EXHIBIT 1006

Exhibit no. D 9
of the letter / report / expert opinion / plaint / defense

dated

HOFFMANN · EITLE
Patent- und Rechtsanwälte
81925 München, Arabellastr. 4

ARGUS-20 with C2400-75i

SPECIFICATIONS

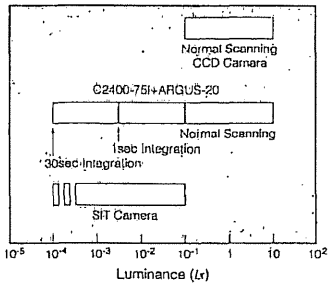
• ARGUS-20

			EIA (USA)	CCIR (Europe)
Input signal	Synch. method			
	H.scanning frequency		15.734 kHz	15.625 kHz
	V.scanning frequency		59.94 Hz	50.00 Hz
	Total number of scanning lines		525	625
	Number of effective scanning lines		483	509
	Interlace ratio		2:1	
	Aspect ratio of screen		4:3	
	Signals		Composite 1.0Vp-p/75	
Aspect ratio of pixel			2:3 (High-resolution mode) 1:1 (Normal-resolution mode)	
Output signal	For monitor		Composite 1.0Vp-p/75	
	For VTR or VCR		Composite 1.0Vp-p/75	
RGB output	RGB signal		0.7Vp-p/75 positive	
	HD,VD,Sync signal		2.0Vp-p/75 negative	
A/D,D/A converter			8 bit approx. 20MHz sampling	
Image memory	Main memory	High-resolution mode	1024 (H) × 483 (V) × 16 bit	1024 (H) × 509 (V) × 16 bit
		Normal-resolution mode	640 (H) × 483 (V) × 16 bit	640 (H) × 509 (V) × 16 bit
	Sub memory	High-resolution mode	1024 (H) × 483 (V) × 16 bit	1024 (H) × 509 (V) × 16 bit
		Normal-resolution mode	640 (H) × 483 (V) × 16 bit	640 (H) × 509 (V) × 16 bit
	Graphic memory	High-resolution mode	1024 (H) × 483 (V) × 4 planes	1024 (H) × 509 (V) × 4 planes
		Normal-resolution mode	640 (H) × 483 (V) × 4 planes	640 (H) × 509 (V) × 4 planes
Operating temperature			0°C to +40°C	
Storage temperature			−10°C to +50°C	
Operating and storage humidity			90% or less (non-condensation)	
Line voltage			100/117/220/240 VAC 50/60Hz	
Power consumption			Approx. 200 VA	

• C2400-75i

Sync. method	EIA (USA)	CCIR (Europe)
Device	1/2" Interline transfer CCD	
Number of pixels (H) × (V)	768 × 494	756 × 581
Cell Size (H × V) μm	8.4 × 9.8	8.6 × 8.3
Effective Number of Pixels	756 × 485	739 × 575
Resolution (H × V) TV lines	570 × 485	580 × 575
Lens Mount (F,B)	C mount (17.526 mm)	
Sync System	525 lines 59.94Hz	625 lines 50Hz
Gamma	1	
Power Consumption	1.6W	
S/N Ratio	58dB/54dB	

SENSITIVITY COMPARISON



- Subject to local technical requirements and regulations, availability of products included in this promotional material may vary. Please consult with our sales office.
- Information furnished by HAMAMATSU is believed to be reliable. However, no responsibility is assumed for possible inaccuracies or omissions. Specifications and external appearance are subject to change without notice.

HAMAMATSU
HAMAMATSU PHOTONICS K.K., Systems Division
812 Joko-cho, Hamamatsu City, 431-31, Japan. Telephone: (81)053-431-0124, Fax: (81)053-435-1574
Homepage Address http://www.hamamatsu.com
U.S.A. and Canada: Hamamatsu Photonic Systems: 360 Foothill Road, Bridgewater, N.J. 08807-0910, U.S.A., Telephone: (1)908-231-1116, Fax: (1)908-231-0852
Germany: Hamamatsu Photonics Deutschland GmbH: Arzbergerstr. 10, D-82211 Herrsching am Ammersee, Germany, Telephone: (49)8152-375-0, Fax: (49)8152-2658
France: Hamamatsu Photonics France S.A.R.L.: 8, Rue du Saule Trapu, Parc du Moulin de Massy, 91882 Massy Cedex, France, Telephone: (33)1 69 53 71 00, Fax: (33)1 69 53 71 10
United Kingdom: Hamamatsu Photonics UK Limited: Lough Point, 2 Gladbeck Way, Windmill Hill, Enfield, Middlesex EN2 7JA, United Kingdom. Telephone: (44)181-367-3560, Fax: (44)181-367-6384
North Europe: Hamamatsu Photonics Norden AB: Färögatan 7, S-164-40 Kista, Sweden, Telephone: (46)8-703-29-50, Fax: (46)8-750-58-85
Italy: Hamamatsu Photonics Italia S.R.L.: Via Della Moia, 1/E, 20020 Arese, (Milano), Italy, Telephone: (39)2-935 81 733, Fax: (39)2-935 81 741

Cat. No. SPMS 1021E03
MAY/97 CR (9501)
Printed in Japan (1500)

Real-time microscope image pro

ARGUS-20 with

The ARGUS-20 Image Processor represents a major advance in performance and value in real time digital image processing. Its 1024-pixel horizontal resolution memory supports the latest high-resolution CCD cameras. The SCSI computer interface allows you to easily transfer data and monitor the measurements. The ARGUS-20 even has a built-in CCD camera driver for Hamamatsu CCD cameras.
The new C2400-75i with on-chip integration has been specially designed for use with the ARGUS-20. It is sensitive enough to be used to view fluorescence images, while the system's high resolution and contrast enhancement enable you to view single microtubules in DIC images. You can even superimpose DIC and fluorescence images or two fluorecence images.

