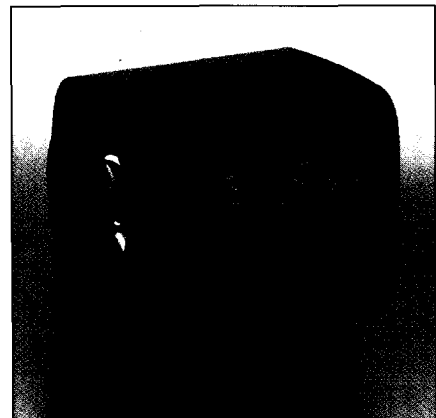# New Products Meet Challenge Of Efficiency, Cost Effectiveness

Making products more efficient and cost effective is a continual challenge.

In the case of CCTV cameras, the use of 1/3-inch size cameras has increased because of price drops. In response, Philips Communication & Security Systems, Lancaster, Pa., has developed the Direct Drive Lens.

Electronics Put Into Camera Itself

"The electronics have been taken from the lenses and now put into the camera itself," explains Fred Lipson,

The new "ECO"nomical CCTV Zoom Lenses from International Space Optics are compact in size and offer a removable auto iris cable assembly.

manager, special accounts. Philips keeps adding to its variety of Direct Drive Lenses and now has four in its line, Lipson says.

Because of built-in electronics, iris control of the lens has been improving over the last 15 to 20 years, Lipson says, and this is just another example.

In most indoor situations, the lighting condition does not change and you can use manual iris. But when there is variable light due to bright sunlight or low light conditions the automatic iris is needed, Lipson explains.

As a reminder, Lipson says, you need to have a video level standard of 1V

peak to peak composite — ultimate output to monitor. You can go 1.1V or 1.2V at the higher end and .09V at the lower end and still be within range.

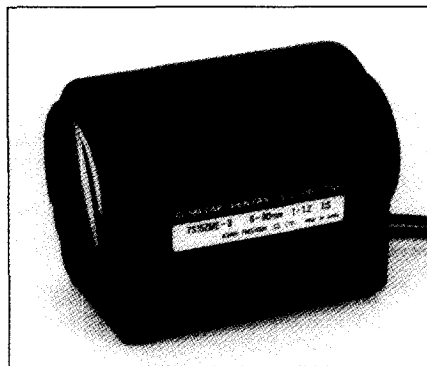In the future Lipson expects inexpensive lenses to fit many applications.

Removable Auto-iris Cable Assembly

In July International Space Optics, Huntington Beach, Calif., introduced a small zoom lens with a removable auto-iris cable assembly.

International Space Optics also has a cable assembly that is removable, making it easier to change the lens or put the same lens into another camera, says Cynthia Ford, director of sales and marketing. It is already pre-wired, eliminating the time it takes to cut and re-solder wires and avoiding the risk of a mistake. And it can be used on anybody's camera, Ford adds.

Zoom Lens Update

An update of its zoom lens came out in August from Pentax, Englewood,

Just put on the market by Pentax is its 15X zoom 1/3-inch motorized zoom lens with an auto iris.

Colo. The new 15X zoom lens follows the 10X and 6X zoom lenses that came out a year ago, says Kenny Okochi, sales administrator. It increases the lens's broad range from wide angle down to a very small spot, he says.

Early next spring Pentax will come

On the Market

PC in Camera

The Observer, a complete PC in a camera, from MRT micro, Inc., is 100% PC-compatible and contains a PC processor module, a camera, a high resolution video digitizer, a miniature hard disk and a choice of modem or network card for external communication links.

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High Resolution Cameras

Philips Electronics is introducing a new series of cameras. The monochrome VC34/64 series use very high resolution (768 x 492 pixels) with line lock and 24 VAC. It has a low light level capability down to 0.05 lux. The color VC44/74 series are digitally processed, very high resolution 768 x 492 pix cameras powered with only 5V DC, less than 2.5W and have the same backlight compensation as monochrome plus a remotable CCD head.
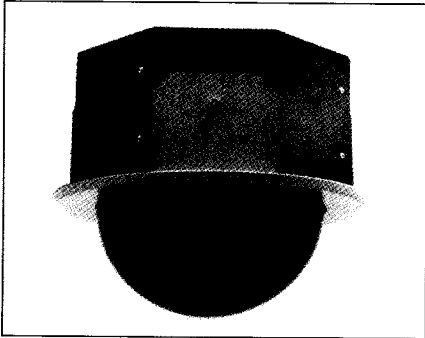
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New Multiplexers

Three new multiplexers, in color and B&W models, are available from Sensormatic Electronics' Video Products Division. The units — the AD 1481/16, AD1581/9 and the AD 1581/16 — can simultaneously record up to 16 cameras to one VCR. They carry the American Dynamics label. Each one displays "live" single images from any camera or auto formats all connected cameras while simultaneously tape recording full size pictures from all cameras.

