

New Products

Digital Products

Thomson multimedia is offering an array of new RCA-brand digital video products. The new camera models all offer digital still camera capability, providing users a still image for downloading to a PC. The two high-end units, the **CC9390** and **CC9381**, both offer 16 megabytes of removable multimedia card memory, 1.3-megapixel CCD sensor, a USB multimedia card reader, and other features designed to make them fast, flexible, and fun. Exclusive to the **CC9390** is a 3.5-in. detachable LCD. The two remaining models offer 680K pixel CCD sensor with 520 lines of resolution, black-and-white viewfinder, 400X digital zoom, steady pix, night mode, and digital special effects, along with other features.

The **X-Cam CC2210** is a motion picture video/audio capture device with digital still camera and mp3 audio capability. It has 16 megabytes of compact flash and a 1.8-in. LCD color screen for viewing still images or video clips. The X-Cam is one of several products designed to extend the company's reach to the youth market.

Also from Thomson is the **RC6001P**, a progressive scan player, which has a 3:2 pulldown and caters to viewers' personal preferences with multiple aspect ratios of 4:3, 4:3 letterbox, and 16:9 formats. Other convenience features include parental rating control, chapter and track search/repeat, and coaxial outputs for both Dolby Digital and DTS Digital. The portable **RC5400P** DVD player has a 5.8-in. active matrix color display and weighs 5.2 lbs. Like the **RC6001P**, it has multiple aspect ratios including 4:3, 4:3 letterbox, and 16:9 formats, and comes with a compact remote that controls most functions, and cables for connecting to a TV.

The **RCA VC125HF** DVD/VCR

combines space-saving convenience with a 17 in. wide cabinet. The DVD player has S-video, component and digital audio outputs, and is Dolby Digital and DTS compatible. The VCR is a four-head hi-fi unit with VCR-plus and Macrovision copy protection.

Digital Recording System

The **DGx**, a high-resolution digital recording system that can capture, compress, and store images up to 1280 x 1024 pixels, is the newest product announced by RGB Spectrum. The system supports computer, radar, video and audio acquisition, time code, and event markers. It digitizes inputs in realtime and plays back from 6 to 25 frames/sec, depending on image resolution. The **DGx** is designed for applications in simulation and training, command-and-control, and monitoring. Inputs may be computer, radar, and other high-scan-rate video signals up to 1280 x 1024 resolution. On playback, up to four images can be displayed on a single monitor.

Edit Desk

Winsted Corp. has introduced a new three-piece multimedia desk set, with casters that allow a user to reposition the unit to fit any changing need. The new **VersaDesk E4242** editing workstation consists of a 59 in. wide, curved main desk 30 in. deep, with a 15 in. deep monitor riser and two side rack cabinets, each with 24 1/2 in. of equipment space and a 33 3/4-in wide by 35-in. deep laminated tabletop to provide more equipment or monitor space. All work surfaces are of black granite laminate with black contour edge molding. Desk legs and rack cabinet sub-structure are made of heavy-duty steel. Rack accessories, such as pullout drawers and blank panels, are available from Winsted.

Monitors

A 50-in. RCA Scenium Liquid Crystal on Silicon (LCOS) HDTV set high-

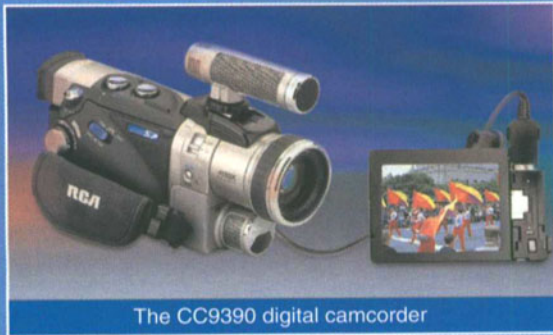
lights a new line announced by Thomson multimedia. At about 100 lbs, the **LCOS L50000** weighs 60% less than a comparable projection TV. It will display up to 2.76 million individually addressable pixels through its 3-imager matrix display, and can deliver HDTV at full, progressive, 1280 x 720 resolution with a horizontal viewing angle of virtually 180°. The **L50000** features a 3-D Y/C digital frame comb filter to eliminate dot and edge crawl while providing smoother transitions between scene changes. Digital audio optical output, V-chip parental control, NTSC twin tuner picture-in-picture, and a replaceable lamp assembly are included.

A flat-panel package only 4-in. deep comprises the **PHD50300** plasma HDTV monitor. Offering 580:1 contrast ratio and a 3-D Y/C digital frame comb filter, the monitor has display capability for both 720p and 1080i signals, and a digital video resolution of 1365 x 768.

