

RICOH®

Digital Camera
Digital Camera Division

COMDEX Coverage 2001

iMOVE



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Executive Summary

COMDEX served as the launch vehicle for the iMove system and the Caplio RR1 digital camera. Our goal was to generate buzz and to drive traffic to the Ricoh booth at the Digital Focus Event and COMDEX itself.

iMove was targeted towards enterprise level media and analysts as well as the vertical and “WiFi” influencers. News was specifically crafted and distributed individually to all targets in advance of the release distribution in order to increase visibility of the Ricoh brand in the flurry of industry news surrounding COMDEX.

The Caplio RR1 followed the same strategy. FutureWorks, targeted general imaging and PC press in advance of the news to ensure coverage at the show. FW also sent cameras to select media reviewers in order to promote the product in “sneak peak” reviews at several influential Web sites.

The coverage and buzz generated around both launches was phenomenal, gracing the front pages of several prominent news sites including CNN, MSNBC, CNET and ZDNET. Traffic at Digital Focus and COMDEX was nonstop with each wave compounding as news circulated throughout the show. To date, we have only realized a fraction of the total coverage expected in online and print publications.

iMove Coverage Highlights & Links

North America



Ricoh Melds Digicam and 802.11 Functionality

www.80211-planet.com/news/article/0,4000,1481_920791,00.html



ANCHOR DESK – COMDEX FALL 2001

Here are 10 interesting products from Comdex--some I like a lot more than others, but all are worth spending a few minutes to understand. Ricoh's new iMove digital camera uses 802.11b wireless technology and a mini-Web server to shuttle photos between a home office and a worker in the field

<http://www.zdnet.com/special/stories/report/0,13518,2825067,00.html>



VIDEO

SPECIAL REPORT



Video from Comdex--iMove Get your first look at the Ricoh iMove, straight from the show floor at Comdex 2001

www.zdnet.com/enterprise/filters/resources/0,10227,6008651,00.html

www.zdnet.com/enterprise/filters/resources/0,10227,6008651,00.html



From Comdex--iMove

John Ellis, Ricoh

Date: 11-12-2001

Program

[Play Video](#)

Broadband - Tech News - CNET.com

news.cnet.com/news/0-4204072.html



Device makers expand on wireless...Ricoh showed off the iMove, a networked video camera containing 802.11b wireless capabilities.

Communications - Tech News - CNET.com

news.cnet.com/news/0-1004.html

<http://news.cnet.com/news/0-1006-200-7847793.html>



Comdex 2001 - Tech Trends - CNET.com

Ricoh iMove It looks like a camera, but really it's a wireless network device. It offers a built in Web server and works with 802.11 standards.

weekinreview.cnet.com/techtrends/0-7572330-8-7852719-3.html



RCR Wireless News

"The Ricoh iMove system is a breakthrough in digital imaging technology that makes remote digital imaging technology that makes remote mobile surveillance a realistic and critical component of any project."

www.rcrnews.com/cgi-bin/news.pl?newsId=1135



Technology
COMDEX

**** New gadgets stress mobility ****

At this year's Comdex, some offerings from tech manufacturers stretched the limits of the human ability to multitask. The quest to cram functions into a single device is reaching the breaking point.

http://www.msnbc.com/modules/exports/ct_email.asp?/news/658818.asp



In a preview for journalists of mobile and wireless products at Comdex Fall 2001, Tokyo-based Ricoh has showcased a new product that combines a wireless LAN and a digital camera in one package.