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out with yet another update, a 20X zoom lens, Okochi adds.

New Domes from Pelco

On the aesthetic side, Pelco, Clovis, Calif., has launched a new series of domes. The DF8 Series camera domes

New from Pelco is the DF8 Series fixed-mount camera domes. All aluminum, they are a fully adjustable 360° mounting system.

for fixed ceiling mount came out in July.

"They look better than ceiling mounted cameras," says Howard Carder, marketing communications manager. "There is no more exposed power wire and coax sticking out of the ceiling. It is more attractive in retail, gaming and hotel settings," he says.

The domes are fully adjustable with a 360° camera mounting system. And can be installed in hard ceilings or standard suspended ceilings with as little as six inches of space above the ceiling. ■

For More Information

Refinement Marks Single Cable Coax Control Updates

Evolution and refinement are the bedrock of technological developments. Often the longer a product has been out, the better it gets.
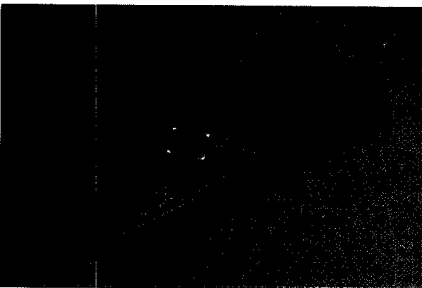
This is exemplified in single cable coax controls. Not only has the basic product improved, but so have ways of operating it.

Procedures are being made more simplistic, says Ray Pagano, president, Videolarm, Decatur, Ga. And at the same time, the system is becoming field expandable, he adds.

Inputs Up from Videolarm

Talking about Videolarm's VLC200T Coaxlynx Controls, which came on the market about a year and a half ago, Pagano says their latest update was introduced this spring. It is now upgradable to 16 video inputs and three output channels.

One of its improved features is that now the receiver/driver is built onto the pan/tilt as an integral part of the P/T. Before, the receiver/driver had to

Videolarm's VLC200T single wire coax control system is upgradable to include 16 video input and three output channels.

be ordered separately.

Features that previously were options are now standard on the VLC200T, Pagano says. These include: Random scan; P/T test functions; auxiliaries from central control stations (open gate, close gate; turn on lights); sequential alarming; acceptance of all voltages, 224V, 115V and 24VAC to power a 240v, 115v or 24VAC P/T or scanner.

A second unit can be used in a master/slave configuration for camera control from an additional location, Pagano
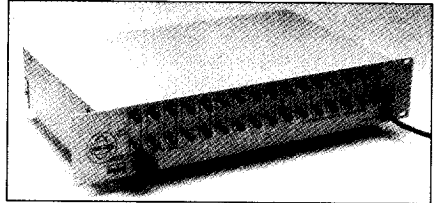
adds. One unit can be in the officer's control center, Pagano explains, and another in the chief executive's office.

A flip of the switch changes one from master to slave. Before, they had to be separate units. Now they are interchangeable, which makes installation easy and avoids mistakes, he adds.

Another feature is that now it is not necessary to specify a rack, wall, or desktop model. The VLC200T can do any one of the three options, Pagano explains.

Update from Pelco

Pelco, Clovis, Calif., has an update to its single cable coax system. In March Pelco came out with the CM9750 data translator that can be used to seamlessly upgrade any existing Pelco Coax-

Pelco's System 9750 Coaxitron Translator allows for an upgrade of any existing Pelco Coaxitron Matrix to a System 9750.

itron Matrix to a System 9750. Existing domes, enclosures and receiver/drivers can be used.

It allows customers to convert to twisted pair control, giving it the advantage of a larger system, says Jim Milam, Pelco Technical Sales. When the entire 9750 system is used there can be 1,024 inputs and 64 monitor outputs, Milam says. ■

For More Information

Tech News

Public Key Infrastructure — Certicom Corp., Toronto, an information security company, will participate in an initiative by U.S. Commerce Department's National Institute of Standards and Technology. The initiative will lead to developing elements of a public key infrastructure that will enable individuals and organizations who have never met to electronically send and receive documents that have been digitally signed.