

Joint Photolmaging Enterprises Association International

Nikon	DSLR, D40	..... 1	Hitachi	LCD Projector, CPXJ 1	..... 3
Tamron	1st Section of TSE Listed	..... 2	Canon	Entering Gene Market	..... 4
Pentax	Interim Financial Results		DNP	New OTU Camera Sale	
Nakabayashi	Chinese Business Boost		Nikon	Comments on D40	
IdeaSync	Free D-print Service		MOF/Imp	Photographic Equipment Jan-Sept. . . .	5
Shriro	Hasselblad H3D Sale in Japan	3	DVC	Changing Market	..... 6
Fujifilm	D-cam, Big Job HD-3W		JEITA	AV Gear Shipments Sept.	
Kenko	D-cam, DSC-8341		6Sight	Reports by Bob McKay (2)	..... 7
Bogen Imaging	Camera Bag Sale		Ad	PMA2007	..... 8

Nikon Discloses New Entry-Level, Affordable DSLR

Nikon announced on Nov. 16 “Nikon D40”, its third new DSLR model this year following the topnotch D2Xs in June and the mid-tire D80 in September. The D40 is the successor to the entry-level DSLR D50 that debuted last June (PEN Apr. 15, '05) and offers greater ease of use and a size smaller and lighter body while retaining high image quality and performance that the manufacturer says satisfy not only entry-level users but also hobbyists.



The D40 is scheduled to hit the shelves of local dealers on Dec. 1, well in time for the yearend selling season and the trade expects it will sell for less than ¥60,000 (\$508) or some ¥70,000 (\$598) for a kit with an ED 18-55mm F3.5-5.6GII lens.

The D40 like the predecessor features a 23.7 x 15.6mm 6.1MP (effective) CCD image sensor and a newly-developed image processing engine that utilizes image processing algorithms derived from high-end models.

Images are recorded in JPEG, RAW or JPEG + RAW modes on a SD memory card and about 65 images may be recorded on a 512MB SD card in RAW, 137 to 503 images in JPEG and 58 images in RAW + JPEG (Basic) modes.

An oversized 2.5" 230KP LCD monitor is on the back of the camera and the penta-mirror viewfinder with diopter correction gives 95% view and 0.8X magnification (50mm F1.4 lens). Three-point AF system supports a motor-loaded AF-S or AFi lens.

The built-in scene selection program provides various modes including programmed auto, flash-off, portrait, landscape, kid snapshot, sports, close-up and night portrait as well as programmed AE, shutter-priority AE, aperture-priority AE and manual metering.

The exposure and white balance programs allow a wide range of manual settings including exposure compensation to plus/minus 5EV in 1/3EV steps. The shutter speed runs from 30-1/4,000sec in 1/3 steps with B & T.

The DSLR has a built-in, multiple-mode flash unit and a series of Nikon clip-on flash models including SB400 simultaneously announced with the camera may also be used via the hot-shoe. A Li-ion rechargeable battery runs the DSLR. Measurements (WHD): 126 x 94 x 64mm. Weight: 475g (w/o battery and card).

The camera maker also disclosed a handy normal zoom lens AF-S DX Zoom Nikkor ED 18-55mm F3.5-5.6 GII in silver or black finish that best fits the compact DSLR. The 18-55mm (27-82.5mm equivalent) F3.5-5.6 7-in-5 lens is 74mm in length and 70.5mm in diameter weighing a

mere 205g.

Tamron to be Listed on TSE Market 1st Section

Tamron has announced that its common shares have been approved for listing on the 1st section of the Tokyo Stock Exchange market and will start trading on November 13.

In separate news, Tamron has announced its business results for the nine-month period ended on September 31. Its pretax profit rose 29% year-on-year to ¥4.5 bln (\$38.1 mln) on sales of ¥45.4 bln (\$384.7 mln), up 5.7% year-on-year. Its photographic lens business unit posted a 13.5% gain in an operating profit to ¥1.7 bln (\$14.4 mln) on sales of ¥11.5 bln (\$97.4 mln), up 2% from the same period a year earlier.