<http://www.cnn.com/2001/TECH/ptech/11/13/comdex.mobile.releases.idg/index.html>

COMPUTERWORLD

Comdex: Mobile and wireless offerings previewed....with Ricoh grabbing attention with its combined camera and wireless LAN product aimed at the enterprise market.

http://www.computerworld.com/itresources/rcstory/0,4167,STO65615_KEY407,00.html



Wireless imaging solution turns digital camera into remote site monitor

http://pd.pennnet.com/Articles/Article_Display.cfm?Section=OnlineArticles&Subsection=Display&ARTICLE_ID=126243&KEYWORD=ricoh

Associated Press story written by May Wong was picked-up in the following publications:

USATODAY.com

Tech Reviews

Mobility is the word at Comdex... Ricoh's new iMove digital camera uses the Wi-Fi wireless networking standard to transfer images...

www.usatoday.com/life/cyber/tech/review/2001/11/16/comdex-mobility.htm

floridatoday.com

<http://www.floridatoday.com/news/business/stories/2001/nov/bus112501a.htm>

The Register-Guard

www.registerguard.com | eugene, oregon, usa

<http://www.registerguard.com/news/20011120/3b.bz.gadgets.1120.html>



http://braden.infi.net/content/bradenton/2001/11/18/business/1118comdex_1b.htm

Chicago Tribune

New gadgets pack high-tech punch. At this year's Comdex, some offerings from tech manufacturers stretched the limits of the human ability to multitask.

Print Copy



<http://www.canada.com/vancouver/theprovince/story.asp?id={69F18683-3AC0-4FB6-8A48-9DACDAAE6B53}>

<http://www.washingtonpost.com/wp-dyn/articles/A38334-2001Nov16.html>



<http://web.tallahasseedemocrat.com/content/tallahassee/2001/11/16/business/1116.biz.qadgets.htm>



<http://www.modbee.com/24hour/technology/story/171257p-1653724c.html>

Worldwide

[Les Echos - Secteur Hightech](#) - [[Translate this page](#)]

... et autres utilisateurs du dimanche ne trouveront pas l'**iMove** dans leurs magasins préférés : **Ricoh** le positionne comme un outil de travail. Principaux ...
www.lesechos.fr/secteurs/echosnet/article/ECN_949616.htm

[ZDNet \[UK\] - News - Developer - Story - Comdex 2001: ...](#)

... **Ricoh**, meanwhile, showed off the **iMove**, a networked video camera containing 802.11b wireless capabilities. The camera, and its wireless base station, is aimed ...
news.zdnet.co.uk/story/0,,t356-s2099055,00.html



COMPLETE IMOVE COVERAGE



Device makers expand on wireless

After several years of promotion by hardware manufacturers, wireless computing appears to be heading for the watershed of mass acceptance.

By Stephen Shankland, Michael Kanellos, November 12, 2001

LAS VEGAS--After several years of promotion by hardware manufacturers, wireless computing appears to be heading for the watershed of mass acceptance.

Consumer electronics manufacturers are increasingly incorporating one form or another of wireless networking--typically the systems known as 802.11b or Bluetooth--into notebooks and other devices, according to product managers at Mobile Focus, a product showcase that took place on the eve of the Comdex trade show here. Last year, many manufacturers merely showed off products that eventually would include wireless capabilities. Now, those products are starting to hit the market.

In many ways, these new devices can be considered full-fledged Internet appliances as they connect directly to the Web, or through a cell phone bridge, rather than through a PC.

Sony, for instance, is unveiling a networked Handycam that contains an integrated Bluetooth chip at Comdex this week. With the camera and a cell phone, consumers will be able to send digital video clips or still shots from remote locations across the Internet. Conversely, users can download Internet data to the camera and then inspect the results through the camera's viewfinder, said Alan Jason, director of marketing at Sony's digital imaging division.

You can go to Mapquest for directions, he said. You can download e-mail.

The camera, which will cost about \$2,000 when it hits shelves in February, also comes with a Bluetooth module for cell phones, in case the phone lacks an internal chip. The lack of infrastructure has been cited as one of the reasons the technology has taken longer than expected to take off. Sony chose Bluetooth over other wireless standards because it uses less battery power than 802.11b, Jason added.

Ricoh, meanwhile, showed off the iMove, a networked video camera containing 802.11b wireless capabilities. The camera, and its wireless base station, is aimed at industrial customers, such as construction companies, that want to create ad hoc videoconferences. As with the Sony camera, PCs aren't necessary.

