



BOSCH

IP Video Firmware Info Brief

Information about firmware release and provisioning status



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This Info Brief will continuously be updated whenever a new firmware is released, or a provisioning status changes. It will not be versioned by number but by publishing date only. Take care to refer always to the most recently published version.

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1 Introduction

This info brief aims to provide an overview of all firmware releases for the various Common Product Platforms (CPP) for Bosch IP cameras and video encoders. A Common Product Platform is defined mainly by the used system-on-chip (SoC), which provides the capabilities for certain resolution and framerate support as well as all hardware capabilities. The info brief gives an insight to lifecycle management for firmware and related platforms. It explains the situation and status of a firmware, and when a firmware is provided for download, or revoked.

1.1 Where to find firmware

Released firmware is provided, together with other product information, on the respective page for a product within our [product catalogue](#)^[1], or via the [Bosch Download Area](#)^[2]. For detailed information of a specific product, the product catalogue is the recommended way to go. Those, who just need to update firmware and already know the platform which their product is based on, may directly go to the Download Area for a quicker and condensed overview.

1.2 Types of firmware releases

Firmware is software - and developed as such. It is just packaged together in a form that is not changeable by users within a fixed version. It changes and becomes feature-enriched over lifecycles. These enhancements are packaged into major and minor feature releases, reflected in the major and minor firmware version number. Due to continuous improvements, required fixes may be covered by maintenance releases. Continuous monitoring of public sources as well as internal security reviews may reveal findings that need to be tackled quickly, which may result in security releases.

A firmware version number is structured like the following:

m	the major version
nn	the minor / maintenance version
bbbb	the sequential build number during development, always 4 digits with leading zeros

The numbers are divided by dots, looking like m.nn.bbbb.

As an example, a firmware release version 7.10.0074 is defined by major version 7, minor version 1, the maintenance version 0 as for the initial feature release, and the build number 74 concluding the development.

1.3 Features and capabilities

The capability of a Bosch IP camera or encoder is driven by two forces: One is the hardware capability, defined by the Common Product Platform itself and the combined components of the product. The other is the firmware that drives this hardware. The firmware is developed on a common code basis and derived from there for the active platforms, making the feature sets of various platforms fairly similar within a certain firmware version.

2 Firmware lifecycle management

Bosch IP video firmware is constantly being developed to include new features and to support new platforms and products. In parallel, vulnerability scans, code reviews, static code analysis, and annually executed penetration tests by 3rd parties help increasing the overall security level and improve maturity.

2.1 Outdated firmware

The constant development and improvements come into effect with successive firmware releases. This continuity has an impact on previous firmware releases. Even without severe security issues, older firmware releases may become non-publishable due to accumulation of smaller issues.

For product compliance reasons, such outdated firmware is not allowed for free distribution anymore. Exception can only be granted for a very solid reason, for example integration with a management software that cannot be upgraded anymore but requires an exact firmware version to be functional. Such an exception requires a concession signed by the customer to acknowledge his awareness of potential security flaws that must be mitigated with respective measures.

2.2 Extended firmware support for EOL platforms

Support of a new platform is typically seamlessly introduced with a major or minor firmware release, then continued over a period of time as long as products based on this platform are shipped.

Before a platform is being discontinued, its feature set is typically considered quite mature. Once a platform reaches its end of life (EOL), its support by firmware also changes. Around that point, end of feature (EOF) will be declared, or has been already, meaning that no new features are to be expected for this platform. The firmware is split off from the continuous development and has its code base frozen to allow necessary fixes to be implemented on a stable firmware basis.

The firmware specific for this platform enters “maintenance mode”. This phase covers the time where the last sold products of this platform are regularly maintained during their warranty period, providing bug fixes and security fixes to keep the product state-of-the-art. It applies to all products that are still within their warranty period, and firmware will only be tested for these products.

After that, Bosch provides “extended support” to cover the remaining timespan while the products of this platform will be serviced by Bosch, providing security fixes.

