed Camera System VR-Export User Manual
7. 3M™ Average Speed Camera System Software Version Manual
8. 3M™ Average Speed Camera System Watch List Plugin Specification (for Bulgaria system only)

Major changes for the rebranding include:

1. Change of company name from either Federal Signal or PIPS Technology Ltd to 3M
2. Change of company address
3. Change of product name from SpeedSpike to 3M™ Average Speed Camera System
4. Change of system logo/images, and hence basically all the screenshots in the user manuals

Other changes such as rewording to make the descriptions clearer and typo have also been done to all user manuals occasionally.

* 1. **VR-Export User Manual**
* Section 3.1: exporting violations to Serco supports EROS 2 format (an update from the previous), which allows prioritized evidence images can be chosen from overview image or context images automatically or manual.
* Section 3.2: Exporting violations to Startraq could be in both XML and DomeAPI format. When exporting via DomeAPI, the "cameraType" has been changed from "SpeedSpike" to "3MAverageSpeed".

***End***