The attraction for business users is easy to see for companies with a dispersed work force, manufacturers say. There are a lot of instances where you need a supervisor who is across the country, said Jim Lengyel, a Ricoh representative.

Notebook manufacturers, of course, are increasingly proliferating wireless across their lines. All Dell Computer notebooks now ship with an integrated 802.11b antennae, said Anne Camden, a Dell spokeswoman, although the transmitter is still sold separately.

And customer acceptance is growing. Nearly 50 percent of all education customers buy wireless capabilities. Fujitsu and NEC are also increasingly emphasizing wireless capabilities, representatives from those companies said.

Blurring the product lines

The line between cell phones and handhelds also continues to blur. In part of a gradual rise from obscurity, Korean phone maker LG Infocomm showed its TM-910 smart phone, a "2.5G" phone that builds faster data transfer speeds on top of current mobile phone technology. The TM-910 will ship in the first quarter of 2002 in conjunction with service from Verizon, and in a first for LG, will sport the company's logo along with the Verizon name.

"It's a huge coup for LG," said spokeswoman Jennifer Laird, referring to the better prominence for the LG

name.

The TM-910 is smaller than most U.S. cell phones and is more sophisticated than the current 3000 model that LG builds for Sprint, Lairdsaid. A panel can flip open to reveal a larger screen with icons for editing contact lists, writing memos or playing games, and Bluetooth wireless capability will arrive later next year. It can sync contact lists with Outlook, Act and Lotus Notes.

Nokia showed its upcoming 9290 mobile communicator, a combination cell phone-handheld computer running the Symbian operating system and with the ability to run Java programs as well. It's expected to go on sale in the United States in the spring with a price of about \$799, said spokesman Keith Nowak.

Nokia showed the system running the Doom video game on its 640-by-200-pixel color screen, but most customers are expected to be corporate types such as salespeople connecting to corporate databases. With client software from Citrix, the 9290 also can be used to control conventional Windows software that's running on a server. The system uses a 32-bit ARM9 processor.

Palm showed off some improvements from partners, including a Bluetooth module from TDK.

The \$199 BlueM Bluetooth module lets a Palm connect to the Internet with the help of a Bluetooth-enabled cell phone nearby. With features inversion 4 of Palm's operating system, it can send short messages to cellphones or send dial commands to cell phones, McDonnell said. The BlueM is awaiting Federal Communications Commission approval and should be available soon, he said.

Many manufacturers are concentrating for the moment on PocketPC or Palm accessories. Hewlett-Packard and Northstar, for example, are showing off miniature snap-on keyboards for, respectively, HP's Jornada and the Palm. The keyboards resemble the chiclet keyboard found on the Blackberry pager from Research in Motion and range in price from \$49 to \$59.

Sony also showed off its first add-on for its Clie handheld, a mini-camera that plugs into the Memory Stick slot on the Clie. The module, which will sell for \$150, will come out later this month, said Russell Paik, vice president and general manager of Sony's Clie division. Other add-ons are likely to follow, Paik added.

For the portable storage market, Sony on Monday will release the Microvolt, a flash memory card that plugs into the USB slot of a PC. The cards, which hold between 16MB and 128MB of data, are designed to give office users an easier way to transfer files. The device is similar to the company's Memory Stick product. Microvolt, however, can be used in many more PCs as it fits into the USB slot and doesn't require the Memory Stick port.

SanDisk, meanwhile, is showing off 1GB CompactFlash cards this week, which the Sunnyvale, Calif.-based company claims will be the densest portable flash cards on the market.

Toshiba will release a 2.2-megapixel digital camera and a \$4,499 digital projector Monday, the company said. The \$279 PDR-M25 digital camera has a 3X optical zoom lens with an effective focal length of 38mm-114mm and a 3x digital zoom. Sony will also announce a 5-megapixel camera.

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internet.com

802.11 News

Ricoh Melds Digicam and 802.11 Functionality

By Matthew Peretz



On Monday at COMDEX, Ricoh Corporation plans to show just how well its new RDC-i700 Internet Ready Digital Camera works in conjunction with 802.11 technology.