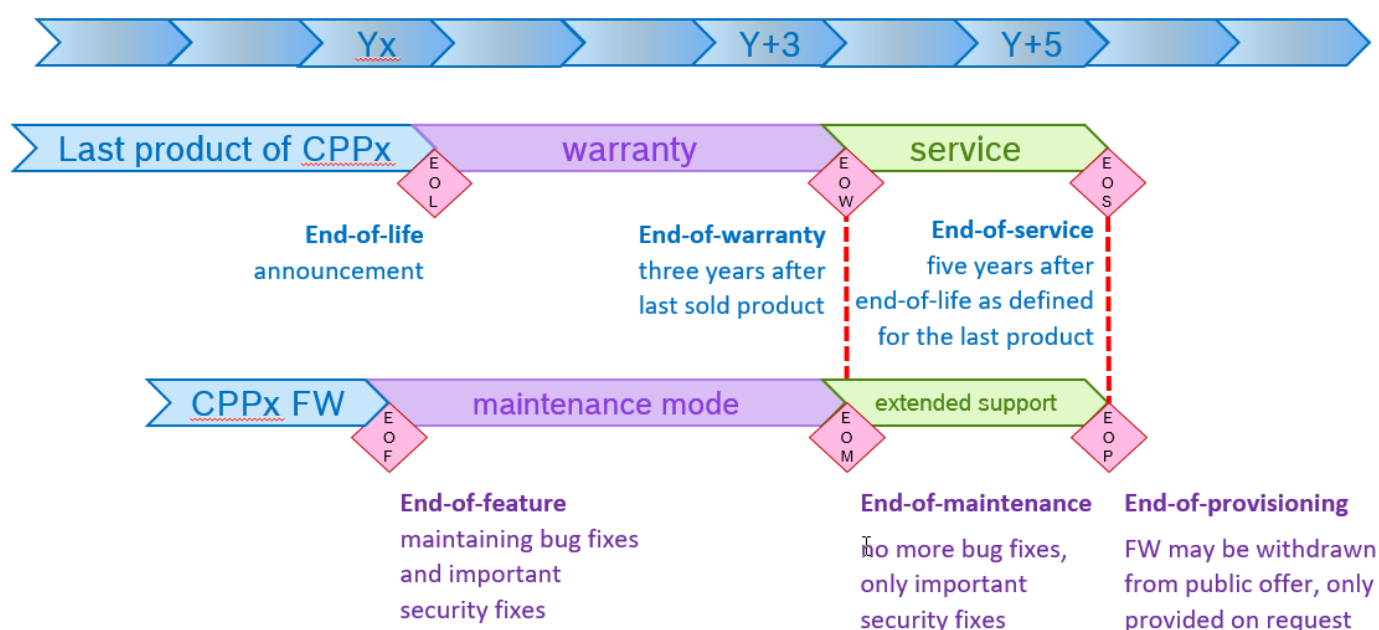


Figure 1: Firmware maintenance lifecycle

3 Firmware status and availability

3.1 Recent firmware for active platforms

PLATFORM	EOF	EOM	EOS/EOP	VERSION	STATUS	AVAILABILITY	NOTES
CPP14				9.43	active	public	The CPP14 FW file is the same for CPP14.1, 14.2, and 14.3.
CPP13, INTEOX	06/2025			8.94	MM	public	
CPP7.3	05/2022			7.90	MM	public	
CPP7	05/2022			7.90	MM	public	
CPP6	05/2022			7.90	MM	public	
AVIOTEC	05/2022			7.82	MM	public	
CPP5	07/2016	07/2019	10/2025	6.31	ES	public	
CPP4	05/2019	05/2022	05/2024	7.10	ES	public	
CPP3 cameras	10/2018	12/2018	12/2023	5.75	ES	public	
CPP3 encoders	10/2018	12/2018	12/2023	5.75	ES	public	
CPP-ENC	10/2014	03/2018	03/2026	5.97	ES	public	

Legend

► Headline:

- EOF End of feature development, starting maintenance mode phase.
- EOM End of maintenance, starting extended support with security fixes only.
- EOS/EOP End of service / end of provisioning.