Pentax's First-half: 10% Fall in Pretax Profit on 7.7% Growth in Sales

Pentax announced its business performance in the first half of its fiscal year ended September 30. Operating profit rose 66% year-on-year to ¥1.56 bln (\$13.2 mln) but pretax profit fell 10% from ¥1.17 bln (\$9.9 mln) of the first half a year ago to ¥1.05 bln (\$8.89 mln), on sales of ¥74.7 bln (\$633 mln), up 7.7%.

Imaging System Business unit posted an operating profit of ¥229 mln (\$1.94 mln) in the first half, in a complete turnaround from the operating loss of ¥1.57 bln (\$13.3 mln) in the first half a year ago, on sales of ¥37.1 bln (\$314.4 mln), up 10.8% year-on-year.

The company maintains its profit outlook for a full fiscal year through March 2007 unchanged, continuing to forecast a group pretax profit of ¥4.4 bln (37.2 mln\$) and a net profit of ¥3.3 bln (\$27.9 mln), on sales of ¥159 bln (\$1.35 bln).

In separate news, Pentax announced postponement of launching of the K10D new DSLR to end of November.

Nakabayashi Album Aims at 5-Fold Jump in Sales in China

Nakabayashi Co, a leading album maker in Japan, aims to boost sales of albums and so on in China to ¥500 mln (\$4.23 mln) in three years, 5X its projected sales in fiscal 2006.

In order to make up for rapidly declining album sales in the Japanese domestic market, the company plans to expand its product offerings in China 10X to around 800 items, focusing on high-quality albums and leather cases, for tapping demand by affluent consumers while avoiding price competition with album makers in China.

In addition to expansion of its product portfolio consisting of quality albums and leather cases, the company plans to introduce such products as shredders and bookbinding devices. Also, as a part of its expansion scheme, the company plans to broaden its sales channels and have its products sold through major foreign retailers doing business in China such as Wal-Mart Stores.

IdeaSync Starts Offering Free D-print Services in Japan

IdeaSync, a Tokyo-based IT solution provider/equipment marketer, has started free online D-print services called "Priea" in Japan, offering up to 30 D-prints at one time and up to twice a month (totally 60 D-prints a month) free of charge to each registered member.

Anyone can become a member by simply completing registration procedures over the Internet without paying any member fee. Members just transmit digital data online to Priea's exclusive website. Then, within a week, Priea sends L-size prints free of charge and postage prepaid by Priea. Priea covers all expenses including postage by adding a logo of a sponsor in a corner of each print.

IdeaSync has also started to offer a free space for an online album of up to 2GB to each Priea member. Any member can upload digital images to the online album for sharing images with friends or relatives, but the online album is for browsing only (no downloading). "Free offers" are not unusual in services over the Internet, but the new service by IdeaSync offering free services physically is unique.

Shriro Markets Hasselblad H3D in Japan

Shriro Trading Co., Japanese distributor of Hasselblad camera products held a press conference on Oct 27 in Tokyo to introduce digital medium-format AF cameras Hasselblad H3D-22/H3D-39 previously exhibited at Photokina 2006. The cameras are to be available on the domestic market from November.



The H3D-22 is fitted with a 36.7 x 49.0mm 22-megapixel CCD digital back and H3D-39 39MP. Replacing the digital back with a film magazine the cameras may be used as film cameras and the digital backs may be loaded on a large-format camera.

The cameras are fitted with a 2.2" organic EL monitor. Shutter speed runs from 32 to 1/800sec and 3 x CR123 Li-ion batteries in the grip supplied with the camera run the camera. Measurements (WHD): 153 x 131 x 213mm with a 80mm lens Weight: 2,175g with the lens, a CF card and the batteries. The H3D-39 camera is list-priced at ¥4.4 mln (\$37,300) excluding tax and the H3D-22 ¥3.55 mln (\$30,085).

