Registration No. 333-

# SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

# FORM S-8

REGISTRATION STATEMENT Under The Securities Act of 1933

# PIXELWORKS, INC.

(Exact name of registrant as specified in charter)

**Oregon** (State or other jurisdiction of

incorporation or organization)

91-1761992

(IRS Employer Identification Number)

8100 SW Nyberg Road, Suite 300, Tualatin, Oregon 97062 (503) 454-1750

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

PIXELWORKS, INC. 1997 STOCK INCENTIVE PLAN

PIXELWORKS, INC. 2001 NONQUALIFIED STOCK OPTION PLAN

Allen H. Alley
President and Chief Executive Officer
Pixelworks, Inc.
8100 SW Nyberg Road, Suite 300, Tualatin, Oregon 97062
(503) 454-1750

(Name, address, including zip code, and telephone number, including area code, of agent for service)

With copies to: Gregory E. Struxness, Esq. Ater Wynne LLP 222 S.W. Columbia, Suite 1800 Portland, Oregon 97201 (503) 226-1191

# **CALCULATION OF REGISTRATION FEE**

Title of Securities to Be Registered	Amount to Be Registered	Proposed Maximum Offering Price Per Share(1)	Proposed Maximum Aggregate Offering Price(1)	Amount of Registration Fee
Common Stock, par value \$.001 per share(2)	3,500,000 shares	\$9.42	\$32,970,000	\$3,033.24

- (1) Estimated solely for the purpose of calculating the registration fee. Pursuant to Rule 457(h)(1), the Proposed Maximum Offering Price amounts are based on the average of the high and low sales prices of the Registrant's Common Stock as reported on the Nasdaq National Market System on May 29, 2002.
- (2) The shares of common stock set forth in the Calculation of Registration Fee Table, and which may be offered pursuant to this Registration Statement, includes, pursuant to Rule 416 of the Securities Act of 1933, as amended, such additional number of shares of the Registrant's common stock that may become issuable as a result of any stock splits, stock dividends or similar event.

#### PART II

#### INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

## Item 3. Incorporation of Documents by Reference

The following documents are incorporated by reference into this Registration Statement:

- (a) Annual Report on Form 10-K for the year ended December 31, 2001 of Pixelworks, Inc. (the "Company") filed with the Securities and Exchange Commission (the "SEC") on March 25, 2002.
  - (b) Quarterly Report on Form 10-Q of the Company for the quarter ended March 31, 2002 filed with the SEC on May 15, 2002.
- (c) Current Report on Form 8-K of the Company filed with the SEC on January 29, 2002 and Amendment to Current Report on Form 8-K/A of the Company filed with the SEC on March 29, 2002.
  - (d) The Company's Registration Statement on Form 8-A filed with the SEC on April 10, 2000.
- (e) All documents filed by the Company with the SEC pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Securities Exchange Act of 1934 after the date of this Registration Statement and before the date of filing of a post-effective amendment to this Registration Statement stating that all securities offered have been sold or deregistering all securities then remaining unsold.

# Item 4. Description of Securities

Not applicable.

#### Item 5. Interests of Named Experts and Counsel

Not applicable.

#### Item 6. Indemnification of Directors and Officers

As an Oregon corporation the Company is subject to the Oregon Business Corporation Act (the "OBCA") and the exculpation from liability and indemnification provisions contained therein. Pursuant to Section 60.047(2) of the OBCA, Article V of the Company's Sixth Restated and Amended Articles of Incorporation (the "Restated Articles") eliminates the liability of the Company's directors to the Company or its shareholders, except for any liability related to breach of the duty of loyalty, actions not in good faith and certain other liabilities.

Section 60.387 et seq. of the OBCA allows corporations to indemnify their directors and officers against liability where the director or officer has acted in good faith and with a reasonable belief that actions taken were in the best interests of the corporation or at least not adverse to the corporation's best interests and, if in a criminal proceeding, the individual had no reasonable cause to believe the conduct in question was unlawful. Under the OBCA, corporations may not indemnify against liability in connection with a claim by or in the right of the corporation but may indemnify against the reasonable expenses associated with such claims. Corporations may not indemnify against breaches of the duty of loyalty. The OBCA mandates indemnifications against all reasonable expenses incurred in the successful defense of any claim made or threatened whether or not such claim was by or in the right of the corporation. Finally, a court may order indemnification if it determines that the director or officer is fairly and reasonably entitled to indemnification in view of all the relevant circumstances, whether or not the director or officer met the good faith and reasonable belief standards of conduct set forth in the statute.

2

The OBCA also provides that the statutory indemnification provisions are not deemed exclusive of any other rights to which directors or officers may be entitled under a corporation's articles of incorporation or bylaws, any agreement, general or specific action of the board of directors, vote of shareholders or otherwise.

The Company has entered into indemnity agreements with each of its executive officers and directors. Each agreement provides for indemnification of the indemnitee to the fullest extent by law.

# Item 7. Exemption from Registration Claimed

Not applicable.