► Status:

- Active Platform is active and will potentially receive new firmware features and updates.
- MM Platform firmware is in maintenance mode and will receive bug fixes and security fixes as required.
- ES Platform firmware is in extended support but out of maintenance and will receive only security fixes as required.

► Availability:

- public Firmware is publicly provided for download. Public firmware is recommended by Bosch as the most stable and secure version.
- revoked Firmware is no more publicly available for download due to accumulation of various issues or vulnerabilities, requires a concession.
- terminated Firmware is no more provided at all, typically if older than 5 years back, when service period expired.

3.2 Combined firmware files

Besides the firmware files for each platform, Bosch provides files that combine multiple firmware files for certain maintained platforms to simplify the firmware update process in case of installations with a mix of platforms. These combined firmware files also include all firmware versions that are required to be sequentially installed, so-called intermediate versions, if coming from an older installed firmware. Intermediate firmware versions introduce architectural changes and take care for compatibility when crossing over, thus are mandatory steps for upgrades and downgrades.

Instead of collecting all separate intermediate firmware files prior to starting the upgrade process and uploading them in the right order, a combined firmware file allows installing the same firmware file repeatedly until the target firmware version is reached. The camera will automatically choose the next appropriate firmware version.

There are two types of combined firmware file:

- ▶ one that holds firmware for certain maintained platforms including EOL platforms still in service, filename starting with “CPP_”, and
- ▶ one that only holds firmware for certain platforms capable of working with encrypted and signed firmware, filename starting with “CPPS_”.

They are named for the most-recent firmware version included, and only the latest combined firmware is provided.

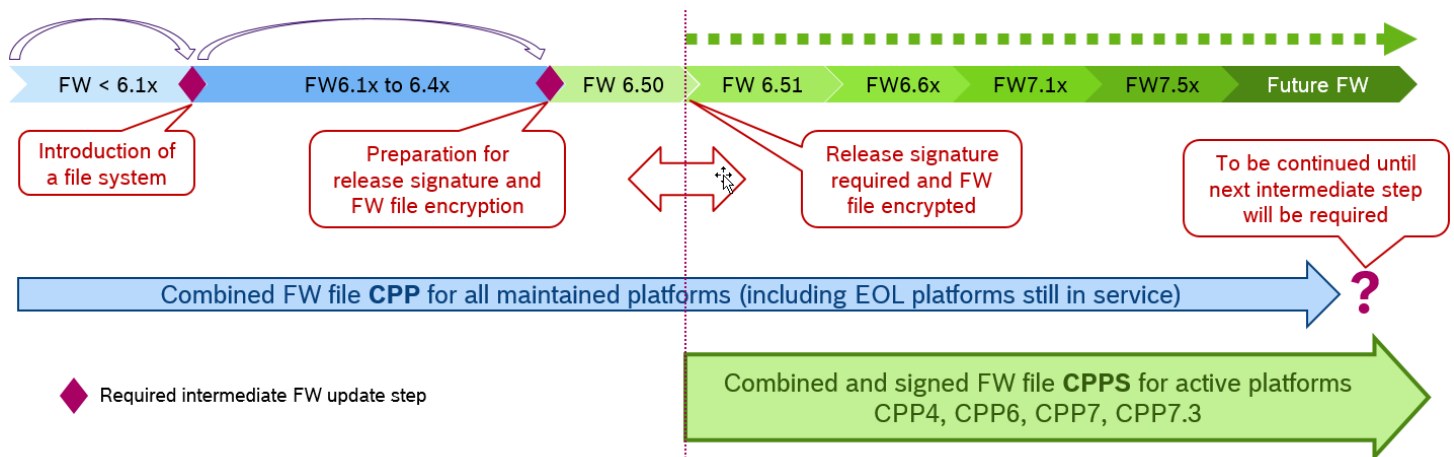


Figure 2: Combined firmware files, timeline and availability

The comparison table below provides hints when a certain combined firmware file is applicable.

