



# Network Decoder

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## Product Release Notes

### Maintenance Release v1.6.1



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## About Sencore

Sencore is an engineering leader in the development of high-quality signal transmission solutions for the broadcast, cable, satellite, IPTV, telecommunications, and professional audio/video 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 meets the rapidly changing needs of modern media by ensuring the efficient delivery of high-quality video from the source to the home. For more information, visit [www.sencore.com](http://www.sencore.com).

## Revision History

| Date (DD/MM/YYYY) | Version | Description               | Author |
|-------------------|---------|---------------------------|--------|
| 17/06/2021        | 1.0     | 1.1.0 Feature Release     | RL     |
| 26/08/2021        | 1.1     | 1.1.1 Maintenance Release | RL     |
| 23/09/2021        | 1.2     | 1.2.0 Feature Release     | RL     |
| 09/11/2021        | 1.3     | 1.2.1 Maintenance Release | RL     |
| 29/07/2022        | 1.4     | 1.2.2 Maintenance Release | MX     |
| 03/10/2022        | 1.5     | 1.2.3 Maintenance Release | MX     |
| 03/02/2023        | 1.6     | 1.2.4 Maintenance Release | MX     |
| 05/07/2024        | 1.7     | 1.4.0 Feature Release     | CH     |
| 19/08/2024        | 1.8     | 1.4.1 Maintenance Release | CH     |
| 12/02/2025        | 1.9     | 1.5.0 Feature Release     | FF     |
| 04/02/2025        | 1.10    | 1.5.1 Maintenance Release | OC     |
| 07/30/2026        | 1.11    | 1.6.0 Feature Release     | MG     |
| 08/17/2026        | 1.12    | 1.6.1 Maintenance Release | SJR    |

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## Maintenance Release 1.6.1

The 1.6.1 release is a feature release for the Impulse 300D. Version 1.6.1 obsoletes the previous release versions and any beta software builds that may have been previously provided. This software is a feature release that adds new features and resolves a number of reported issues.

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**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.*

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## Update Information

Current Release File Names:     Impulse300D\_1.6.1.tar,

Release Number:                    1.6.1

Release Branch:                    1.6.x

## Resolved Issues

- |                |                                                                                     |
|----------------|-------------------------------------------------------------------------------------|
| Impulse300-770 | - Updated SRT library to version 1.5.6 to address CVE-2026-55868 and CVE-2026-55869 |
| Impulse300-773 | - Unit failed to upload/update software sometimes                                   |

## Feature Release 1.6.0

The 1.6.0 release is a feature release for the Impulse 300D. Version 1.6.0 obsoletes the previous release versions and any beta software builds that may have been previously provided. This software is a feature release that adds new features and resolves a number of reported issues.

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## What's New in v1.6.0

- HLS CMAF Support

## Update Information

Current Release File Names:      Impulse300D\_1.6.0.tar,

Release Number:                      1.6.0

Release Branch:                      1.6.x

## Resolved Issues

- |                |                                                                                                        |
|----------------|--------------------------------------------------------------------------------------------------------|
| Impulse300-744 | - HLS profile list may not appear on first connection attempt with some streams.                       |
| Impulse300-746 | - "Subsystem network status is abnormal" alarm triggers when ICMP is disabled on a network interface.  |
| Impulse300-747 | - Software update may not fully complete when "Subsystem Network status is abnormal" alert is present. |
| Impulse300-756 | - Closed captions are not embedded on SDI output after several hours with provided stream.             |
| Impulse300-761 | - HLS input shows "No Profile Selected" after days of decoding provided stream.                        |

## Feature Release 1.5.1

The 1.5.1 release is a maintenance release for the Impulse 300D. Version 1.5.1 obsoletes the previous release versions and any beta software builds that may have been previously provided. This software is maintenance release that resolves a number of reported issues.