Fuji Unveils Heavy Duty D-cam

Fujifilm announced FinePix Big Job HD-3W, a heavy duty, compact digicam for field use. The water and dust-proof camera is fitted with a 1/2.5" 6MP (effective) CCD sensor and a 4.7-14.1mm (28-84mm equiv) F3.3-4 3X zoom lens. The high speed mode enhances sensitivity of the sensor to ISO1600 equivalent helping the camera work in a narrow and dark place. The oversized controls may be handled easily wearing gloves.



The camera incorporates for the first time in the world "detection of image processing" to detect processing of image applied later. A pair of AA type batteries, alkaline or NiMH powers the outdoor-use digicam. Measurements (WHD): 128.3 x 80.5 x 45mm. Weight: 390g. Expected introduction: January 2007.

Kenko Offers 8MP Compact D-cam

Kenko, a major supplier of comprehensive photo/imaging equipment, announced a new compact digicam added to its digicam lineup.

The DSC-8341 mounts a 1/1.8" 8.1MP CCD image sensor, a 7.5-22.5mm (36-108mm equivalent) F2.8-4.8 zoom lens with 4X digital zooming and an oversized 2.4 LCD monitor. The lens automatically focuses from infinity to 0.5m. Captured images are stored on a SD memory card or built-in 32MB flash memory. Still images are recorded in JPEG and video clips in MPEG4 formats.

Exposure and focusing are programmed with exposure compensation for plus/minus 2EV in 1/3EV steps. Built-in flash provides auto, redeye-reduction, flash-on and flash-off modes. A Lithium-ion rechargeable battery runs the camera. Measurements (WHD): 91 x 57 x 27mm. Weight: 150g w/o battery and card.

Bogen Markets Camera Bags in Japan

Bogen Imaging (Japan) began selling on the domestic market "Explorer" series of canvas camera bags under "National Geographic" brand.

The 5-model series ranges from a camera pouch to an oversized backpack, all in reserved earth color and with brass buckles. Suggested list prices range from ¥3,650 (\$31) to ¥49,350 (\$420).

Hitachi to Market Portable LCD Projector

Hitachi (Ubiquitous Platform Group) announced a compact and affordable mobile LCD projector for presentation use to be available on the domestic market mid-December.

The CPXJ1 list-priced at ¥198,000 (\$1,670) w/o tax features 3 0.63" LCD panels, a 16-20mm F1.8-1.9 projection lens and a 160W UHB (Ultra High Brightness) lamp and is capable of projecting

a 60" image at a short distance of 1.5m, which is convenient for presentation in a small meeting room.

By storing data on a USB flash memory or detachable HDD presentation with the projector will be possible without using a PC. The projector adopts a low-noise and efficient cooling system to reduce noise level.

While zooming and focusing are conducted manually the CPX J1 automatically corrects vertical distortions and thanks to its quick-start circuitry the projector is ready for operation in 4sec. Its direct power-off feature eliminates cool-down after it is turned off. With the Password feature the projector can restrict its users to authorized persons.

The XGA Real-compatible, 2,000lm projector measures (WHD) 274 x 59 x 205mm weighing 1.7kg.

Canon Mulls Commercialization of One-hour Desktop Gene Profiler

Canon Inc. plans to commercialize, jointly with Canon US Life Science Inc., a one-hour desktop gene profiler model as part of its strategy to strengthen the company's presence in the medical and biology fields.

The company intends to develop a compact and inexpensive gene profiler that can provide analysis results in only one hour. The profiler using Canon's imaging technologies and gene amplification and other technologies licensed from Caliper Life Science Inc., a startup in the US, is compact enough to sit on a desktop but it analyzes DNA samples reacted in micro-field channels, identifying the presence of a specific gene and the single-point differences in base sequence that define the gene's trait.