FEATUR

- **High Sens**
  CCD on-chip integr
  image processor an
  gration method allo
  cence images) to be
- **Simple Co**
  The C2400-75i came
  levels from faint flu
  longer necessary to
  imaging.
- **High Qual**
  High-quality DIC and
  can be displayed sl
  function.
- **High Reso**
  Since the ARGUS-20
  resolution of the C
  resolution is not los
  a microscope is also

HAMAMATS

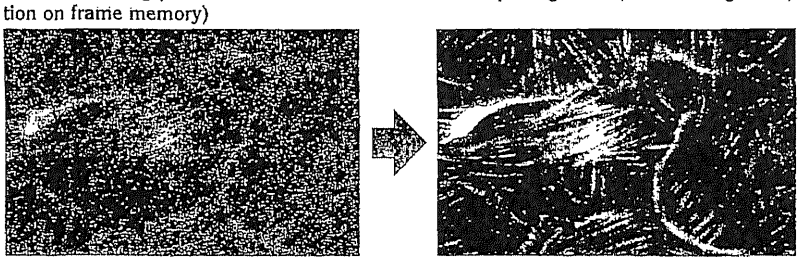
ARGUS-20 with C2400-75i

HIGH SENSITIVITY (by on-chip integration)

CCD on-chip integration is possible by combining the ARGUS-20 and the C2400-75i. This integration method allows low-light-level images (for example, fluorescence images) to be observed.

Normal scanning (256 frames accumulation on frame memory)

On-chip integration (10 sec integration)

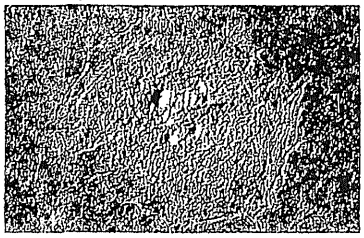


▲ ƒ-Actin of MDCK cell, fluorescence stained with fluorescein-phalloidin.

SIMPLE CONFIGURATION

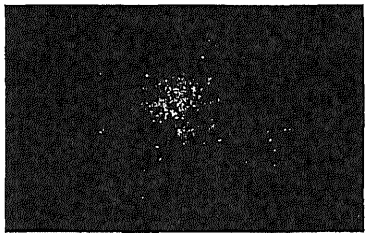
The C2400-75i camera can obtain images over a wide range of light levels from faint fluorescence images to well-lit DIC images. It is no longer necessary to mount separate cameras for flourescence and DIC imaging.

DIC Image



▲ DIC image of animal cell culture

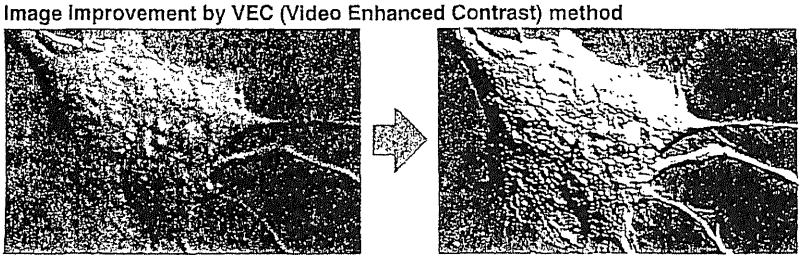
Fluorescence Image



▲ Microtubule from animal cell culture, stained by fluorescent antibody technique.

HIGH QUALITY IMAGES

- **Image improvement by VEC (Video Enhanced Contrast) method**

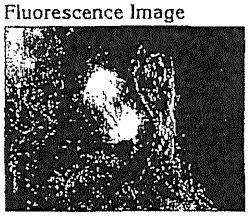


▲ Original image
(Sample: Neuronal cell line NG108-15 Normarski differential interference image)

▲ With background subtraction and averaging. Cytoskeleton is now clearly visible.

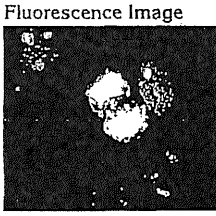
- **Superimposition of two fluorescence images**

Fluorescence Image



▲ Fluorescence-stained image of animal cell microtubele.

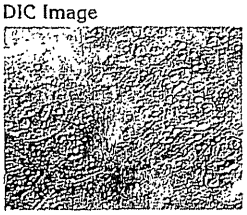
Fluorescence Image



▲ Fluorescence-stained image of nucle

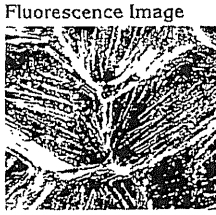
- **Superimposition of DIC and flourescence images**

DIC Image



▲ Differential-interference image of MDCK cell.

Fluorescence Image



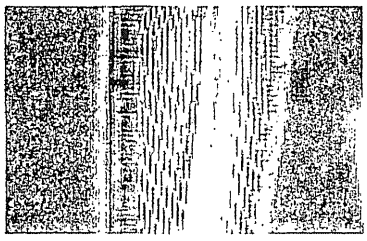
▲ ƒ-Actin of MDCK cell, fluorescence st
with fluorescein-phalloidin.

HIGH RESOLUTION

Since the ARGUS-20 also has a high resolution mode (1024pixels), the resolutio
(the resolution is not lost while digitizing). Digital image processing using a mi
resolution.

Normal-resolution mode

High-r



▲ 640-pixel horizontal resolution, 4 × zoom
(Sample: Diatom)

▲ 1024-p
(Vertic