



Impulse 300E Internet Streaming Encoder

Product Release Notes
Maintenance Release v1.5.5



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Sencore is an engineering leader in the development of high-quality signal transmission solutions for the broadcast, cable, satellite, IPTV, and telecommunications markets. The company's world-class portfolio includes video delivery products, system monitoring and analysis solutions, and test and measurement equipment, all designed to support system interoperability and backed by best-in-class customer support. Sencore products meet the rapidly changing needs of modern media by ensuring the efficient delivery of high-quality video from the source to the home. More information about Sencore is available at the company's website, www.sencore.com.

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Revision History

Date	Revision	Description	Author
12/06/2023	1.0	1.4.1 Maintenance Release	MMH
01/30/2025	1.1	1.4.2 Maintenance Release	MMH
06/04/2025	1.2	1.5.0 Feature Release	MMH
08/11/2025	1.3	1.5.1 Maintenance Release	MMH
12/23/2025	1.4	1.5.2 Maintenance Release	JKS
03/06/2026	1.5	1.5.3 Feature Release	MMH
06/11/2026	1.6	1.5.4 Maintenance Release	MMH
08/17/2026	1.7	1.5.5 Maintenance Release	SJR

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Maintenance Release 1.5.5

The 1.5.5 release is a maintenance release for the Impulse 300E. 1.5.5 obsoletes any beta software builds that were previously provided. This software release resolves a number of issues reported during product development and customer evaluation testing.

Supported Hardware

Impulse 300E

Update Information

Current Release File Names:	IMPULSE300E_1.5.5.tar
Release Number:	1.5.5
Release Branch:	1.5.x

Resolved Issues

- | | |
|----------|---|
| SCP-1065 | - Updated SRT library to version 1.5.6 to address CVE-2026-55868 and CVE-2026-55869 |
| SCP-1067 | - Unit failed to upload/update software sometimes |

Maintenance Release 1.5.4

The 1.5.4 release is a maintenance release for the Impulse 300E. 1.5.4 obsoletes any beta software builds that were previously provided. This software release resolves a number of issues reported during product development and customer evaluation testing.

Supported Hardware

Impulse 300E

Update Information

Current Release File Names:	IMPULSE300E_1.5.4.tar
Release Number:	1.5.4
Release Branch:	1.5.x

Resolved Issues

SCP-1051 - Section gap of PAT and PMT tables was small for SRT output

Feature Release 1.5.3

The 1.5.3 release is a feature release for the Impulse 300E. 1.5.3 obsoletes any beta software builds that were previously provided. This software release resolves a number of issues reported during product development and customer evaluation testing.

What's New in v1.5.3

- Adjustable Time to Live (TTL)

Note: *New unlicensed features that were added will automatically show up and be available in the user interfaces. No additional licenses need to be purchased to support these features. New hardware support requires the purchase of the new hardware options in order to gain functionality.*

Supported Hardware

Impulse 300E

Update Information

Current Release File Names:	IMPULSE300E_1.5.3.tar
Release Number:	1.5.3
Release Branch:	1.5.x

Resolved Issues

SCP-1048 - Sometime the HDMI input doesn't detect the framerate correctly

Maintenance Release 1.5.2

The 1.5.2 release is a maintenance release for the Impulse 300E. 1.5.2 obsoletes any beta software builds that were previously provided. This software release resolves a number of issues reported during product development and customer evaluation testing.

Supported Hardware

Impulse 300E

Update Information

Current Release File Names:	IMPULSE300E_1.5.2.tar
Release Number:	1.5.2
Release Branch:	1.5.x

Resolved Issues

- | | |
|----------|--|
| SCP-845 | - Longer hostname causes the "Configure Network Services" button to be cut off |
| SCP-1026 | - ZIXI broadcaster detects CC errors on ZIXI output |
| SCP-1029 | - Audio data missing when using AC3 pass-through with encode or transcode processing |

Maintenance Release 1.5.1

The 1.5.1 release is a maintenance release for the Impulse 300E. 1.5.1 obsoletes any beta software builds that were previously provided. This software release resolves a number of issues reported during product development and customer evaluation testing.

