
TOA JUST:IN MAC LITE NDI BOILERPLATE

**Additional information about the just:in mac lite NDI Capture Solution for macOS.
To be used for RFI, RFP or Web Shop descriptions.**

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1 Change Log:

Date	Version	Changed by	Changes
14.10.2024	1.4	MGR	Updates/changes: <ul style="list-style-type: none"> Updated feature set and compatibility matrix for macOS Sequoia Added Workflow Diagram
02.09.2024	1.3	MGR	Updates/changes: <ul style="list-style-type: none"> Revised descriptions for better readability Updated specifications and descriptions to reflect the current software release.
02.09.2024	1.3	MGR	Updates/changes: <ul style="list-style-type: none"> Revised descriptions for better readability Updated specifications and descriptions to reflect the current software release.
27.07.2024	1.2	MGR	Updates/changes: <ul style="list-style-type: none"> Updated TOC Sections for better readability Revised descriptions for better readability Updated specifications and descriptions to reflect the current software release.
12.09.2020	1.1	MGR	Updates/changes: <ul style="list-style-type: none"> Updated TOC Sections for better readability Revised descriptions for better readability
13.07.2020	1.0	MGR	Initial Draft

2 Product Description **just:in mac lite NDI**

2.1 Title:

ToolsOnAir **just:in mac lite NDI** – simplified up to 8 channels NDI® capture solution for macOS.

2.2 SKU:

Licenses: JIML-NDI (online purchase only)

2.3 Ideal for:

- Recording up to 8 channels of SD, HD, or UHD resolutions on a qualified Apple silicon Mac, with growing file support, in one flexible, single-application solution on macOS.
- Support for NDI® High Bandwidth /HX3 input sources.
- Crash and Schedule recordings with growing file support (refer to NLE Vendor codec/container compatibility).
- Remote control using the powerful REST API for third-party based integrations.

2.4 Description:

just:in mac lite NDI is a streamlined media capture solution designed specifically for macOS. It lets you record up to 8 channels of HD or UHD video on an Apple silicon Mac, from NDI® High Bandwidth/HX3 format sources, including growing file support and using either Crash or Schedule recording modes. For remote operations or third-party automation scenarios, it features a comprehensive and easily accessible REST API.

2.5 Concept:

Seamlessly integrating into the production workflow of any TV station, Event- or post-production facility **just:in mac lite NDI** captures up to 8 video sources directly into MOV, MXF OP1a and MP4 containers with support for Apple ProRes, XDCAM HD 422, HEVC and H.264 codecs. **just:in mac lite NDI** unites single and multichannel recording into one flexible NDI format capture solution.

2.6 Reliability & Flexibility:

Ideal for smaller production environments or educational institutions, **just:in mac lite NDI** ensures reliable performance on macOS platforms, leveraging the power of Apple's hardware. With essential functionalities focused on simplicity and efficiency, **just:in mac lite NDI** empowers users to capture media content effortlessly, making it an excellent choice for those needing a straightforward, powerful and budget-friendly capture solution on macOS. Featuring multiple destinations for either parallel recording or out-of-storage/network connection loss prevention scenarios, **just:in mac lite NDI** ensures that your recordings are compliant to broadcast standards, safe and secure. It is also ideal for growing file editing in combination with industry standard NLEs such as Adobe Premiere Pro or Apple Final Cut Pro (please refer to NLE vendor codec/container compatibility).

By using the **TOA REST API** to remotely control the **just:in mac lite NDI** solution, customers, and system integrators gain the flexibility to integrate **just:in mac lite NDI** into existing media infrastructures with ease.

2.7 Product Deployment:

just:in mac lite NDI is a single application capture solution for macOS. With the built-in video and audio previews and the single/multichannel control application, the operator can control all available capture channels from a single interface. The deployment and configuration of the **just:in mac lite NDI** solution is straightforward and intuitive and consists of one application, which can be easily installed via Drag-and-Drop, from the DMG package, in the specific “**Applications**” folder of the corresponding Apple silicon-based Mac.

The **just:in mac lite NDI** application features a configuration panel (“**Configuration**”), which is used to perform all **Channels**-related settings, such as creating or modifying all kinds of Presets (Capture, Destination, Naming).

The **just:in mac lite NDI** application has access to the specific NDI® format sources and is responsible for the encoding processes and for writing the video files to the chosen destination(s).

2.8 Key Features:

- Record up to 8 channels of SD, HD, or UHD video on a qualified Apple silicon-based Mac
- Frame accurate Crash, Schedule as well as Split-While-Recording.
- Growing File Support in Adobe Premiere Pro, Final Cut Pro (refer to NLE Vendor codec/container compatibility).
- NDI® High Bandwidth/HX3 Format Sources support.
- Broadcast Standard Format and Container Support (MOV, MXF, MP4).
- Timecode support for: Computer Time, LTC over Audio (over USB device).
- Closed Captioning support.
- Dropped Frames Strategy.
- TOA REST API for remote control and third-party integration flexibility.