Canon hopes to make a commercial gene profiler ready for marketing in 2010. But the first step will be developing a prototype and then to partner with medical institutions in Japan, the US and Europe to verify its performance in the clinical testing.

DNP Photo Marketing to Distribute New OTU Cameras

DNP Photo Marketing, that took over domestic photo distribution business from Konica Minolta in July (PEN July 14), announced a new one-time-use cameras that the distributor plans to sell on the home market beginning in December and January next.

The OUT cameras come in three models, one mounted a 27-exp film with flash in orthodox design and two, either 27-exp or 39-exp both with flash and in pop art design. Those cameras are said to be made by Concord Camera in China and loaded with Kodak film also made in China.

The distributor formerly said that they would consider all possible means for uninterrupted supply of film and OUT cameras. The management now says that the new SU cameras were developed to meet the customers' requests and will be supplied to existing customers including minilab operators and retail chains, adding that competing in market shares is out of consideration.

DNP Photo is now working on extending its product line including papers and chemicals.

New Nikon D40 - Interview

Nikkei Industrial Daily interviewed Kazuyuki Kazami, Nikon product manager who played a major role in development of the new D40 DSLR. Following is zest of the article on the daily (translation by PEN):

Press: The concept of low price and compact and light DSLR is so conspicuous in the new model.

Kazami: Many potential users seem to think vaguely that a DSLR makes beautiful pictures, but they are concerned that a DSLR is heavy, big and complicated to operate. We want them to clear such physiological hurdles. We lowered the price, but stuck to the Nikon quality.

"The DSLR market as a whole is growing more than we expected, and demand for replacement is significant. We want those who are using a compact D-cam personally look at and feel the D40.

Female users will like it and it would be also good for men who may bring it to business trips and tours overseas. It will be a nice second camera for present DSLR users as well.

Press: Low price we think will restrict features and performance.

Kazami: We newly developed the image processing engine for the D40. It basically derives from high-grade D80 and D2Xs in terms of fundamental design and specs to inherit the image quality and performance. It is ready for operation in shorter time than the D50, current entry-level model. The D40 also has greater burst-shot capability that stepped up from 21 frames to 100 frames.

“The D40 particularly inherits from the big brothers high image quality. In entry-level models many users immediately print the pictures instead of uploading them to PC for manipulation. The D40 makes vivid picture, worthy of 6MP, with wide dynamic range and subdued noises.

Press: What made this low price possible?

Kazami: “We never cut corners. Our new design made it possible to reduce cost and make the camera compact. For example, we placed image processor, memory and condensers on a single board while they were in a plural number of boards, linked with connectors.

“We did cut some. The small LCD display on the upper right corner of the camera is eliminated that indicated shutter speed and F-number used in taking the picture. Beginners frequently depend on programmed auto exposure and may not need those indications. The data are now shown on the monitor on the back if needed. AF point is reduced to 3 from 5.

Press: In the yearend season there will be head-on battle with Canon and new entries like Panasonic and Sony.

Kazami: The affordable, compact and light D40 will give a due impact to the market. The new entries have had a positive effect to expand the overall DSLR market. We have accumulated know-how on what a camera should be and how to make nice pictures. Compare the new DSLR with other makes.

Photographic Equipment Imports for Jan-Sept

Imports of film cameras to Japan continue to shrink as domestic demand being sluggish. Cameras using films less than 35mm exclude APS models, whose trade became practically nothing. Strobe imports declined 25.3% in unit while gained 73.6% in value. Filter imports gained 43.2% in value. Import value of lenses plunged 63.8% while quantity in weight gained 21.6%.