Supported Hardware

Impulse 300E

Update Information

Current Release File Names:	IMPULSE300E_1.5.1.tar
Release Number:	1.5.1
Release Branch:	1.5.x

Resolved Issues

SCP-961 - SRT output stops transmitting after several days

Feature Release 1.5.0

The 1.5.0 release is a maintenance release for the Impulse 300E. 1.5.0 obsoletes any beta software builds that were previously provided. This software release resolves a number of issues reported during product development and customer evaluation testing.

What's New in v1.5.0

- Centra Manage Support
- Audio Language Descriptor Selection

Note: *New unlicensed features that were added will automatically show up and be available in the user interfaces. No additional licenses need to be purchased to support these features. New hardware support requires the purchase of the new hardware options in order to gain functionality.*

Supported Hardware

Impulse 300E

Update Information

Current Release File Names:	IMPULSE300E_1.5.0.tar
Release Number:	1.5.0
Release Branch:	1.5.x

Resolved Issues

SCP-1000 - Audio and Video goes out of sync with provided stream

Maintenance Release 1.4.2

The 1.4.2 release is a maintenance release for the Impulse 300E. 1.4.2 obsoletes any beta software builds that were previously provided. This software release resolves a number of issues reported during product development and customer evaluation testing.

Note: *New unlicensed features that were added will automatically show up and be available in the user interfaces. No additional licenses need to be purchased to support these features. New hardware support requires the purchase of the new hardware options in order to gain functionality.*

Supported Hardware

Impulse 300E

Update Information

Current Release File Names:	IMPULSE300E_1.4.2.tar,
Release Number:	1.4.2
Release Branch:	1.4.x

Resolved Issues

- | | | |
|---------|---|---|
| SCP-881 | - | Lighttpd and TLS/SSL upgraded |
| SCP-935 | - | Audio skips on HD encode for dual AAC audio |
| SCP-939 | - | When Slate is active input, the output doesn't get restored after reboot |
| SCP-944 | - | No available MIBs for 8VSB and MPEG/IP output |
| SCP-945 | - | PID filter tab is available on the GUI |
| SCP-948 | - | PTS drift appears when using SDI input |
| SCP-949 | - | Discrepancy between actual and PRC-derived bitrate |
| SCP-950 | - | MPEG/IP output interrupted after long operation |
| SCP-955 | - | SNMP Traps not working |
| SCP-956 | - | When slate is selected as a backup input, slate bitrate increases after multiple failover |
| SCP-957 | - | PCR accuracy drifts after extended runtime on Slate input |
| SCP-958 | - | AC3 audio passthrough not working for SDI input |
| SCP-970 | - | The key length of the CSR file increased |
| SCP-978 | - | Device crashes after https certificate applied |

Maintenance Release 1.4.1

The 1.4.1 release is a maintenance release for the Impulse 300E. 1.4.1 obsoletes any beta software builds that were previously provided. This software release resolves a number of issues reported during product development and customer evaluation testing.

Note: *New unlicensed features that were added will automatically show up and be available in the user interfaces. No additional licenses need to be purchased to support these features. New hardware support requires the purchase of the new hardware options in order to gain functionality.*

Supported Hardware

Impulse 300E

Update Information

Current Release File Names:	IMPULSE300E_1.4.1.tar,
Release Number:	1.4.1
Release Branch:	1.4.x

Resolved Issues

- | | |
|---------|--|
| SCP-876 | - PMT and PAT repetition rate error when encoding and transcoding |
| SCP-878 | - MPEG-2 audio is out of sync with video |
| SCP-880 | - GUI becomes unresponsive when RIST output is configured for main profile mode and PSK encryption |
| SCP-885 | - When slate backup is activated, the PCR has accuracy and repetition errors |
| SCP-889 | - Slate output effective bitrate is under 1 Mbps |



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