3 Technical Data (Supported Containers & Codecs):

3.1 QuickTime (PAL, NTSC, HD, UHD/4K):

- Apple ProRes 422, LT, Proxy, HQ
- Apple ProRes 4444 (with alpha)
- H.264
- HEVC (H.265)
- Supported frame rates: 23.976, 24, 25, 29.97, 30, 50, 59.94, 60

3.2 MXF (PAL, NTSC, HD, UHD/4K):

- XDCAM HD 422 (50)
- Supported frame rates: 23.976, 24, 25, 29.97, 30, 50, 59.94, 60

3.3 MP4 (PAL, NTSC, HD, UHD/4K):

- H.264
- Supported frame rates: 23.976, 24, 25, 29.97, 30, 50, 59.94, 60

4 System Requirements

- Apple Mac mini, iMac, Mac Studio, Mac Pro 2023 – Apple silicon recommended.
- Apple macOS Ventura, macOS Sonoma, macOS Sequoia are recommended.
- For detailed system requirements, please consult the online user manual or contact ToolsOnAir at <https://support.toolsonair.com>

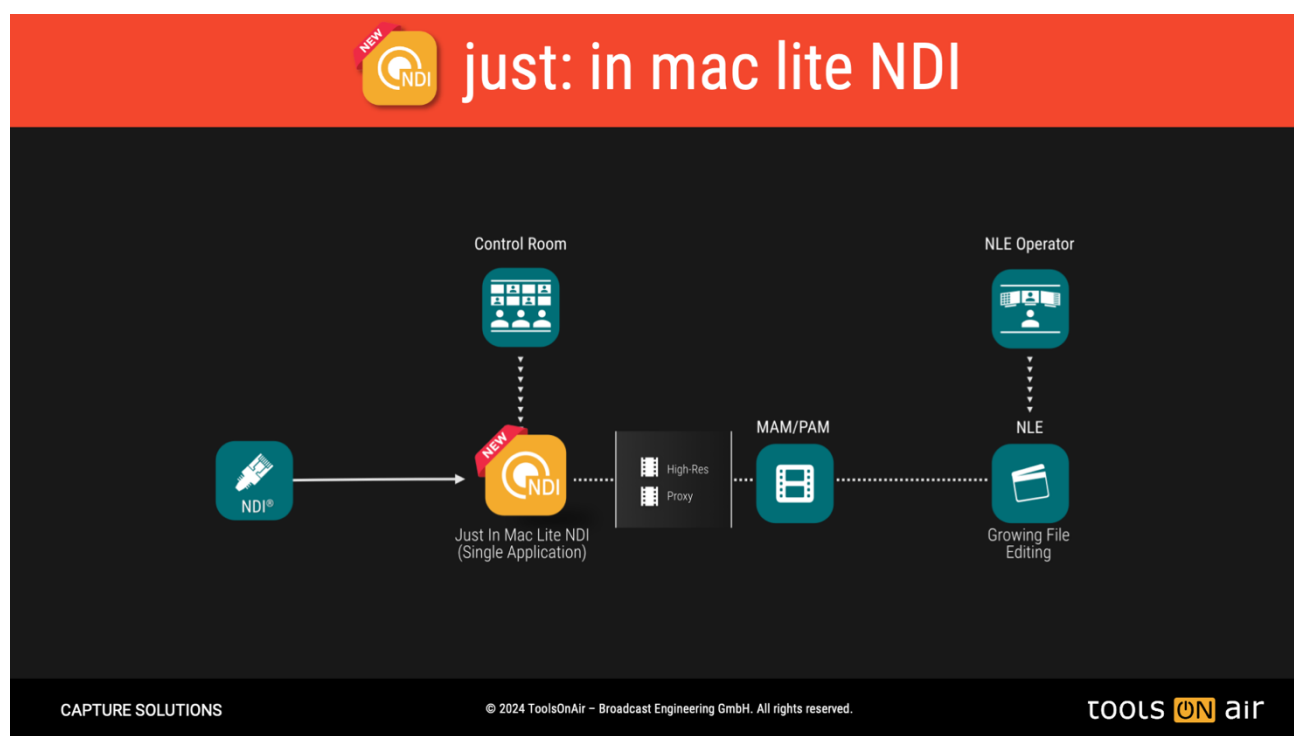
5 Compatibility Matrix

Version	macOS Sequoia (15.x)		macOS Sonoma (14.7.x)		macOS Ventura (13.7.x)		macOS Monterey (12.7.6)		macOS Big Sur (11.7.10)
6.5	Apple silicon		Apple silicon		Apple silicon		Apple silicon		Not available
	NDI® Format		NDI® Format		NDI® Format		NDI® Format		
	High Bandwidth	HX3	High Bandwidth	HX3	High Bandwidth	HX3	High Bandwidth	HX3	