CPP	CPPS
Supports platforms still active or within service period: CPP-ENC, CPP3, CPP4, CPP5, CPP6, CPP7 and CPP7.3	Supports only active platforms: CPP4, CPP6, CPP7 and CPP7.3
Mix of unencrypted and encrypted files	Encrypted firmware files only
Not release-signed (not supported by old products and firmware)	Container and single files are all release-signed
Not usable with FW 6.51 and higher	Usable only with FW 6.51 and higher
Will be continued until new intermediate firmware upload step is required	May also include intermediate firmware upload steps in future

Note: Newer platforms, like CPP13 and CPP14, are not covered by these combined firmware files.

3.3 Firmware history of IP camera platforms

VERSION	PLATFORMS	RELEASE DATE	STATUS	AVAILABILITY	NOTES
9.43.0010	CPP14 (CPP14.2 and 14.3 and AVIOTEC)	07/2025	active	public	
8.93.0031	CPP13, INTEOX	07/2025	active	public	
7.90.0098	CPP7.3, CPP7, CPP6	02/2025	active	public	
9.41.0018	CPP14 (CPP14.2 and 14.3 and AVIOTEC)	02/2025	active	replaced	Replaced by 9.43.0010
8.93.0031	CPP13, INTEOX	02/2025	active	replaced	Replaced by 8.94.0026
9.40.0134	CPP14 (CPP14.2 and 14.3)	12/2024	active	replaced	Replaced by 9.41.0018
9.40.0132	CPP14 (CPP14.2 and 14.3 and AVIOTEC)	11/2024	active	replaced	Replaced by 9.40.0134
9.11.0009	CPP14 (CPP14.1 , 14.2 and 14.3)	08/2024	active	public	CPP14.2 and 14.3 were replaced by 9.40.0132
8.92.0048	CPP13, INTEOX	07/2024	active	replaced	Replaced by 8.93.0031
8.92.0046	CPP13, INTEOX	06/2024	active	replaced	Replaced by 8.92.0048
7.89.0045	CPP7.3, CPP7, CPP6	06/2024	active	replaced	Replaced by 7.90.0098
9.10.0192	CPP14 (CPP14.1 , 14.2 and 14.3)	04/2024	active	replaced	Replaced by 9.11.0009
9.00.0210	CPP14 (CPP14.1 , 14.2 and 14.3)	11/2023	active	replaced	Replaced by 9.10.0192
8.91.0028	CPP13, INTEOX	11/2023	active	replaced	Replaced by 8.92.0046
8.90.0037	CPP13, INTEOX	09/23	active	revoked	Replaced by 8.91.0028
8.90.0036	CPP13, INTEOX	07/2023	outdated	revoked	Replaced by 8.90.0037
8.80.0090	CPP14 (CPP14.1 , 14.2 and 14.3)	06/2023	active	replaced	Replaced by 9.00.0210
8.71.0069	CPP14.2	04/2023	active	revoked	Replaced by 8.80.0090
8.71.0066	CPP14 (CPP14.1 , 14.2 and 14.3)	02/2023	active	replaced	Replaced by 8.80.0090
8.71.0066	CPP14.1	02/2023	active	revoked	Replaced by 8.80.0090
8.71.0066	CPP14.2	01/2023	active	revoked	Replaced by 8.71.0069
8.70.0067	CPP14.2	11/2022	active	revoked	Replaced by 8.71.0066
8.51.0009	CPP14.2	07/2022	active	revoked	Replaced by 8.70.0067
8.50.0138	CPP14.2	05/2022	active	revoked	Replaced by 8.51.0009
8.48.0017	CPP13, INTEOX	05/2023	active	replaced	Replaced by 8.90.0036
8.47.0026	CPP13, INTEOX	01/2023	defective	revoked	Replaced by 8.48.0017
8.46.0030	CPP13, INTEOX	11/2022	active	replaced	Replaced by 8.47.0026
8.45.0032	CPP13, INTEOX	07/2022	active	replaced	Replaced by 8.46.0030

