

The World's Smallest & Most Lightweight
Microserver with Surveillance Camera

ViewRanger®



Realtime Remote Video & Audio -
Anytime, Anywhere!

sgi®

The World's Smallest & Most Lightweight Microserver with Surveillance Camera ?

"ViewRanger®"

By combining a powerful MJPG/MPEG-4 encoder on its credit card-sized enclosure with only approx. 100g in weight, ViewRanger holds all required features in one, single compact body. Unlike ordinary analog camera, Web camera or IP camera, ViewRanger provides all the functions including monitoring, video transmission and advanced management capabilities to build the ideal monitoring / surveillance system in the ubiquitous environment. Also, it enables 24x7 continuous and reliable operations by employing NetBSD standards.

With such mobile communications equipment as wireless LAN, PHS and FOMA® devices, ViewRanger transmits real-time video/audio data in MJPG and simultaneously saves digital images in MPEG-4 in the microserver.

Features

Compact high-performance micro encode server for any monitoring/surveillance usage

Low cost and easy installation for the wide variety of applications from large-scale monitoring/surveillance to home security

Standard all-in-one functions for video transmission and archive, Web server capabilities, motion detection, mail alerting and other required monitoring functions

24x7 continuous operations

ViewRanger



- Reliable
- Small/lightweight/less power consumption
- Audio I/O capability
- Customizable
- Analog camera connectivity with camera control
- MJPG real-time transmission
- MPEG-4 local archive
- Web server capabilities
- Advanced monitoring functions such as motion detection
- Mail alerting/center notifying functions
- Various network interfaces: 100BASE (wired), wireless, FOMA card, PHS, memory card

MJPG
Real-time (Transmission)
Encoder

Monitoring Tools such as
Motion Detection

MPEG-4
Archive (Storage)

WWW Server

Audio Tools

Mobile Communications

Mail Alerting

Micro Server ViewRanger®

Various Purposes of ViewRanger

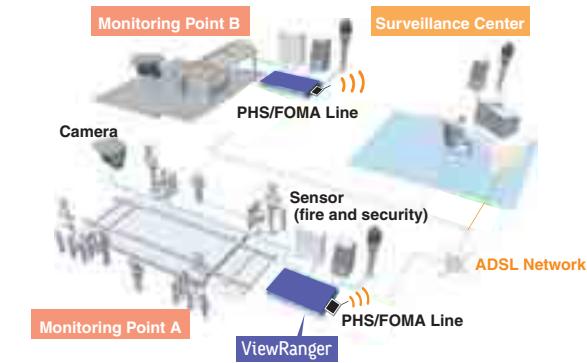
● 100Base-TX LAN, wireless LAN, PHS, FOMA lines are supported. ●

- Available via either ADSL for a full-time connection, or PHS, FOMA for on-demand connection

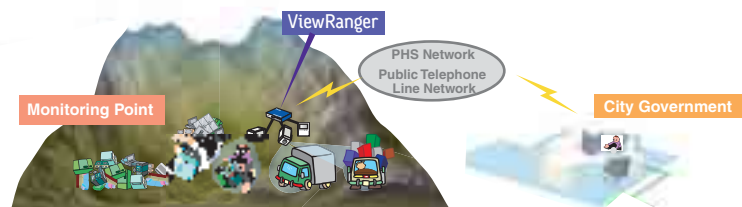
Public

Remote monitoring for unattended rail stations, bus stops, railway crossing and other remote sites

- Unattended rail stations and other unattended remote facilities
 - Quick detection of fire, prowlers and possible dangers: If a prowler enters into the facility, you can frighten the prowler by using the micro speaker from remote
 - Cost reduction by eliminating human dispatch to the monitoring site
- Bus stops
 - Announcement of unscheduled bus operations
 - Usage for bus operation schedule update
- Railway crossing
 - Avoidance of railway accidents by detecting any obstruction including pedestrians and car stoppage in the railway crossing
 - Accident cause investigation



Realtime monitoring of the water level and other environment elements of the river

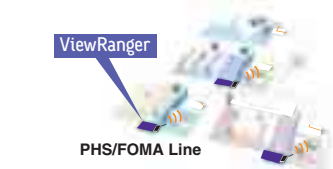
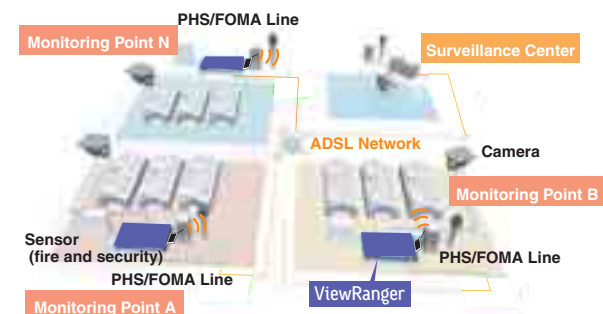