The i700 will be used in conjunction with Ricoh's iMove (Internet Mobile Observation System) system to convert images and transmit them in real-time over a WLAN. Such a setup would enable project managers to remotely monitor surveillance teams in the field. Users can receive live video feeds on the camera and also capture 3 megapixel images that automatically transfer to an archiving site.

The camera itself broadcasts a 320x240 pixel image to a Web browser at a rate of 10 frames per second. It comes in a weatherproof housing and could be used in harsh environments like construction, medical, and disaster industries. The iMove system is capable of monitoring multiple cameras simultaneously. Operating range in the 802.11-based system would be limited to approximately 300 feet from an access point, or according to Ricoh, up to 3 miles with proprietary wireless solutions.

The i700 itself is a 3.34 megapixel, Internet-ready camera capable of image transfer, sending/receiving e-mail including attachments, sending images to fax machines, Web surfing, html document creation with images, and FTP data and image transfers. The iMove system includes the RDC-i700 digital camera, a palm-sized 802.11 bridge for access point connectivity, and a PCMCIA LAN card. The system is priced at \$2,500, according to the company, and can be purchased by calling Ricoh at 909-890-9039. Detailed specs on the camera can also be found at the [Ricoh Web site](#).

November 9, 2001



[iMove captures pictures on the road](#)

Ricoh's new digital camera uses 802.11 wireless technology and a mini-Web server to shuttle photos between a home office and a worker in the field, for example.



From Comdex--iMove

John Ellis, Ricoh
Monday, November 12, 2001, 2:30 p.m. PT
Running time: 1 minutes 24 seconds

Get your first look at the Ricoh iMove, straight from the show floor at Comdex 2001. For complete coverage of the important products at the show and exclusive videos of all the keynotes, see our special report.

10 Comdex products you need to see (and can)



David Coursey
11/15/2001

AnchorDesk from ZDWire

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One of the challenges of writing this column is that I have a 600-word daily limit. So I can't possibly do justice to all the interesting--whether good or bad--products on display at an event like Comdex. It would take me a month or two--writing in neat 600-word chunks--to cover all of what I'd like to share with you. Fortunately, there's a more efficient way, made possible by the video team here at ZDNet. So I'll use some of their video reports--along with my own comments--to give you a glimpse of what I found interesting at Comdex.

Over the coming weeks, I'll look at some of these products in more detail and also cover some that didn't make it into ZDNet's Broadband Hit Parade. But since a photo is worth a thousand words and video many times that, being able to link to video of products I want to write about is an arrangement just too good to refuse.

So here are 10 interesting products from Comdex--some I like a lot more than others, but all are worth spending a few minutes to understand.

A diminutive digital camera?

So claims Olympus about its Camedia D-40 Zoom, which is as large as a deck of cards. There were a bunch of digital cameras at Comdex, though none of the ones I saw were especially innovative. All the big latest and greatest digital cameras have already been introduced--so they'd be in time for holiday shopping. Smaller is better, it's true. But I'm more interested in getting more pixels and better lenses for less money. I did, however, see more cameras being used as security products--using an image of your face or your iris to authenticate your identity, for example. But it's really hard to think of these biometric methods as a "Kodak moment." Click here to see the video of the Olympus Camedia D-40 Zoom.

E-mail, phone calls anywhere

It's a PDA...no, it's a cell phone. Handspring's Treo, priced at \$399, is a handheld organizer that doubles as a phone and fits right in your pocket. I am not wild about the Treo, finding it too square to be easily held and not liking the clear opening in the cover so you can see the screen when the unit is flipped closed. Handspring has predicted selling a million of these, and as much as I like the keyboard on some of the Treo models, I can't imagine sales being that good. I'll keep my Kyocera phone-organizer combo. Click here to see the video of the Handspring Treo.

Cyberpen, cyberpaper?