Upper: units except for filter and lens. Fiter & lens=kg Lower: ¥1,000

Jan-Sept Country	35mm SLR		35mm L/S		Less 35mm		Other Cameras		Instant Camera		Electronic Flash		Filter		Lens	
	9006.51-000	%	9006.53-900	%	9006.52-090	%	9006.59-000	%	9006.40-000	%	9006.61-000	%	9002.20-000	%	9002.11-010	%
R Korea	350	333.3	100	*	46	*	180	*	131	*			365	36.6	41,874	884.5
	1,510	63.7	430	*	472	*	1,884	*	3,211	*			6,137	33.5	402,323	239.2
China	305	1.6	534,429	56.8	96,976	191.3	8,456	50.5	86,613	79.5	356,782	98.9	85,839	132.8	636,638	283.1
	4,383	8.2	569,353	71.2	15,092	234.5	22,427	50.9	296,476	96.2	2,701,624	259.2	4,074,961	146.3	5,850,777	50.0
Taiwan	9,580	86.9	18,098	66.9	0	0.0	150	288.5	256	*	200	0.5	8,299	50.4	26,376	11.4
	147,551	98.7	133,462	77.3	0	0.0	869	162.4	781	*	206	1.4	119,161	104.6	409,652	11.8
HG Kong	39	114.7	20,002	2012.3	27	10.8	53	16.2	161	1610.0			3,234	650.7	569	32.8
	1,888	28.7	9,209	90.5	479	116.5	1,945	19.2	1,840	420.1			21,325	62.0	19,854	20.7
Vietnam	0	-	24	600.0											6	0.0
	0	-	2,787	616.6											297	0.1
Thailand	20	0.3	0	-			1	*			57,600	60.0	907	139.1	229	0.9
	353	0.4	0	-			1,135	*			11,960	54.6	53,633	94.1	9,954	1.3
Malaysia	0	-	0	0.0			460	*			95	4750.0			1,335	1.8
	0	-	0	0.0			26,267	*			2,573	784.5			19,518	0.8
Philpin	849	20.0	193	31.8							85,279	70.2	10,881	1217.1	1,115	16.5
	18,505	19.6	2,932	51.9							31,302	86.6	51,793	502.9	21,356	7.7
Indonesia			28,469	50.7	400	*	360	*			20,060	348.9	260	2363.6	208	1223.5
			247,716	100.4	2,351	*	2,116	*			18,723	87.2	721	40.9	10,138	426.3
Sweden	1	1.6	5	250.0	5	*	144	1028.6			311	91.2	61	74.4	0	-
	236	5.7	574	77.8	424	*	44,246	824.6			34,858	131.5	6,811	70.6	0	-
U King	22	366.7	0	-			7	140.0			8,856	1503.6	108	85.7	777	71.0
	2,109	198.0	0	-			4,411	105.2			2,306	52.6	34,748	104.8	18,908	183.1
Germany	182	99.5	946	84.5	46	64.8	337	144.6	40	*	91	89.2	37,537	178.3	1,251	72.8
	33,961	102.0	226,182	179.9	3,206	62.1	72,375	145.1	202	*	10,018	174.9	288,529	159.6	129,811	53.4
USA	75	102.7	1,046	151.6	109	*	290	690.5	2,393	429.6	390	69.8	6,282	70.4	3,867	386.3
	2,914	71.9	4,809	58.0	8,823	*	42,988	80.9	10,940	86.5	8,121	145.9	766,335	136.7	106,139	203.1
Australia			152,077	198.8									122	118.4	0	-
			3,040	205.8									6,086	41.1	0	-
World Total	11,664	27.8	757,035	68.1	97,822	191.6	10,685	60.1	98,858	89.8	521,072	74.7	159,542	137.2	716,373	121.6
	225,809	50.7	1,229,021	86.0	33,615	65.8	237,916	129.5	395,717	115.0	2,842,133	173.6	5,562,944	143.2	7,133,737	36.2

% shows comparison over the previous year.

* indicates last year's performance was null. -this year's imports null.

HD Video Cameras to Change Market

High Definition digital video cameras are quickly becoming the mainstream of consumer-use DVCs in Japan, opening up a new round of competition, Nikkei Industrial Daily reports.