Remote monitoring of illegal waste dumping

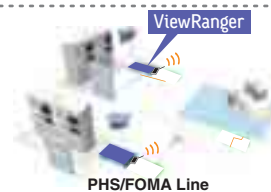
Business

Warehouse Management

- Quick detection of fire, prowlers and possible dangers
- Easy capture of factory views by either real-time or recorded image data
- Remote interlocation with the local person by a micro speaker with real-time images



Local monitoring at each store as well as remote monitoring from headquarters office or store owner's home



Remote investigation of values or counters on the control panel

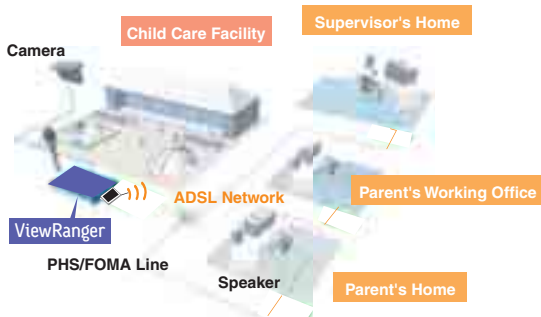


Centralized monitoring of multiple buildings and residences



Personal

Remote monitoring of kindergartens and child-care facilities

- Secure services ensuring parent's satisfactions
 - Children can be watched anytime from your home and office for secure child care
 - Perfect security with user identification function
- Quick detection of suspicious person invasion and abusive treatments
 - Monitoring of all visitors by real-time and recorded image data
 - You can check and see how your child is treated



ViewRanger Specifications

	NTSC Model	CMOS Model
Product No.	JV3-SEC-VRG-N001	JV3-SEC-VRG-C001
		
CPU	SH-4 240MHz	
ROM	Flash Memory 16MB	
RAM	64MB (SD-RAM)	
Embedded Camera	-	2M-Pixel CMOS Sensor
I/O	Video Input (BNC) x 1 (NTSC Composite)	-
	Audio Input (Mini-jack) x 1	
	Audio Output (Mini-jack) x 1	
	Console RS232C x 1 (RJ-11 6-position 6-pin connector)	-
	Digital IN x 1 bit (Non-voltage contact)	
	Serial (for camera control) RS232C x 1 (RJ-11 6-position 6-pin connector)	-
	Compact Flash card slot x 1 (Available for CF card, LAN, wireless LAN, PHS, FOMA)	
LAN	100Base-TX (RJ-45 connector)	-
OS	UNIX Compatible (NetBSD)	
Basic Functions	www server (httpd) Apache ported	
	Live video transmission (Format: JPEG, Screen size: 640x480, 320x240, 240x180, 160x120, 120x90)	Live video transmission (Format: JPEG, Screen size: 800x600, 640x480, 400x300, 320x240, 200x150, 160x120)
	Live audio I/O (Format: GSM or μ Law, Sample rate: 8KHz, 16bit)	
	Video archive (Format: MPEG-4) Embedded memory up to approx. 24MB	
Utility Software	Audio programs (for Windows)	
Enclosure Dimension	95mm(W) x 85mm(H) x 33mm(D) Excluded the size of the projected part	95mm(W) x 85mm(H) x 24mm(D) Excluded the size of the projected part
Weight	Approx. 130g	Approx. 90g
Power Consumption	2.5W	2W
Operating Environment	Temperature 0-40°C Relative humidity 20-80% non-condensing	
Power Supply	DC5V, 2A AC adaptor	
Others	Watch Dog Timer embedded, RTC embedded	

* The above specifications are as of June 1, 2004 and are subject to change without notice.

● List of Supported Cameras ●

Please contact SGI Japan's sales office for connection of any monitoring cameras or digital recorders not on the list.

Supplier	Model
SONY	EVI-D30
	EVI-G20
Canon	VC-C3
	VC-C4
	VC-C4R
	VC-C50i
	VC-C50iR
Rhythm	MD1200S
	MD1600H
	MD2000
	MD2500S

Supplier	Model
Nikko Denki Tsushin	NC-21D
Mitsubishi	CIT-7310
	CIT-7500
Mikami	PTC 203HG
	PTC 107HU
	PTC 103HU
TOA	C-CC551X
	C-CC751X
Elmo	PTC-200C
CNB	CNB-202AN

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