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## Update Information

|                             |                        |
|-----------------------------|------------------------|
| Current Release File Names: | Impulse300D_1.5.1.tar, |
| Release Number:             | 1.5.1                  |
| Release Branch:             | 1.5.x                  |

## Resolved Issues

- |                |                                                                                     |
|----------------|-------------------------------------------------------------------------------------|
| Impulse300-625 | - IP output bitrate will be displayed on the front panel without IP output license. |
| Impulse300-629 | - The last reset date on SRT Statistics is incorrect.                               |
| Impulse300-692 | - Bitrate still displayed after disabling the SRT input.                            |
| Impulse300-695 | - "None" option for SNMP input src command will fail.                               |
| Impulse300-704 | - Disabling SRT doesn't work until rebooting the unit.                              |

## Feature Release 1.5.0

The 1.5.0 release is a feature release for the Impulse 300D. Version 1.5.0 obsoletes the previous release versions and any beta software builds that may have been previously provided. This software is featuring release that resolves a number of reported issues.

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## What's New in v1.5.0

- SRT Stream ID
- Support for Centra Manage

## Update Information

Current Release File Names: Impulse300D\_1.5.0.tar,

Release Number: 1.5.0

Release Branch: 1.5.x

## Resolved Issues

- |                 |                                                             |
|-----------------|-------------------------------------------------------------|
| Impulse300- 666 | - NTP time sync changed from 1 minute to 24 hours           |
| Impulse 300-712 | - Some HTTPS settings not available                         |
| Impulse 300-739 | - Installing the SSL certificate causes the device to crash |

## Maintenance Release 1.4.1

The 1.4.1 release is a maintenance release for the Impulse 300D. Version 1.4.1 obsoletes the previous release versions and any beta software builds that may have been previously provided. This software is maintenance release that resolves a number of reported issues.

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## Update Information

|                             |                        |
|-----------------------------|------------------------|
| Current Release File Names: | Impulse300D_1.4.1.tar, |
| Release Number:             | 1.4.1                  |
| Release Branch:             | 1.4.x                  |

## Resolved Issues

Impulse300-702      -   Added support for Dynamic URI-Header Decryption on HLS Inputs.

## Feature Release 1.4.0

The 1.4.0 release is a feature release for the Impulse 300D. Version 1.4.0 obsoletes the previous release versions and any beta software builds that may have been previously provided. This software is a feature release that adds new features and resolves several reported issues.

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### What's New in v1.4.0

- Dolby Audio Pass-through on SDI and HDMI output
- HTTPS Support
- Network Services Configuration Menu
- RESTful API

### Update Information

|                             |                       |
|-----------------------------|-----------------------|
| Current Release File Names: | Impulse300D_1.4.0.tar |
| Release Number:             | 1.4.0                 |
| Release Branch:             | 1.4.x                 |

### Resolved Issues

|                |                                                                                      |
|----------------|--------------------------------------------------------------------------------------|
| Impulse300-607 | - Does not properly populate embedded PCM audio channel status bits (CSB) correctly. |
| Impulse300-610 | - Unable to set manual video output resolution via SNMP command.                     |
| Impulse300-627 | - HLS stream takes several minutes to read profiles with provided stream.            |
| Impulse300-662 | - Provided HLS stream has a long profile acquisition time.                           |
| Impulse300-663 | - Video macroblocking and audio mutes with provided HLS stream.                      |
| Impulse300-664 | - Provided ATSC stream causes unit to reboot after 24 hours.                         |
| Impulse300-667 | - SRT receive settings revert after a reboot.                                        |

- |                |                                                                                                          |
|----------------|----------------------------------------------------------------------------------------------------------|
| Impulse300-669 | - SRT input setting changes do not always apply.                                                         |
| Impulse300-671 | - Provided HD HEVC stream was not decoded cleanly.                                                       |
| Impulse300-672 | - SNMP OID for digital audio output settings is not working.                                             |
| Impulse300-677 | - Native video resolution displayed as 1920x540i 59.94 instead of 1920x1080i 29.97 with provided stream. |
| Impulse300-685 | - Provided stream with HD 25 fps video detected as 30 fps.                                               |
| Impulse300-688 | - ZIXI streamID setting doesn't apply.                                                                   |
| Impulse300-693 | - Constant video macroblocking with provided SRT stream.                                                 |

## Maintenance Release 1.2.4

The 1.2.4 release is a maintenance release for the Impulse 300D. Version 1.2.4 obsoletes the previous release versions and any beta software builds that may have been previously provided. This software release adds several features and resolves a number of issues reported during product development and customer evaluation testing.