Anoto technology lets you use the Ericsson Chat Pen to write a message on "special" paper, transmit that message via a cell phone, and read it as e-mail on a PC. I saw this as well as the product that allows a paper notepad to be used as an entry device for a Palm PDA. So far these things have been the Edsels of both mobile and pen-based computing. I run away whenever I see one. Click here to see the video of the Ericsson Chat Pen.

A mechanical pup with personality

Pound dogs just not cool enough? Try Sony's latest breed, the Aibo ERS-220. For a mere \$1,500, this dog won't fetch the paper, but it will read you your e-mail. A friend saw this and asked me if it was really worth the money. Of course not, but since Sony can't expect to sell a zillion of these maybe the price really does represent the cost of design and manufacture. And while this seems like a lot of money for an electronic pet, my two cats have already set me back much more than this--for 2001 alone--in food, supplies, and vet bills. And they can't even read me my e-mail. They are, however, very warm at night--when not walking over my face, of course. Click here to see the video of the Sony Aibo ERS-220.

Thin is in

Silver and sleek, the Samsung SyncMaster 171MP is a preview of monitors to come. But at \$1,399 for a 17-inch screen, will consumers go for it? While this is way too pricey for normal folks, I can think of very few reasons to buy a traditional CRT-based monitor anymore. Very nice LCD panels are available for \$300-\$400 and someone who really likes me would send one as a Christmas gift. The next computer I buy will include a flat screen, no doubt. Yours should, too. Click here to see the video of the Samsung SyncMaster 171MP.

Plasma is picture-perfect

Are you a couch potato who needs the very latest in TV technology? For \$6,000, you can watch your soaps on the Sony Plasma Flat-Panel TV. Plasma is the one display technology that never seems to come down in price. A rich dot-com friend of mine put a plasma monitor on the wall in his bedroom and discovered it put out so much IR that the remote control failed to work--or not until he moved the sensor around the corner to another wall. But then he had to move around to use the remote, which sort of defeated the purpose. Click here to see the video of the Sony Plasma Flat-Panel TV.

Cell phone, meet handheld

Finnish phone maker Nokia says its 9290 Communicator is the next step in convergence devices, but will corporate users dial in to the concept? It won't be available in the United States until next year. Nokia says it's the best-selling PDA in Europe. It won't be here, but it does outdo the functionality of the other phone-PDA's I've seen, if at a significant weight-and-size penalty. On the other hand, it's pretty hard to lose. Click here to see the video of the Nokia 9290 Communicator.

Wireless picture postcards

Ricoh's new iMove digital camera uses 802.11b wireless technology and a mini-Web server to shuttle photos between a home office and a worker in the field, for example. This may seem somewhat useless--unless you happen to be an emergency worker who needs to show an injury to a doctor miles away. Then the ability to wirelessly send pictures makes sense. But 802.11b isn't really the way to do this because you need to be fairly close--even with special antennas--to an 802.11b wireless access point. Nevertheless, I think this product category has a future. Click here to see the video of the **Ricoh iMove** .

Look, ma, no wires

Sony's upcoming Networked Handycam uses Bluetooth technology to connect to the Internet, and send that great picture of your vacation to family and friends. Sony is a master of tacking technology onto technology just for technology's sake. This is an example. Click here to see the video of the Sony Networked Handycam.

No, it's not paper (but folds like it)

Fold it one way, it's a video camera. Fold it another way, it's a videoconferencing station. The Origami Mobile Communicator from National Semiconductor takes a lesson from the ancient Asian art form. I played with this technological Swiss Army Knife for a few minutes. It's only a concept PC right now. But I can't believe National Semi is serious about turning it into a real product. It just seems too silly. But it's not as awkward or as heavy--it's only 10 oz.--as it looks. Now, if they can just keep people from looking stupid while unfolding it. Click here to see the video of the Origami Mobile Communicator.

So there you have 10 of the most noteworthy--make that worthy--products I could find this week in Las Vegas. Are they earthshaking? Not really. But each represents a trend--some better than others--that I am expecting to see play out before Fall Comdex 2002.