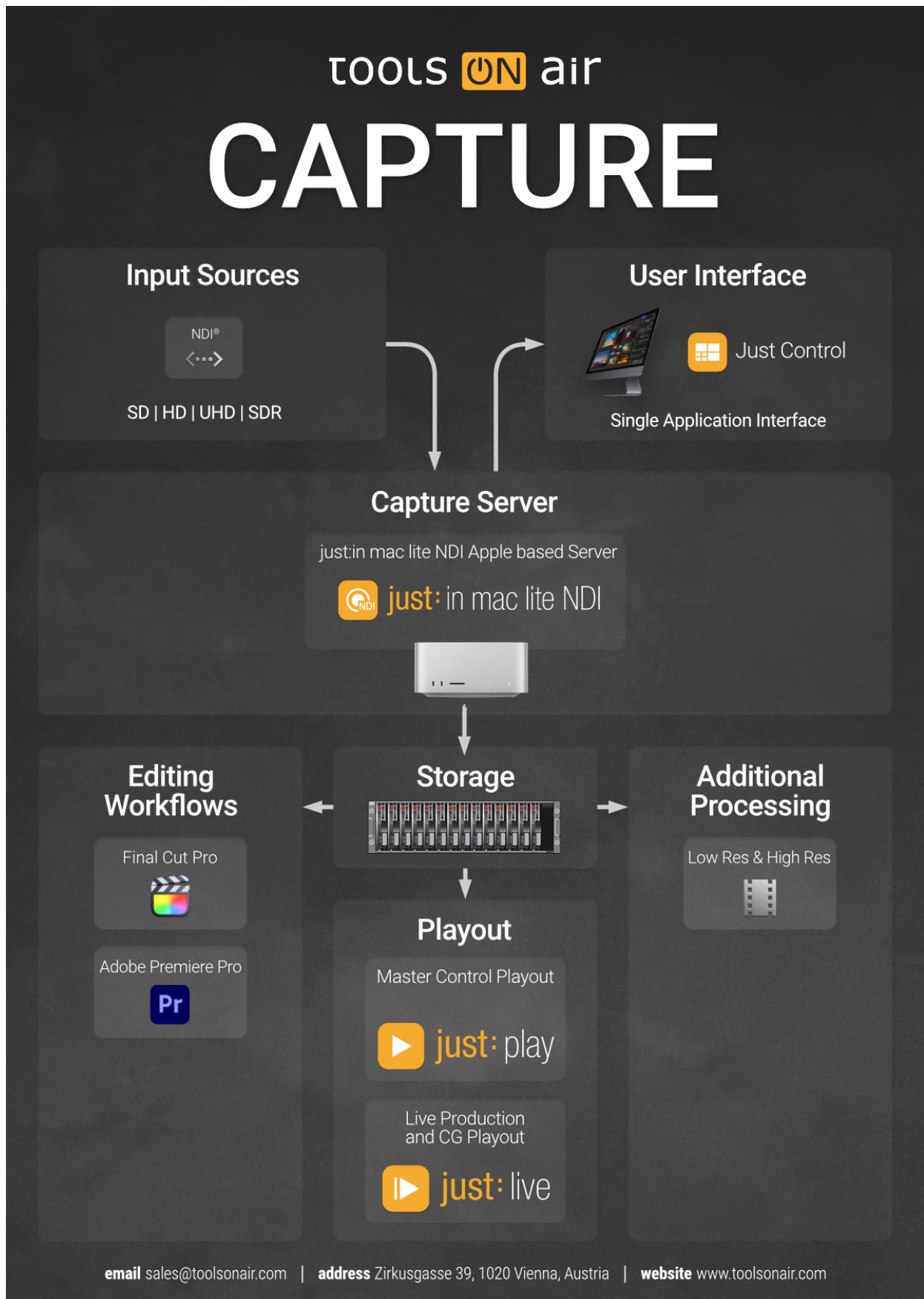
NOTE: All updates and upgrades mentioned are available to customers with an active support and software maintenance contract. To renew your maintenance contract, please contact sales@toolsnair.com

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6 Workflow Diagram



7 Workflow Overview



8 Related links and additional information:

ToolsOnAir Solutions Overview: <https://www.toolsonair.com/wp-content/uploads/overview.pdf>

just:in mac lite NDI Landing Page: <https://www.toolsonair.com/products/ingest/justin-mac-lite-ndi/>

just:in mac lite NDI Datasheet: <https://www.toolsonair.com/wp-content/uploads/datasheet.pdf>

just:in mac lite NDI Manuals: <https://toolsonair.atlassian.net/wiki/spaces/TST/pages/3653992449/just+in+mac+lite+NDI+v.6.x>

just:in mac lite NDI Tutorial Videos: https://www.youtube.com/playlist?list=PLicnJKzn2pLLHNaOEx_t0aXTuvyZ4ldO5