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### What's New in v1.2.4

- Launch new V7 hardware.

### Update Information

|                             |                        |
|-----------------------------|------------------------|
| Current Release File Names: | Impulse300D_1.2.4.tar, |
| Release Number:             | 1.2.4                  |
| Release Branch:             | 1.2.x                  |

### Resolved Issues

- |                |                                                                                          |
|----------------|------------------------------------------------------------------------------------------|
| Impulse300-665 | - Update this software for support the new V7 hardware and improve the device stability. |
|----------------|------------------------------------------------------------------------------------------|

## Maintenance Release 1.2.3

The 1.2.3 release is a maintenance release for the Impulse 300D. Version 1.2.3 obsoletes the previous release versions and any beta software builds that may have been previously provided. This software release adds several features and resolves a number of issues reported during product development and customer evaluation testing.

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### What's New in v1.2.3

- SNMP support

### Update Information

|                             |                        |
|-----------------------------|------------------------|
| Current Release File Names: | Impulse300D_1.2.3.tar, |
| Release Number:             | 1.2.3                  |
| Release Branch:             | 1.2.x                  |

### Resolved Issues

- |                |                                                                                                         |
|----------------|---------------------------------------------------------------------------------------------------------|
| Impulse300-657 | - Changing any setting in non-active inputs would cause HLS or MPEG/IP receive failure for few seconds. |
| Impulse300-654 | - SDI left and right channels are opposite.                                                             |
| Impulse300-652 | - Adding support for V6A HW (GD32)                                                                      |

## Maintenance Release 1.2.2

The 1.2.2 release is a maintenance release for the Impulse 300D. Version 1.2.2 obsoletes the previous release versions and any beta software builds that may have been previously provided. This software release adds several features and resolves a number of issues reported during product development and customer evaluation testing.

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### Update Information

Current Release File Names:      Impulse300D\_1.2.2.tar,

Release Number:                      1.2.2

Release Branch:                        1.2.x

### Resolved Issues

- |                |                                                                            |
|----------------|----------------------------------------------------------------------------|
| Impulse300-571 | - Service list doesn't contain service name (Specific stream               |
| Impulse300-608 | - The unit doesn't receive/ decode RTMP stream (Specific stream)           |
| Impulse300-623 | - The unit doesn't receive/ decode HLS stream (Specific stream)            |
| Impulse300-575 | - The front panel (Error) warning light does not match the actual warning. |
| Impulse300-572 | - The unit does not recognize whether the channel is FTA or encrypted.     |
| Impulse300-556 | - Restart of the unit when RTMP input is used causes signal loss.          |
| Impulse300-584 | - Support of new PHY chipset.                                              |

## Maintenance Release 1.2.1

The 1.2.1 release is a maintenance release for the Impulse 300D. Version 1.2.1 obsoletes the previous release versions and any beta software builds that may have been previously provided. This software release adds several features and resolves a number of issues reported during product development and customer evaluation testing.

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### Update Information

|                             |                        |
|-----------------------------|------------------------|
| Current Release File Names: | Impulse300D_1.2.1.tar, |
| Release Number:             | 1.2.1                  |
| Release Branch:             | 1.2.x                  |

### Resolved Issues

- |                |                                                                                                        |
|----------------|--------------------------------------------------------------------------------------------------------|
| Impulse300-568 | - PID lock mode causes decoding issue(macroblocking, glitches)                                         |
| Impulse300-569 | - Decoding any of service that are part of MPTS causes decoding problem                                |
| Impulse300-570 | - Zixi Connection/TS Sync False Alarms                                                                 |
| Impulse300-575 | - Frame rate is incorrectly identified, resulting in a flickering screen when decoding output to HDMI. |

## Feature Release 1.2.0

The 1.2.0 release is a feature release for the Impulse 300D. Version 1.2.0 obsoletes the previous release versions and any beta software builds that may have been previously provided. This software release adds several features and resolves a number of issues reported during product development and customer evaluation testing.