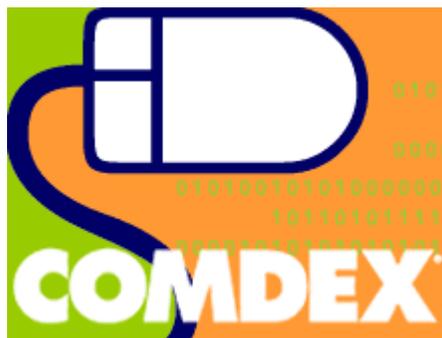
Which of these gizmos excite you? Which will crash and burn? Did you see anything more interesting at Comdex? TalkBack to me!



Comdex: Mobile and wireless previews

November 13, 2001 Posted at: 10:30 a.m. EST (1530 GMT)

From...
COMPUTERWORLD
AN IDG.net SITE



By Bob Brewin

(IDG) -- In a preview for journalists of mobile and wireless products at Comdex Fall 2001, Tokyo-based Ricoh has showcased a new product that combines a wireless LAN and a digital camera in one package.

Aimed directly at enterprise markets, the new Internet Mobile Observation Equipment (iMove) combines an RDC-1700 digital camera with a hand-size wireless 802.11x card capable of transmitting moving images at the rate of 10 frames per second over the Internet, according to Jeff Lengyel, marketing manager of the digital camera division at the company's United States division

in San Bernardino, California.

Lengyel says that the iMove, which sells for \$2,500, could also transmit still images at a three-megapixel resolution.

Target markets for the iMove include the transportation industry and construction industry, where the new product allows off-site supervisors to observe the progress of remote jobs. According to Lengyel, one corporate customer, which he declines to identify, is already using the equipment to remotely inspect "suspicious" cargo.

Other vertical industries targeted by Ricoh for the iMove include security, remote monitoring and insurance -- for real-time damage assessment by remote claims adjusters. Ricoh is also targeting the health care industry, where the new product can be used for patient monitoring and medical education.

Each camera has its own Internet protocol (IP) address and can operate over the industry standard 802.11b as well as newer and faster (54M bit/sec. vs. 11M bit/sec.) wireless LAN protocols. The iMove system is definitely an enterprise and not a consumer product, says Lengyel. "We will not sell this into the consumer market."



Joe Cavaretta / AP

A 'virtual keyboard' from Samsung was one of the attention grabbers at Comdex this week.

New gadgets stress mobility

Offerings at Comdex stretch limits of ability to multitask

ASSOCIATED PRESS

LAS VEGAS, Nov. 16 — At this year's Comdex, some offerings from tech manufacturers stretched the limits of the human ability to multitask. The quest to cram functions into a single device is reaching the breaking point. Samsung, for one, announced a TV Phone with a 1.8-inch screen that lets users watch television, manage their contacts, to-do lists and calendar data, or chat on the built-in cell phone. The device so far is only available in South Korea. And true to the wherever-you-are-you-can-Web-surf motto of today's techno-hip, all sorts of devices were jam-packed with Web-browsing, e-mail and messaging features.

HANDSPRING SHOWED OFF a new appliance that has already elicited a buzz — a combined personal digital assistant-cum-cell phone and two-way pager call the Treo that is due out in early 2002.

It may be no news that cell phones are no longer just phones. But digital video cameras?

Several models equipped with wireless Internet capability were novelties at this year at the largest U.S. technology show.

Ricoh's new iMove digital camera uses the Wi-Fi wireless networking standard to transfer images while Sony Corp.'s Network Handycam uses the Bluetooth standard and also features Web-browsing and e-mail capabilities.

No longer will vacationers need to wait until they get home to send short video clips to friends over the Internet.

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Comdex: Mobile and wireless offerings previewed

BY BOB BREWIN

(November 12, 2001)

LAS VEGAS -- The combined Digital Focus/Mobile Focus press preview at the Comdex/Fall 2001 conference here last night offered little in the way of new breakthrough products, focusing instead on evolutionary advances in digital cameras and wireless and mobile computing products.

