SYNESIS Version 9.5 Release Notes

2026-07-09 Version 9.5.3

Upgrading

We provide upgrade packages.

- Operation: Applying the 2 packages in this order.
  - Extra Upgrading Package
  - SYNESIS V9.5.3 Package
- Required Time: About 60-90 minutes.
- Existing Data and Settings: They will be kept.
- Applicable Version: All versions from 9.0.1 onwards. For earlier versions, recovery to 9.0.x is required before upgrading to 9.5.3.

Models of Upgrading Available

SYNESIS Portable		SYNESIS Distributed	
SYX-P-CB-20G-3	SYX-P-CB-100G-1	SYX-D-CB-2G-2	SYX-D-HCB-10G-4
SYX-P-CB-20G-3M	SYX-P-HPB-200G-2	SYX-D-CB-2G-3	SYX-D-CB-10G-3
SYX-P-CB-50G-1	SYX-P-HPB-200G-3	SYX-D-HCB-10G-1	SYX-D-CB-10G-4
SYX-P-CB-50G-1	SYX-P-CB-200G-1	SYX-D-HCB-10G-3	SYX-D-HPB-20G-4
SYX-P-CB-100G-1		SYX-D-HCB-10G-2	

P/Ns of Production Available

Control Unit P/N				Capture Module P/N
SYxB-2GP3	SYxB-50GP2	SYxB-2GR4-C	SYxB-10GR3-CMPR5*1	SYxC-1G2N1-HPL
SYxB-2GP4	SYxB-100GP3	SYxB-2GR4-CP	SYxB-10GR3	SYxC-1G4I1-LE
SYxB-4GP2	SYxB-100GP4	SYxB-2GR4-CT	SYxB-10GR3-T	SYxC-1G4N2-HP
SYxB-4GP3	SYxB-200GP2	SYxB-8GR2-C	SYxB-10GR4	SYxC-10G2N1-LE
SYxB-10GP3	SYxB-200GP3	SYxB-10GR1-C*1	SYxB-10GR4-T	SYxC-10G2N1-HP
SYxB-20GP2	SYxB-200GP4	SYxB-10GR1-CMP*1	SYxB-20GR2*1	SYxC-10G4N2-HP
SYxB-20GP1-R10	SYxB-400GP1	SYxB-10GR1-CMPR5*1	SYxB-20GR3*1	SYxC-25G2N1-HPL
SYxB-20GP3		SYxB-10GR2-C*1	SYxB-100GR1	SYxC-25G4N1-HP
SYxB-20GP3-2D	SYxB-1GR1-CP	SYxB-10GR2-CMP*1	SYxB-200GR1	SYxC-100G2N2-HP
SYxB-40GP2	SYxB-2GR2-C	SYxB-10GR2-CMPR5*1		SYxC-200G2N1-HP
SYxB-50GP1	SYxB-2GR2-CT	SYxB-10GR3-CMP*1		

*1 External storage can be expanded.

New Features

Supports SNMP Get responses using SNMPv3.

Fixed Issues

1) Fixed an issue where authentication failed when using external RADIUS/PAP authentication during SYNESIS GUI login if the password exceeded 16 bytes. [#2421]
   - ✧ This issue occurred in all versions since 4.0.
2) The vulnerabilities were mitigated by disabling the kernel modules associated with Copy Fail (CVE-2026-31431) and Dirty Flag (CVE-2026-43284, CVE-2026-43500).
3) Fixed an issue where post-analysis using a combination of RTP stream analysis and other analysis functions would result in analysis failures or the inability to stop the analysis.
   - ✧ This issue occurred in version 9.5.2.

Specification Changes Since Version 9.5.2

The specifications of FeedService Checker have been changed as follows.

- ✧ FeedServiceErrorChecker

  If "no new logs have been added to the FeedService log for more than 15 minutes" and "the FeedService is not in a state of waiting for client connections," the FeedServiceErrorChecker will forcibly kill the FeedService process and send a Trap. [#21721] solution
- ✧ FeedServiceErrorChecker / FeedServiceRestartChecker

  The SNMP trap destination has been changed to be explicitly configurable via parameters.

2026-01-19 Version 9.5.2

Upgrading

We provide upgrade packages.

- Operation: Applying the 2 packages in this order.
  - Extra Upgrading Package
  - SYNESIS V9.5.2 Package
- Required Time: About 60-90 minutes.
- Existing Data and Settings: They will be kept.
- Applicable Version: All versions from 9.0.1 onwards. For earlier versions, recovery to 9.0.x is required before upgrading to 9.5.2.

Models of Upgrading Available

SYNESIS Portable		SYNESIS Distributed	
SYX-P-CB-20G-3	SYX-P-CB-100G-1	SYX-D-CB-2G-2	SYX-D-HCB-10G-4
SYX-P-CB-20G-3M	SYX-P-HPB-200G-2	SYX-D-CB-2G-3	SYX-D-CB-10G-3
SYX-P-CB-50G-1	SYX-P-HPB-200G-3	SYX-D-HCB-10G-1	SYX-D-CB-10G-4
SYX-P-CB-50G-1	SYX-P-CB-200G-1	SYX-D-HCB-10G-3	SYX-D-HPB-20G-4
SYX-P-CB-100G-1		SYX-D-HCB-10G-2	