Sony, that leads the home DVC market, already supplies high-definition models using three types of recording medium, tape, DVD and hard disc drive (HDD).

Panasonic is introducing in December a HD DVC utilizing SD memory card, the fourth recording medium. "The SD will eliminate demerits of conventional recording media", a Panasonic manager boasted at a recently held introductory press conference of the DVC. Tape is slow to start, DVD needs relatively large mechanism and its capacity is limited, HDD is expensive and vulnerable to shock and the flash card makes up all these deficits. It simplifies total mechanism of the camera, making it smaller and lighter, he says.

The SD card model is more expensive than the counterparts using DVD or HDD. The Panasonic SD1 that uses a SD expectedly sells for ¥180K (\$1,525) including a 4GB SD card while the Sony UX1 DVD model sells for less than ¥160K (\$1,360). A DVD-R for the camera costs merely ¥500 to ¥800 (\$5.8-6.8) apiece while a 4GB SD card costs as much as ¥20K (\$180).

Hitachi Hybrid DVC is Winner: Specs and prices however do not decide the buying trend. Conventional Hitachi DZ-HS303 (selling price ¥120K or \$1,020), that uses both DVD and HDD, topped the list this autumn, a peak of DVC selling in Japan, with a 20%-plus market share, highest ever for Hitachi. Its convenient use may have appealed to consumers, whereby a HDD stores all images part of which may be transferred to a DVD. A Hitachi manager stresses that a DVC designer must put himself in consumers' place.

According to a survey GfK Japan conducted, the HS303 topped the DVC bestseller list for 10 weeks straight since its introduction at the end of August, selling close to record breaking (for Hitachi) 50,000 units in two months.

Its apparent strong point is that when a customer cannot decide between HDD and DVD the store clerk can simply tell the customer "This one can do both." A DVC using a HDD for recording can do continuous recording of many hours, but those who are not versed with PC tend to stay away from it. On the other hand a DVD model cannot handle long-hour recording and a DVD can only record for 1/2 hrs but may be played handy on a home DVD player.

A practical problem that confronted Hitachi engineers was size and weight of the camera. If you added a large-capacity (over 20GB) HDD to an existent DVC with DVD system the camera would be too large and heavy. So the Hitachi staff made a realistic compromise of putting a small 8GB HDD that allows 3 hrs of high quality recording, less than half of other makes on the market permit, but they think it's good enough to record most of events consumers would come across.

Another merit was that the camera dubs images freely from HDD to a DVD on the spot and the disc may be handed over or mailed to whoever wants it. Such practical usefulness appealed to a wide group of consumers, reports the daily.

JEITA: Home-use Camcorder Sales in Jan-Sept Fall 8.1%

Domestic shipments of flat-panel TVs for the first nine months of 2006 rose 75%+ year-on-year for both plasma and LCD panel models while conventional CRT TVs plunged 50.3%, clearly showing the digital shift in the TV segment. Home-use camcorders sold in Japan are almost all are digital type and more and more units are utilizing new media rather than tapes and some 1.1 mln units were shipped during the first nine months. DVD player/recorder shipments in September fell nearly 25%, and down 14% for the Jan-Sept period to some 4 mln units.

JEITA Domestic Shipments, Jan-Sept., 2006

	Jan-June	July	Aug.	Sept	Y/Y	Jan-Sept	Y/Y
Item	Unit	Unit	Unit		%	Unit	%
CRT TV	1,094	143	135	137	47.4	1,509	49.7
PDP TV	297	46	42	68	144.7	454	176.0
LCD TV*	2,297	399	376	449	164.2	3,522	174.9
VCR	302	44	46	43	51.2	435	52.7
Camcorder	672	91	154	201	85.5	1,118	91.9
DVD Player	2,740	439	386	436	75.7	4,001	86.1
Recorder	1,596	247	199	252	75.9	2,293	86.6

Unit: in 1,000. LCD TV* with over 10"-size monitor. Y/Y=%, over the same month/period.