VERSION	PLATFORMS	RELEASE DATE	STATUS	AVAILABILITY	NOTES
8.41.0029	CPP13, INTEOX	04/2022	active	replaced	Replaced by 8.45.0032
8.40.0029	CPP13, INTEOX	01/2022	active	replaced	Replaced by 8.41.0029
8.30.0082	CPP14.1	12/2021	active	revoked	
8.20.0143	CPP14.2	12/2021	active	revoked	Replaced by 8.50.0138
8.12.0005	CPP13, INTEOX	09/2021	outdated	replaced	Replaced by 8.40.0029
8.10.0075	CPP13, INTEOX	09/2021	outdated	replaced	Replaced by 8.12.0005
8.00.0155	CPP14.1	07/2021	active	revoked	Replaced by 8.20.0143
8.00.0153	CPP14.1	06/2021	outdated	revoked	Initial CPP14 platform release
7.89.0030	CPP7.3, CPP7, CPP6	12/2023	active	replaced	Replaced by 7.89.0045
7.87.0029	CPP7.3, CPP7, CPP6	05/2023	active	replaced	Replaced by 7.89.0030
7.86.0019	CPP7.3, CPP7, CPP6	12/2022	active	replaced	Replaced by 7.87.0029
7.85.0016	CPP7.3, CPP7, CPP6	08/2022	active	replaced	Replaced by 7.86.0019
7.84.0023	CPP7.3, CPP7, CPP6	05/2022	active	replaced	Replaced by 7.85.0016
7.83.0027	CPP7.3	02/2022	active	replaced	Replaced by 7.84.0023
7.83.0027	CPP7, CPP6	02/2022	active	replaced	Replaced by 7.84.0023
7.82.0028	FLEXIDOME IP 5000i (CPP7.3)	12/2021	active	replaced	Replaced by 7.83.0027
7.82.0025	AVIOTEC	12/2021	active	public	
7.82.0025	CPP7.3	10/2021	active	replaced	Replaced by 7.83.0027
7.82.0025	CPP7, CPP6	10/2021	active	replaced	Replaced by 7.83.0027
7.81.0060	AVIOTEC	07/2021	outdated	replaced	Replaced by 7.82.0025
7.81.0060	CPP7.3	07/2021	outdated	replaced	Replaced by 7.82.0025
7.81.0060	CPP7, CPP6	07/2021	outdated	replaced	Replaced by 7.82.0025
7.80.0129	CPP7.3, CPP7, CPP6	06/2021	vulnerable	revoked	Replaced by 7.81.0060
7.80.0128	CPP7.3, CPP7, CPP6	04/2021	vulnerable	revoked	Replaced by 7.80.0129
7.80.0127	CPP7.3, CPP7, CPP6	03/2021	vulnerable	revoked	Replaced by 7.80.0128
7.75.0008	CPP13, INTEOX	06/2021	outdated	replaced	Replaced by 8.10.0075
7.75.0006	CPP13, INTEOX	12/2020	vulnerable	revoked	
7.72.0013	AVIOTEC	06/2021	vulnerable	revoked	Replaced by 7.81.0060
7.72.0008	AVIOTEC	11/2020	vulnerable	revoked	
7.72.0008	CPP7.3, CPP7	11/2020	vulnerable	revoked	Replaced by 7.80.0128

VERSION	PLATFORMS	RELEASE DATE	STATUS	AVAILABILITY	NOTES
7.70.0098	CPP13, INTEOX	12/2020	vulnerable	revoked	Initial INTEOX platform release, replaced by 7.75.006
7.70.0126	CPP7.3, CPP7, AVIOTEC	08/2020	vulnerable	revoked	Replaced by 7.80.0128
7.70.0126	CPP6	08/2020	vulnerable	revoked	Replaced by 7.80.0128
7.62.0005	CPP7.3, CPP7, CPP6	06/2021	vulnerable	revoked	Replaced by 7.81.0060
7.62.0003	CPP7.3	07/2020	vulnerable	revoked	
7.61.0026	CPP7.3	05/2020	vulnerable	revoked	Replaced by 7.62.0003
7.61.0023	CPP7.3	04/2020	vulnerable	revoked	
7.61.0023	CPP7, CPP6, AVIOTEC	04/2020	vulnerable	revoked	
7.61.0019	AVIOTEC	03/2020	vulnerable	revoked	Replaced by 7.61.0023
7.10.0096	CPP4	06/2021	active	public	
7.10.0095	CPP4	06/2021	outdated	replaced	Replaced by 7.10.0096
6.50.0133	CPP7.3, CPP7, CPP6, CPP4	01/2019	vulnerable	public	In combined file for upgrading only, Intermediate version *
6.50.0128	CPP7.3, CPP7, CPP6, CPP4	06/2018	vulnerable	revoked	
6.11.0030	CPP6, CPP4	12/2019	vulnerable	public	In combined file only, Intermediate version *
5.75.0011	CPP3	08/2019	ES	public	