Tokyo-based Ricoh Co. showcased a new product that combines a wireless LAN and a digital camera in one package. Aimed directly at enterprise markets, the \$2,500 Internet Mobile Observation Equipment (iMove) combines an RDC-1700 digital camera with a hand-size wireless 802.11x card capable of transmitting moving images at the rate of 10 frames per second over the Internet, according to Jeff Lengyel, marketing manager of the digital camera division at the company's U.S. division in San Bernardino, Calif.

Lengyel said that iMove could also transmit still images at a three-megapixel resolution.

Target markets for iMove include the transportation and construction industries. In the latter, it could allow off-site supervisors to observe the progress of remote jobs. According to Lengyel, one customer, which he declined to identify, is already using the equipment to remotely inspect "suspicious" cargo.

Other vertical industries targeted by Ricoh for iMove include security, remote monitoring and insurance -- for real-time damage assessment by remote claims adjusters. Ricoh is also targeting the health care industry, where the new product can be used for patient monitoring and medical education.

Each camera has its own Internet Protocol address and can operate over the industry standard 802.11b as well as newer and faster (54M bit/sec. vs. 11M bit/sec.) wireless LAN protocols. The ruggedized iMove system is definitely an enterprise and not a consumer product, noted Lengyel. "We will not sell this into the consumer market," he said.



Breaking News _____

Ricoh to unveil mobile remote monitoring product

Nov. 12, 2001 2:12 PM EST

LAS VEGAS—Ricoh is preparing to unveil its iMove (Internet Mobile Observation Equipment) system, a new digital imaging product that combines 802.11b technology with Ricoh's RDC-i700 wireless Internet-ready digital camera.

The system offers real-time image transmission, which Ricoh said will allow off-site project managers to receive live video feeds from surveillance teams in the field.

"Mobile remote monitoring and surveillance has always required a significant investment in video equipment and broadcast-savvy operators, making it impractical for most time- and budget-sensitive projects," explained Jeff Lengyel of Ricoh's digital camera division. "The Ricoh iMove system is a breakthrough in digital imaging technology that makes remote mobile surveillance a realistic and critical component of any project. It saves time and money, significantly reducing the number of onsite inspections and empowering project leaders to make more informed decisions remotely."

Wireless imaging solution turns digital camera into remote site monitor

09-Nov-2001-Using 802.11 technology, a digital imaging system from Ricoh (W. Caldwell, N.J.) can transform a wireless Internet-enabled digital camera into a real-time image transmission device for field workers.

Ricoh's Internet Mobile Observation Equipment (iMove) system enables the RDC-i700 camera to transmit real-time images to off-site project managers or field workers. The camera captures images at 320 by 240 pixels to a Web browser at a rate of 10 frames/s.

Once logged on to the camera's internal graphical Web interface, viewers can control the camera in several ways. Users can also capture ultra-high resolution three-million pixel images that are automatically transferred to a secure photo sharing and archiving site. The iMove system includes video archiving of the entire feed sent by the camera, offering a visual record of past images. The system can monitor many cameras at once at a range of 300 feet from the access point when using 802.11, or up to three miles using a proprietary wireless system. Users connected to the network can view images captured by the camera from any location.

The iMove system includes the RDC-i700 digital camera, a palm-sized 802.11 bridge, and a PCMCIA LAN cards. The camera is offered in a weatherproof housing suitable for use in construction, medical, or disaster-assistance industries. The iMove system is available now for \$2500. Contact Ricoh at (909) 890-9039, or visit the Web site at www.ricoh-usa.com for further information.

http://pd.pennnet.com/Articles/Article_Display.cfm?Section=OnlineArticles&Subsection=Display&ARTICLE_ID=126243&KEYWORD=ricoh%20imove



Business

New gadgets pack high-tech punch ; Mobility, security focus of functions

May Wong, Associated Press

11/19/2001

Chicago Tribune

(Copyright 2001 by the Chicago Tribune)

At this year's Comdex, some offerings from tech manufacturers stretched the limits of the human ability to multitask. The quest to cram functions into a single device is reaching the breaking point.