UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER
PURSUANT TO RULE 13a-16 OR 15d-16
UNDER THE SECURITIES EXCHANGE ACT OF 1934

For the month of November 2026

Commission File Number: 001-39461

NANO-X IMAGING LTD

Ofer Tech Park
94 Shlomo Shmeltzer Road
Petach Tikva
Israel 4970602
(Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F

Form 20-F ☒ Form 40-F ☐

CONTENTS

Adjournment of Special Shareholder Meeting

On November 25, 2026, Nano-X Imaging Ltd. (the "**Company**") convened its Special General Meeting of Shareholders (the "**Meeting**"), although, due to a lack of quorum, the Meeting was adjourned, without any business conducted. The reconvened Meeting will be held at the same time and place, on Wednesday, December 2, 2026 at 2:00 p.m. (Israel time), at the Company's offices at Ofer Tech Park, 94 Shlomo Shmeltzer Road, Petach Tikva, Israel 4970602.

Incorporation by Reference

The information contained in this Report of Foreign Private Issuer on Form 6-K is hereby incorporated by reference into the Company's Registration Statements on Form F-3 (File No. 333-294302), and Form S-8 (File No. 333-248322).

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

NANO-X IMAGING LTD
(Registrant)

Date: November 25, 2026

By: /s/ Erez Meltzer
Erez Meltzer
Chief Executive Officer and Board member