## Item 8. Exhibits

Number	Description

- 23.1 Consent of Ater Wynne LLP (included in legal opinion filed as Exhibit 5.1)
- 23.2 Consent of KPMG LLP
- 24.1 Powers of Attorney (included in signature page in Part II of the Registration Statement)

## Item 9. Undertakings

The undersigned Registrant hereby undertakes

- (a) To file, during any period in which offers or sales are being made, a post-effective amendment to this Registration Statement:
  - (i) to include any prospectus required by Section 10(a)(3) of the Securities Act;
  - (ii) to reflect in the prospectus any facts or events arising after the effective date of this Registration Statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in this Registration Statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20% change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement;
  - (iii) to include any material information with respect to the plan of distribution not previously disclosed in this Registration Statement or any material change to such information in this Registration Statement; provided, however, that subparagraphs (i) and (ii) do not apply if the information required to be included in a post-effective amendment by those subparagraphs is contained in periodic reports filed by the registrant pursuant to Section 13 or Section 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in the registration statement.
- (b) That, for the purpose of determining liability under the Securities Act, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered

3

therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

- (c) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.
- (d) That, for purposes of determining any liability under the Securities Act, each filing of the Registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Securities Exchange Act (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Exchange Act) that is incorporated by reference in this Registration Statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.
- (e) Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of the Registrant pursuant to the foregoing provisions, or otherwise, the Registrant has been advised that in the opinion of the SEC such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Registrant of expenses incurred or paid by a director, officer or controlling person of the Registrant in the successful defense of any action, suit or proceeding) is asserted by such a director, officer or controlling person in connection with securities being registered, the Registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

4

### **SIGNATURES**

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto authorized, in the City of Tualatin, State of Oregon, on the 30th day of May, 2002.

PIXELWORKS, INC.

By /s/ ALLEN H. ALLEY

Allen H. Alley
President and Chief Executive Officer

KNOW ALL MEN BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Allen H. Alley and Jeffrey B. Bouchard and each of them singly, as true and lawful attorneys-in-fact and agents with full power of substitution and resubstitution, for him and in his name, place and stead, in any and all capacities to sign the registration statement filed herewith and any or all amendments to said registration statement (including post-effective amendments), and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission granting unto said attorneys-in-fact and agents and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the foregoing, as fully to all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents or any of them, or their or his substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

Witness our hands on the date set forth below.

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

Signature	Date		
/s/ ALLEN H. A	ALLEY President, Chief Executive Officer Executive Officer)	and Director (Principal 5/30/02	
Allen H. Alley	Executive emest,		
/s/ JEFFREY E	B. BOUCHARD Vice President, Finance and Chief Financial and Accounting Officer)	Financial Officer (Principal 5/30/02	
Jeffrey B. Bouc			
/s/ OLIVER D.	. CURME	5/30/02	
Oliver D. Curme	ne Director		
/s/ MARK A. S	STEVENS	5/30/02	
Mark A. Steven	ens Director		
/s/ FRANK GIL	ILL	5/30/02	
Frank Gill	Director		
/s/ C. SCOTT	GIBSON	5/30/02	
C. Scott Gibsor	on Director		
	5		
	INDEX TO EXHIBITS		
Exhibit Number			
5.1	Opinion of Ater Wynne LLP as to the legality of the securities being registered		
23.1	Consent of Ater Wynne LLP (included in legal opinion filed as Exhibit 5.1)		
23.2	Consent of KPMG LLP		
24.1	Powers of Attorney (included in signature page in Part II of the Registration Statement)		

## QuickLinks

# PART II INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

Item 3. Incorporation of Documents by Reference

Item 4. Description of Securities

Item 5. Interests of Named Experts and Counsel

Item 6. Indemnification of Directors and Officers

Item 7. Exemption from Registration Claimed

Item 8. Exhibits

Item 9. Undertakings

SIGNATURES INDEX TO EXHIBITS

Exhibit 5.1

ATER WYNNE LLP 222 S.W. Columbia, Suite 1800 Portland, Oregon 97201 (503) 226-1191 (phone) (503) 226-0079 (fax)

May 30, 2002

Board of Directors Pixelworks, Inc. 8100 SW Nyberg Road, Suite 300 Tualatin, Oregon 97062

## Gentlemen:

In connection with the registration of 3,500,000 shares of common stock, par value \$.001 per share of Pixelworks, Inc., an Oregon corporation (the "Company"), under the Registration Statement on Form S-8 to be filed with the Securities and Exchange Commission on May , 2002, and the proposed offer and sale of the Common Stock pursuant to the terms of the Company's 2001 Nonqualified Stock Option Plan and the Company's 1997 Stock Incentive Plan, respectively (the "Plans"), we have examined such corporate records, certificates of public officials and officers of the Company and other documents as we have considered necessary or proper for the purpose of this opinion.

Based on the foregoing and having regard to legal issues which we deem relevant, it is our opinion that the shares of Common Stock to be offered pursuant to the Plans, when such shares have been delivered against payment therefor as contemplated by the Plans, will be validly issued, fully paid and non-assessable.

We hereby consent to the filing of this opinion as an exhibit to the above-mentioned registration statement.

Very truly yours,

Ater Wynne LLP

QuickLinks

Exhibit 5.1

Exhibit 23.2

## **CONSENT OF INDEPENDENT AUDITORS**

The Board of Directors and Shareholders Pixelworks, Inc.:

We consent to incorporation by reference in the Registration Statement on Form S-8 of Pixelworks, Inc. of our report dated January 16, 2002, relating to the consolidated balance sheets of Pixelworks, Inc. as of December 31, 2001 and 2000, and the related consolidated statements of operations, redeemable convertible preferred stock and shareholders' equity (deficit), and cash flows for each of the years in the three-year period ended December 31, 2001, which report appears in the December 31, 2001 annual report on Form 10-K of Pixelworks, Inc. and our report dated March 7, 2002, relating to the consolidated balance sheet of nDSP Delaware, Inc. as of December 31, 2001, and the related consolidated statements of operations, shareholders' equity (deficit) and cash flows for the year then ended, which report appears in the Form 8-K/A of Pixelworks, Inc. dated March 29, 2002.

KPMG LLP

Portland, Oregon May 29, 2002

QuickLinks

Exhibit 23.2