

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549

FORM 8-A

For Registration of Certain Classes of Securities
Pursuant to Section 12(b) or 12(g) of the
Securities Exchange Act

NANO-X IMAGING LTD

(EXACT NAME OF REGISTRANT AS SPECIFIED IN ITS CHARTER)

State of Israel
(State or other jurisdiction of incorporation)
Communications Center,
Neve Ilan, Israel
(Address of principal executive offices)

Not Applicable
(IRS Employer Identification No.)
9085000
(Zip Code)

Securities to be registered pursuant to Section 12(b) of the Act:

**Title of Each Class
to be so Registered**

Ordinary Shares, par value NIS 0.01 per share

**Name of Each Exchange on which
Each Class is to be Registered**

The NASDAQ Stock Market LLC

If this form relates to the registration of a class of securities pursuant to Section 12(b) of the Exchange Act and is effective pursuant to General Instruction A.(c) or (e), please check the following box.

If this form relates to the registration of a class of securities pursuant to Section 12(g) of the Exchange Act and is effective pursuant to General Instruction A.(d) or (e), please check the following box

If this form relates to the registration of a class of securities concurrently with a Regulation A offering, check the following box.

Securities Act registration statement or Regulation A registration statement file number to which this form relates: **333-240209**

Securities to be registered pursuant to Section 12(g) of the Act: None

INFORMATION REQUIRED IN REGISTRATION STATEMENT

Item 1. Description of Registrant's Securities to be Registered

The description of ordinary shares, par value NIS 0.01 per share, of NANO-X IMAGING LTD (the "Registrant") under the heading "Description of Share Capital," included in the Registrant's Registration Statement on Form F-1 originally filed with the Securities and Exchange Commission (the "Commission") on July 30, 2020 (Registration No. 333-240209), as amended from time to time (the "Registration Statement"), is hereby incorporated by reference herein. In addition, all of the above-referenced descriptions included in any prospectus relating to the Registration Statement filed with the Commission pursuant to Rule 424(b) under the Securities Act of 1933, as amended, and, upon filing, shall be deemed to be incorporated herein by reference.

Item 2. Exhibits

Under the Instructions as to Exhibits with respect to Form 8-A, no exhibits are required to be filed because no other securities of the Registrant are quoted on The NASDAQ Stock Market LLC and the securities registered hereby are not being registered pursuant to Section 12(g) of the Securities Exchange Act of 1934, as amended.

SIGNATURE

Pursuant to the requirements of Section 12 of the Securities Exchange Act of 1934, the registrant has duly caused this registration statement to be signed on its behalf by the undersigned, thereto duly authorized.

Dated: August 18, 2020

NANO-X IMAGING LTD

(Registrant)

By: /s/ Itzhak Maayan

Name: Itzhak Maayan

Title: Chief Financial Officer