P/Ns of Production Available

Control Unit P/N				Capture Module P/N
SYxB-2GP3	SYxB-50GP1	SYxB-2GR2-C	SYxB-10GR2-CMP*1	SYxC-1G2N1-HPL
SYxB-2GP4	SYxB-50GP2	SYxB-2GR2-CT	SYxB-10GR2-CMPR5*1	SYxC-1G4I1-LE
SYxB-4GP2	SYxB-100GP3	SYxB-2GR4-C	SYxB-10GR3-CMP*1	SYxC-1G4N2-HP
SYxB-4GP3	SYxB-100GP4	SYxB-2GR4-CP	SYxB-10GR3-CMPR5*1	SYxC-10G2N1-LE
SYxB-10GP3	SYxB-200GP2	SYxB-2GR4-CT	SYxB-10GR3	SYxC-10G2N1-HP
SYxB-20GP2	SYxB-200GP3	SYxB-8GR2-C	SYxB-10GR3-T	SYxC-10G4N2-HP
SYxB-20GP1-R10	SYxB-200GP4	SYxB-10GR1-C*1	SYxB-10GR4	SYxC-25G2N1-HPL
SYxB-20GP3		SYxB-10GR1-CMP*1	SYxB-10GR4-T	SYxC-25G4N1-HP
SYxB-20GP3-2D		SYxB-10GR1-CMPR5*1	SYxB-20GR2*1	SYxC-100G2N2-HP
SYxB-40GP2		SYxB-10GR2-C*1	SYxB-20GR3*1	SYxC-200G2N1-HP

*1 External storage can be expanded.

New Features

Added RTP stream analysis feature.
This new feature enables the visualization and objective evaluation of video and audio quality over networks, streamlining quality management and troubleshooting for broadcasters, production facilities, and telecommunications providers.

Known issues introduced in this version

1) In packet replay using a capture session as the source, packets are sometimes not transmitted in order.
   - ✧ This issue occurs in version 3.5 and later.
2) When specifying “Original Speed” for “Stream” in a packet replayer profile using a capture session as the source, packets are sometimes not transmitted at the correct packet interval.
   - ✧ This issue occurs in version 3.5 and later.

2025-12-09 Version 9.5.1

Upgrading

We provide 2 types of upgrading methods, Upgrading Package and Recovery Media.

	Upgrading Package	Recovery Media
Operation	Applying the 2 packages in this order. 1. Extra Upgrading Package 2. SYNESIS V9.5 Package	Performing the system recovery.
Required Time	About 60-90 minutes.	About 90-120 minutes.
Existing Data and Settings	They will be kept.	They will be lost. However, it is possible to inherit configuration by using the system backup/restore function.
Applicable Version	V9.0.1 or later	All versions
Applicable Model	The models listed in the next section.	

Models of Upgrading Available

SYNESIS Portable		SYNESIS Distributed	
SYX-P-CB-20G-3	SYX-P-CB-100G-1	SYX-D-CB-2G-2	SYX-D-HCB-10G-4
SYX-P-CB-20G-3M	SYX-P-HPB-200G-2	SYX-D-CB-2G-3	SYX-D-CB-10G-3
SYX-P-CB-50G-1	SYX-P-HPB-200G-3	SYX-D-HCB-10G-1	SYX-D-CB-10G-4
SYX-P-CB-50G-1	SYX-P-CB-200G-1	SYX-D-HCB-10G-3	SYX-D-HPB-20G-4
SYX-P-CB-100G-1		SYX-D-HCB-10G-2	

P/Ns of Production Available

Control Unit P/N				Capture Module P/N
SYxB-2GP3	SYxB-50GP1	SYxB-2GR2-C	SYxB-10GR2-CMP*1	SYxC-1G2N1-HPL
SYxB-2GP4	SYxB-50GP2	SYxB-2GR2-CT	SYxB-10GR2-CMPR5*1	SYxC-1G4I1-LE
SYxB-4GP2	SYxB-100GP3	SYxB-2GR4-C	SYxB-10GR3-CMP*1	SYxC-1G4N2-HP
SYxB-4GP3	SYxB-100GP4	SYxB-2GR4-CP	SYxB-10GR3-CMPR5*1	SYxC-10G2N1-LE
SYxB-10GP3	SYxB-200GP2	SYxB-2GR4-CT	SYxB-10GR3	SYxC-10G2N1-HP
SYxB-20GP2	SYxB-200GP3	SYxB-8GR2-C	SYxB-10GR3-T	SYxC-10G4N2-HP
SYxB-20GP1-R10	SYxB-200GP4	SYxB-10GR1-C*1	SYxB-10GR4	SYxC-25G2N1-HPL
SYxB-20GP3		SYxB-10GR1-CMP*1	SYxB-10GR4-T	SYxC-25G4N1-HP
SYxB-20GP3-2D		SYxB-10GR1-CMPR5*1	SYxB-20GR2*1	SYxC-100G2N2-HP
SYxB-40GP2		SYxB-10GR2-C*1	SYxB-20GR3*1	SYxC-200G2N1-HP

*1 External storage can be expanded.

New Features

Enabled the use of SNMPv3 for SNMP trap notifications.

Fixed Issues

1) Fixed an issue where the lock trigger via SNMP trap was not functioning. [#1466, #1726]
   - ✧ This issue occurred in version 9.0.
2) Fixed an issue where packet drops were sometimes recorded during the first few seconds after capture began. [#1023]
   - ✧ Under certain conditions, packet drops may still occur immediately after capture begins.
   - ✧ This issue occurred in all versions since 3.0.
3) Fixed an exception handling issue related to abnormalities occurring during FeedService's continuous read processing (e.g., rare memory acquisition failures).
   - ✧ This issue occurred in all versions since 6.0.
4) Resolved various vulnerabilities, including sudo vulnerabilities (CVE-2025-32462, 32463).