

# EPU-D 1.23

## Release Notes

PN 1553209

Revision A • April 2025

Limited Rights

# Copyright and Trademarks

## Technical Publications

Technical Publications Team - Hillsboro

Copyright © 2025 by FEI Company, a part of Thermo Fisher Scientific. The information and materials contained herein are proprietary to Thermo Fisher and are provided for your organization's internal use on a need-to-know basis. They cannot be duplicated, published, or disseminated to any third party without the express written consent of Thermo Fisher.

## Trademark Acknowledgments

All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified. FEI and the FEI logo are registered trademarks of FEI Company (part of Thermo Fisher Scientific and its affiliates). All other trademarks belong to their respective owners.

Excel and Microsoft are registered trademarks of Microsoft Corporation.

## Limited Rights

The following notice applies to the U.S. Government and other purchases with federal funds:

Contractor Name: Thermo Fisher Scientific

Contractor Address: 5350 NE Dawson Creek Drive, Hillsboro OR 97124

The Government's rights to use, modify, reproduce, release, perform, display, or disclose these technical data are restricted to those rights specified in DFARS 252.227-7015(b)(2), FAR 52.227-14(g)(2)(Alternate II) and FAR 12.211. Any reproduction of technical data or portions thereof marked with this legend must also reproduce the markings. Any person, other than the Government, who has been provided access to such data, must promptly notify the above named Contractor.

## Document History

Rev A, April 2025

# Introduction

## Purpose

This document describes the Thermo Scientific EPU-D software releases.

## Audience and scope

These release notes are intended for users of the Thermo Scientific EPU-D software and those who manage the installation of Thermo Scientific EPU-D software on the microscope computer.

This document describes the content of the most recent and few historic EPU-D releases.

## Hardware Requirements

The EPU-D software can be used on the Microscope PC of Thermo Scientific and FEI TEM systems that are equipped with the MicroED Package and a compatible camera. See the release specific chapters below for a specification of the supported TEM Server software versions and cameras.

## System, Software and Configuration Compatibility

The following tables show the compatible microscope software versions, the preferred EPU-D software versions per microscope software version, and the system configuration compatibility.

Although the EPU-D software is backward compatible with a limited range of microscope software versions, some of the new features and improvements may be available only for the most recent supported microscope software version(s).

### Preferred EPU-D Version per Microscope Software Version

Titan	Talos	EPU-D	Remarks
3.19 - 3.24	2.19 - 2.24	1.23	
3.18	2.18	1.22	
3.17	2.17	1.21	
3.16	2.16	1.20	

Titan	Talos	EPU-D	Remarks
3.15	2.15	1.19	
3.14	2.14	1.18	
3.13	2.13	1.17	
3.12	2.12	1.16	
3.11	2.11	1.15	
3.10	2.10	1.14	
3.9	2.9	1.13	
3.8	2.8	1.12	
3.7	2.7	1.11	
3.6	2.6	1.10	
3.5	2.5	1.9	
3.4	2.4	1.8.1	
3.3	2.3	1.7	
3.2	2.2	1.6	
3.0 - 3.1	2.0 - 2.1	1.5	
2.15	1.15	1.8.1	

## Compatible Microscope Software Versions per EPU-D Version

EPU-D	Titan	Talos	Remarks
1.23	3.19 - 3.24	2.19 - 2.24	
1.22	3.18 - 3.23	2.18 - 2.23	

EPU-D	Titan	Talos	Remarks
1.21	3.17 - 3.22	2.17 - 2.22	
1.20	3.16 - 3.21	2.16 - 2.21	
1.19	3.15 - 3.20	2.15 - 2.20	
1.18	3.14 - 3.19	2.14 - 2.19	
1.17	3.13 - 3.18	2.13 - 2.18	
1.16	3.12 - 3.17	2.12 - 2.17	
1.15	3.11 - 3.16	2.11 - 2.16	
1.14	3.10 - 3.15	2.10 - 2.15	
1.13	3.9 - 3.14	2.9 - 2.14	
1.12	3.8 - 3.13	2.8 - 2.13	
1.11	3.7 - 3.12	2.7 - 2.12	
1.10	3.6 - 3.11	2.6 - 2.11	
1.9	3.5 - 3.10	2.5 - 2.10	
1.8.1	2.15 3.4 - 3.9	1.15 2.4 - 2.9	Preferred over EPU-D 1.8
1.8	2.15 3.4 - 3.9	1.15 2.4 - 2.9	
1.7	2.15 3.3 - 3.8	1.15 2.3 - 2.8	
1.6	2.15 3.2 - 3.7	1.15 2.2 - 2.7	
1.5	2.15 - 3.6	1.15 - 2.6	

EPU-D	Titan	Talos	Remarks
1.4	2.15 - 3.5	1.15 - 2.5	
1.3	2.15 - 3.4	1.15 - 2.4	Not available for systems with Titan software.
1.2	2.15 - 3.3	1.15 - 2.3	Not available for systems with Titan software.

## Compatible Cameras for EPU-D

Camera, Sensor Package and Options	EPU-D	Remarks
Ceta-D	1.0 and later	Preferred Sensor Package. Included in the Micro-ED package.
Ceta-16M	1.0 and later	
Ceta Speed Enhancement (Ceta-2)	1.0 and later	The Speed Enhancement option is compatible with EPU-D, but EPU-D does not use the additional functionalities and performance of the Speed Enhancement option.

# EPU-D 1.23

The EPU-D 1.23 release does not introduce new features or major improvements. It maintains compatibility with new Titan and Talos software versions.

## Mandatory and Breaking Changes

None Identified.

## New Features

No (major) items.

## Improvements

No (major) items.