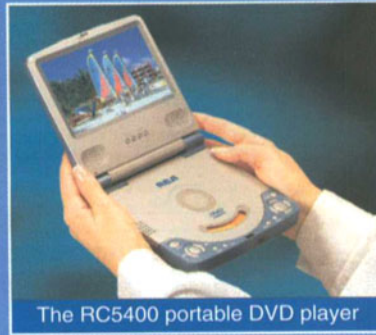
The 65-in. widescreen rear projection **HD65W20** offers a built-in all-format ATSC decoder as well as a built-in all-format DirectTV receiver. With more than 1.5-million pixels of digital video resolution, this HDTV features a high-definition optical system, hi-gain dark-tint screen, high-resolution projection tubes, Intellifocus auto convergence, and a built-in screen protector.

The RCA Scenium range also includes two standard (4:3) aspect ratio HDTV monitors, models **D36TF20** (36-in.) and **D32TF20** (32-in.), both featuring NTSC picture-in-picture, SRS focus audio, v-chip parental control, three sets of S-video/composite rear input jacks, and a backlit universal remote.

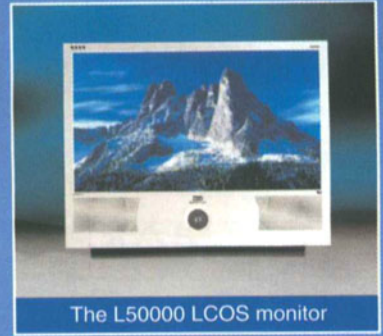
Leader Instruments Corp. has introduced the **LV5170D**, a multiformat, HD/SDI waveform/vectorscope monitor, with dual CRT's. Extensive monitoring functions include waveform, vector, picture, and stereo monitoring. The **LV5170D** accepts two SDI inputs switchable from the front panel, and provides a buffered SDI output from the feed selected. Input selection includes a 3-wire analog input. An



The CC9390 digital camcorder



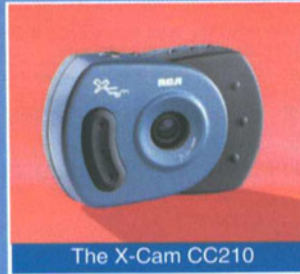
The RC5400 portable DVD player



The L50000 LCOS monitor



The RCA VC125HF DVD player



The X-Cam CC210



E424 multimedia edit desk

error detection system spots CRC errors in video, audio, and ANC data. Monitoring facilities include data capture that is triggered by selected line number or detected error and reads out hex data for the selected line and addresses. Options include HD eye pattern or SD-SDI including SD eye pattern and 480p analog.

Single-Chip Integrated Circuit

Matsushita Electric (Panasonic) has announced development of an advanced, single-chip vestigial side-band (VSB) digital demodulation large-scale integrated circuit (LSI) for U.S. digital terrestrial broadcasting receivers. One of the new LSI's key advantages is to enable wider and more stable indoor antenna reception; it will also reduce both dynamic and static multipath interference, with 100 times the effectiveness of previous Panasonic chips. By achieving such advanced efficiency in a much smaller package, the new LSI consumes far less power than its predecessors.

Videotape Recorder

Panasonic Broadcast has introduced the **AJ-D455** DVCPRO studio editing VTR. The unit records in DVCPRO,

standard DV, and mini-DV formats, and plays back DVCPRO, DV, and DVCAM formats. It features a built-in SMPTE time code generator and reader, and a 9-pin serial remote (RS422A) terminal, which permits it to be used with an external editing controller for frame accurate (+/-0) frame editing. Its control track contains color-frame information for perfectly color-framed edits.

Leader Instruments Corp., tel: (800) 645-5104; website: www.LeaderUSA.com

Matsushita Electric Industrial Co. Ltd., (Panasonic), tel: (201) 348-7182; e-mail: pritchardw@panasonic.com

Panasonic Broadcast & Television Systems Co., tel: (800) 528-8601; website: www.panasonic.com/broadcast

RCA and RCA Scenium, c/o Thomson multimedia, tel: (317) 587-4450; website: www.rcascenium.com

RGB Spectrum, tel: (510) 814-7000; website: www.rgb.com

The Winsted Corp., tel: (952) 944-9050; website: www.winsted.com

OBITUARIES

J. James Gibson, a life member of SMPTE, died on May 16, at age 78. Gibson was a Fellow on the technical staff at the David Sarnoff Research Center in Princeton, NJ, where his work was primarily in research and development. He held 15 patents acquired during his long career with RCA Laboratories, and had contributed articles to more than a dozen publications. A senior member of IEEE, Gibson was responsible for developing RCA's Mini State TV antenna. His work was extensive, reaching into the fields of television and radio, communications and computers, videodisc, digital audio, television receivers, and TV antennas. At his death he was a consultant for Signal Systems Research.

Richard C. Hilton, Jr., died in May at age 64. Hilton was an electrical engineer who designed color TV receiver circuitry for various manufacturers from 1960 to 1969, and cable TV and master antenna distribution systems after that. He was a senior staff scientist at Quantum Science Corp., a project engineer for Packard Bell, and a product design engineer for General Electric. Hilton joined SMPTE in 1977 and remained an active member until his death.