InSbHS camera C9985-05 (Thermal emission camera)

A high sensitive thermal emission camera.



Features

- High resolution and sensitivity
 - High resolution : pixel number 640 × 512
 - Sensitivity: 2 times or more compared to a conventional InSb camera
- High frame rate max 2 kHz (windowing)
- Special designed 1× macro lens A10159-10 (option for PHEMOS-1000) enhancing high sensitivity in macro observation.

Applications

- Thermal emission analysis
 - Metal short
 - Leakage in oxide layer
 - Local current concentration of power devices
- Depth measurement (option)
- Temperature measurement (option)



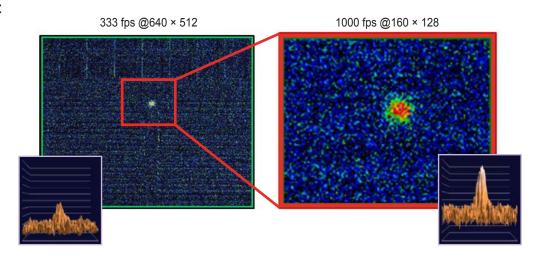
Failure Analysis Systems Option

Measurement case study

■ Purpose Confirm camera sensitivity improvement by using windowing function.

Method Compare SN (signal to noise) ratio between different frame rates under the same optics, sample and bias condition.

■ Result



■ Conclusion Approx. 2 times higher sensitivity was achieved by 3 times higher frame rate.

Camera and camera base for main units

Product name	Type number	
InSbHS camera	C9985-05	Camera main unit
Camera base	A11436-07	Camera base for PHEMOS-1000
Camera base	A11436-47	Camera base for iPHEMOS-MP

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HAMAMATSU PHOTONICS K.K. www.hamamatsu.com

HAMAMATSU PHOTONICS K.K., Systems Division

812 Joko-cho, Higashi-ku, Hamamatsu City, 431-3196, Japan, Telephone: (81)53-431-0124, Fax: (81)53-435-1574, E-mail: export@sys.hpk.co.jp

U.S.A.: Hamamatsu Corporation: 360 Foothill Road, Bridgewater, NJ 08807, U.S.A., Telephone: (1)908-231-0960, Fax: (1)908-231-1218 E-mail: usa@hamamatsu.com
Germany: Hamamatsu Photonics Deutschland GmbH.: Arzbergerstr. 10, D-82211 Herrschign am Ammersee, Germany, Telephone: (49)8152-375-0, Fax: (49)8152-265-8 E-mail: info@hamamatsu.de
France: Hamamatsu Photonics France S.A.R.L.: 19, Rue du Saule Trapu, Parc du Moulin de Massy, 91882 Massy Cedex, France, Telephone: (34)16 95 37 10, Fax: (33)1 89 53 71 10 E-mail: info@hamamatsu.fr
United Kingdom: Hamamatsu Photonics UK Limited: 2 Howard Court, 10 Tewin Road, Welwyn Garden City, Hertfordshire AL7 1BW, UK, Telephone: (44)1707-294888, Fax: (44)1707-325777 E-mail: info@hamamatsu.co.uk North Europe: Hamamatsu Photonics Norden AB: Torshamnsgatan 35 16440 Kista, Sweden, Telephone: (46)8-509-031-00, Fax: (46)8-509-031-01 E-mail: Info@hamamatsu.se Italy: Hamamatsu Photonics Italia S.r.l.: Strada della Moia, 1 int. 6, 20020 Arese (Milano), Italy, Telephone: (39)02-935-81-733, Fax: (39)02-935-81-741 E-mail: info@hamamatsu.it China: Hamamatsu Photonics (China) Co., Ltd.: 1201 Tower B, Jiaming Center, 27 Dongsanhuan Bellu, Chaoyang District, 100020 Beijing, China; Relephone: (86)10-6586-6006, Fax: (86)10-6586-2866 E-mail: hpc@hamamatsu.com.cn

Taiwan: Hamamatsu Photonics Taiwan Co., Ltd.: 8F-3, No.158, Section2, Gongdao 5th Road, East District, Hsinchu, 300, Taiwan R.O.C. Telephone: (886)03-659-0080, Fax: (886)07-811-7238 E-mail: info@tw.hpk.co.jp

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