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### What's New in v1.2.0

- Input: RTMP/RTMPS
- Service Selection: Auto seek, Service Lock, PID Lock
- Additional Features: Closed Caption, Closed Caption Overlay
- General Features: SSH Tunnel, IP tables

### Update Information

|                             |                        |
|-----------------------------|------------------------|
| Current Release File Names: | Impulse300D_1.2.0.tar, |
| Release Number:             | 1.2.0                  |
| Release Branch:             | 1.2.x                  |

### Resolved Issues

|                |                                                                                                                                                  |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Impulse300-172 | - TR101 290 Priority 1 and Priority 2 errors: PAT/PMT errors, PCR accuracy error and PCR interval error for HLS input converted into UDP output. |
| Impulse300-533 | - SD-SDI VBI line 21 captions doesn't work.                                                                                                      |
| Impulse300-408 | - HLS stream can be received only from the first network port.                                                                                   |
| Impulse300-546 | - Lack of possibility to decode audio program. (IP UDP output works)                                                                             |

## Maintenance Release 1.1.1

The 1.1.1 release is a maintenance release for the Impulse 300D. Version 1.1.1 obsoletes the previous release versions and any beta software builds that may have been previously provided. This software release adds several features and resolves a number of issues reported during product development and customer evaluation testing.

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## Update Information

Current Release File Names:     Impulse300D\_1.1.1.tar,

Release Number:                    1.1.1

Release Branch:                    1.1.x

## Resolved Issues

Impulse 300D Issues:

- Impulse300-502                    -   Decoding crashes on SDI/HDMI/CVBS outputs after around 10-12 days. Reboot required to make unit decodes again.

## Feature Release 1.1.0

The 1.1.0 release is a feature release for the Impulse 300D. Version 1.1.0 obsoletes the previous release versions and any beta software builds that may have been previously provided. This software release adds several features and resolves a number of issues reported during product development and customer evaluation testing.

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### What's New in v1.1.0

- ZIXI input.
- CVBS output
- Analog Audio
- Licensing

### Update Information

|                             |                        |
|-----------------------------|------------------------|
| Current Release File Names: | Impulse300D_1.1.0.tar, |
| Release Number:             | 1.1.0                  |
| Release Branch:             | 1.1.x                  |

### Resolved Issues

- |                |                                                                         |
|----------------|-------------------------------------------------------------------------|
| Impulse300-373 | - SDI audio output stuttering                                           |
| Impulse300-413 | - Edge burr will exist on 4K HDMI output when input 4K signal with text |
| Impulse300-314 | - The output resolution is displayed as N/A                             |
| Impulse300-418 | - Bandwidth display is 0bps when input normal HLS stream                |
| Impulse300-344 | - Problem with HLS(HTTPS) reception                                     |



- |                |                                                                                      |
|----------------|--------------------------------------------------------------------------------------|
| Impulse300-399 | - 300D outputs 1080p50 on auto mode even if the input is 1080i25                     |
| Impulse300-453 | - SDI screen is divided into 4 parts                                                 |
| Impulse300-432 | - Sometimes HLS can't receive the AES encrypted stream.                              |
| Impulse300-324 | - Switch the output network port, sometimes port 2 doesn't have TS data output       |
| Impulse300-387 | - With active HLS receive, system will default to lowest bitrate profile with reboot |
| Impulse300-403 | - Occasionally failed upgrade                                                        |
| Impulse300-430 | - Input Stream with AC3 Audio decode output SDI with noise.                          |
| Impulse300-445 | - Decoding is slow when restarting after power off, it takes more than two minutes   |
| Impulse300-446 | - Some browsers cannot enter the network management system.                          |
| Impulse300-455 | - lip sync problem                                                                   |