Legend

► Status:

- Active Platform is active and will potentially receive new firmware features and updates
- Defective Firmware has critical known issues and is revoked and replaced by a newer version
- ES Firmware is in extended support and will receive only security fixes as required
- Outdated Firmware is outdated, may have had findings, and is replaced by a newer version
- Vulnerable Firmware has known vulnerabilities and is replaced by a newer version

► Availability:

- public Firmware is publicly provided for download. Public firmware is recommended by Bosch as the most stable and secure version.
- replaced Firmware is replaced by a newer version but is still publicly provided and can be downloaded. Replaced firmware is still secure but maybe missing features.
- revoked Firmware is no more publicly available for download due to accumulation of various issues or security vulnerabilities, requires concession.
- terminated Firmware is no more provided at all, typically if older than 5 years back, when service period expired.

► Notes:

* Intermediate versions are required steps in an upgrade path to higher firmware versions. They are not recommended as final version if newer versions are available.


Any older version, not mentioned in the above or below list, is considered terminated.

3.4 Firmware history of IP encoders / decoders / transcoders

VERSION	PLATFORMS	RELEASE DATE	STATUS	AVAILABILITY	NOTES
6.31.0019	CPP5	01/2023	ES	public	
6.31.0010	CPP5	07/2019	vulnerable	terminated	
6.31.0007	CPP5	01/2019	vulnerable	terminated	
6.31.0003	CPP5	08/2019	vulnerable	terminated	
6.30.0059	CPP5	04/2018	vulnerable	terminated	
6.30.0047	CPP5	07/2016	vulnerable	terminated	
5.97.0013	CPP-ENC	12/2018	ES	public	
5.93.0026	CPP-ENC	06/2016	vulnerable	terminated	
5.92.0027	CPP-ENC	08/2014	vulnerable	terminated	
5.92.0029	CPP5	11/2015	vulnerable	terminated	
5.92.0026	CPP5	09/2015	vulnerable	terminated	
5.92.0023	CPP5	12/2014	vulnerable	terminated	
5.92.0006	CPP5	08/2014	vulnerable	terminated	
5.90.0070	CPP5	04/2014	vulnerable	terminated	
5.90.0064	CPP5	02/2014	vulnerable	terminated	
5.85.0040	CPP-ENC	11/2013	vulnerable	terminated	
5.75.0011	CPP3	08/2019	ES	public	
5.75.0004	CPP3	09/2018	outdated	terminated	
5.75.0002	CPP3	08/2018	outdated	terminated	
5.74.0010	CPP3	04/2018	outdated	terminated	
5.74.0004	CPP3	07/2017	outdated	terminated	
5.74.0001	CPP3	03/2017	vulnerable	terminated	
5.70.0028	CPP5	06/2013	vulnerable	terminated	
5.70.0023	CPP5	03/2013	vulnerable	terminated	
5.70.0020	CPP5	01/2013	vulnerable	terminated	
5.60.0061	CPP-ENC	06/2013	vulnerable	terminated	
5.54.0012	CPP-ENC	12/2018	ES	terminated	VIP-X1600 only
5.54.0004	CPP-ENC	08/2018	outdated	terminated	
5.53.0004	CPP-ENC	07/2017	outdated	terminated	
5.52.0031	CPP-ENC	10/2016	vulnerable	terminated	

4 References

REFERENCE	TARGET	LINK
1	Bosch Security Systems Product Catalogue	Via https://www.boschsecurity.com/xc/en/product-catalog/
2	Bosch Security Systems Download Area	https://downloadstore.boschsecurity.com/



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