

averaging, variable bitrate encoding, and automatic time stamping. Leveraging the W99200F's integrated bus interfaces, FIFO, and audio interface minimizes the need for additional circuitry.

Projector

Panasonic has introduced the **PT-D9500U digital projector**. The PT-D9500U delivers 9000 ANSI lumens of brightness, extremely quiet operation, and a built-in universal format converter. It utilizes three 0.9 in. DLP panels to deliver stunning brightness, a greater than 450:1 contrast ratio and workstation (1280 x 1024) compatibility. It is also fully HDTV compatible, with the capability to provide full resolution for all DTV and HDTV formats in 4 x 3 or 16 x 9 aspect ratios. The PT-D9500U can also project an image from 100 in. to 600 in. in 4 x 3 and from 100 in. to 550 in. in 16 x 9, using the optional lens.

Recyclable Liquid Kit Chemicals

Chemworld, Inc., has introduced **recyclable liquid kit chemicals** for film

development of common color negatives and color copying materials. The kit chemicals deliver best results with an automated dispensing system integrated in a combined developer processing plant for ECN II and ECP II. The plant automatically processes batches of negative and positive developer through ion exchange columns. The columns are then automatically regenerated and the processed developers upgraded. These processes can take place on both lines of the plant simultaneously. The system reduces disposable waste volumes up to 90%, reduces water consumption, and allows lowest discharge limits in the effluent.

Tracking System

Orad Hi-Tec Systems has announced the new **InfraTrack tracking system**. InfraTrack measures the 6° of freedom of the studio cameras (X, Y, Z, pan, tilt, and roll) by using infrared light sources attached to the studio camera. To obtain the camera position parameters the InfraTrack system uses small infrared imagers, strategically placed around the studio. Through triangulation, the system

measures the LED's location and calculates the camera position and orientation. The seventh parameter is measured by means of a separate electromechanical sensor attached to the camera lens. InfraTrack enables a complete 360° shooting sector and considerable camera moving zone.

Chemworld Inc., P.O. Box 8891, Horseshoe Bay, TX 78657; tel: (830) 598-4595; fax: (830) 598-1232; e-mail: chemwrld@moment.net

Miranda Technologies Inc., 2323 Halpern, St. Laurent, Que., Canada H4S 1S3; tel: (514) 333-1772; fax: (514) 333-9828; website: www.miranda.com

Orad Hi-Tec Systems, P.O. Box 2177, Kfar Sava, 44425, Israel; tel: (972)-9-7676862; fax: (972)-9-7676861; e-mail: orad@orad.co.il

Panasonic Broadcast & Television Systems Co., 3330 Cahuenga Blvd., W. Los Angeles, CA 90068; tel: (800) 528-8601; website: www.panasonic.com

Zapex Research, Ltd., 2432 Charleston Rd., Mountain View, CA 94043; tel: (650) 930-1410; fax: (650) 930-1414; website: www.zapex.com

Engineering News

NOTICE

Trial Publication and Public Comment on SMPTE Standards, Recommended Practices and Engineering Guidelines

SMPTE Standards, Recommended Practices and Engineering Guidelines are now published on the SMPTE World Wide Web site at www.smpte.org/stds for trial publication and public review. These proposal documents will continue to be published in the *SMPTE Journal* for information-only purposes. This change is in accordance with the SMPTE Administrative Practices:

"During the trial publication period of six weeks following the posting of the proposed document on the Society's World Wide Web site, the Society invites comment on the proposed document from the readership. Comments are submitted by the Director of Engineering to the Chair of the responsible Technology Committee with copies to the Chair of the Standards Committee and the appropriate Engineering Director. If, in their opinion, the comments require any technical change, the project is returned to the Technology Committee for further consideration.

If the comments are considered by the appropriate chairs and Engineering Director to be exclusively editorial, the Director of Engineering, in consultation with the Technology Committee Chair, makes the necessary editorial revisions. Commenters shall be promptly notified of the disposition of their comments and the justification for the actions by the Technology Committee Chair."

C. V. Girod, P.E., Director of Engineering

ENGINEERING MEETING SCHEDULE

NOVEMBER

20 Sat.	Committee on Projection Technology P3 (B. Pinkston)	Marriott New York, NY
20 Sat.	Committee on Film Technology F2 (E. DiGiulio)	Marriott
20 Sat.	Committee on Laboratory Practice L6 (A. Masson)	Marriott
20 Sat.	Standards Committee ST13 (W. Miller)	Marriott
21 Sat.	Comm. on Audio Record and Reproduction Technology A12 (T. Holman)	Marriott

DECEMBER

6-10 M-F	A12/123/C24/V16/W25/N26/S22	Sony San Jose, CA
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FEBRUARY/MARCH 2000

28-3 M-F	A12/123/C24/V16/W25/N26/S22	MCI-Worldcom Richardson, TX
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