6SIGHT Report 2006 (2)

Bob McKay, Technical Consultant, Westlake31@aol.com

* **Microsoft's David Gedye** (Australian) presented Microsoft Photosynth (<http://labs.live.com/photosynth/>). Photosynth takes a large collection of photos of a place or object, analyzes them for similarities, and displays them in a reconstructed 3-Dimensional space, which can be navigated on a computer display. It was impressive.

* **Nanomotion** (www.nanomotion.com) is an Israeli company which is 51% owned by Hong Kong's Johnson Electric; "The Johnson Electric Group is one of the world's largest providers of micro motors and integrated motor systems to global customers in the automotive, power tools, home appliances, business equipment, audio-visual and personal care sectors." Nanomotion "has designed a series of ultrasonic motors that have no moving parts and that have no extrinsic or intrinsic magnetic fields." These are used in DSCs and camphones, and are claimed to be the "smallest, fastest and most accurate" such modules.

* **InvenSense** of Santa Clara (www.invensense.com) "develops high-performance motion sensing solutions that meet the demanding size and cost requirements of the mobile consumer electronics market, including image stabilization and motion sensing applications in mobile phones." By 2008, they expect that 80% of DSCs will utilize image stabilization systems (either optical or electronic), and camphones will also adopt such technologies.

* **New Scale Technologies** (www.newscaletech.com) of Rochester, NY, has developed "squiggle motors" which use piezo activation and "hula-hoop motion" to create linear motors which (they say) are 50% smaller and ten times more precise than competing systems, while consuming low power quietly. These can be used for focusing and zooming.

* **Artificial Muscle Inc** (www.artificialmuscle.com) of Menlo Park uses an electroactive polymer activator for lens positioning (no noise/heat/magnetic fields), but sees myriad other applications for its "Universal Muscle Activator."

I shall now skip ahead to the "New Tech Showcase" on the second day of 6sight:

* **Avago Technologies** (www.avagotech.com) is a spin-off from Agilent (and thus from HP) is the largest privately-held independent semiconductor company in the world. Camphone components are a significant part of their business, including fast-focus and anti-shake support.

* **Exclaim** is the new corporate name for dotPhoto (www.dotphoto.com) and they showed us Pictavision, for mobile-to-mobile photo applications (www.pictavision.com). The current smartphone-only apps will be expanded to regular camphones.

* Australian company **Cap-XX** (www.cap-xx.com) "develops supercapacitors - high-power, high-energy storage devices that enable manufacturers to make smaller, thinner and longer-running products such as mobile phones, PDAs, medical devices, AMRs, compact flash cards, and much, much more." A typical supercapacitor they make is only 2 mm thin.

* **SimpleStar** (www.simplestar.com) showed PhotoShow, software which allows digital images (still and video) to be uploaded onto the Internet as broadcast-quality programs.

* Perkin Elmer Optoelectronics (<http://optoelectronics.perkinelmer.com/>) showed new, small Xenon tubes for use in camphones.

* Sweden's "**Scalado** is a global software imaging solutions leader. We focus on making mobile imaging more efficient and valuable for end-users by providing mobile phone manufacturers with high-performing imaging products. We help manufacturers to significantly shorten time-to-market and to differentiate their products through imaging solutions that offer greater advantages in editing, enhancing, storing and sending images, easily and effectively." (www.scalado.com)

I have only covered part of the excellent presentations at 6sight, and concentrated on those which I feel would be of most relevance to PEN readers. Please visit www.6sight.com for more information.



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PEN News Weekly

Publisher: Akirou Mitsui

Editor-in-Chief: Machiko Ouchi

Editors: Tasu Kasahara, Takahiro Maruyama; Technical Consultant: Bob McKay, Editorial advisor: James L. Chung

Marketing advisor: Liz Vickers, Editorial office: JPEA International, JCII Bldg., 25 Ichibancho, Chiyoda-ku, Tokyo

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