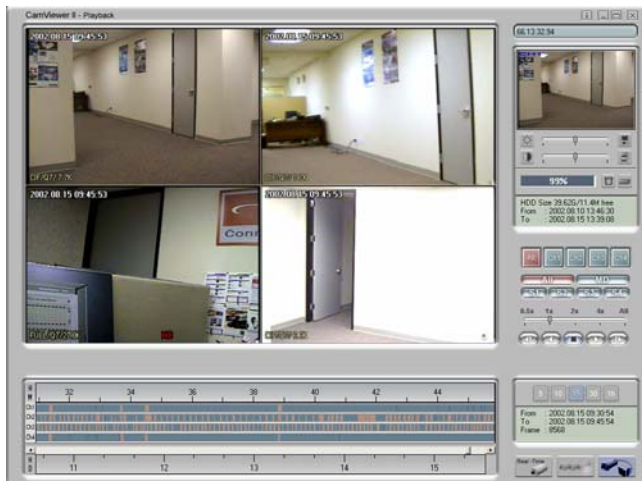# i-Rec B104

"Stand alone 4-Channel Network DVR"

The world most reliable Network DVR

<i-Rec CamViewer>

The **B104** has built-in networking board, digital image compression, and recording function. B104 is also equipped with quad split and removable HDD rack. B104 is the most reliable network DVR in the World.

In as little as ten minutes, B104 can be installed with your existing CCTV cameras and begin recording. B104 uses the most advanced image compression technology to provide TV quality video over local networks or the Internet as well as record it on internal HDD. The external BNC ports and terminal blocks allow B104 to be easily integrated into existing analog systems. The Wavelet compression technology processes analog video into crisp, court-admissible pictures that are up to 300% smaller than comparable JPEG images.

Any desktop hard drive may be used for the internal HDD.

< Playback, Monitoring, Configuration Programs >

<Rear View>

- HDD Brand: Maxtor, IBM and Fujitsu are recommended
- HDD RPM: 7200 RPM is required to secure 30frames per second recording-speed.

i-Rec B104 *"Perfect Security Guard"*

Specifications

Hardware
32bit RISC Embedded processor
Flash memory: 8Mbyte
RAM: 16Mbyte
OS: Embedded Linux

Storage Device
Removable HDD Rack
(Any Desktop HDD is compatible)

Image Resolution Control
720X486, 720X243, 360X243, 180X121, 90X60

Image Compression
Compression Algorithm: Wavelet
Compression Rate: 10:1 ~200:1

Performance (on 360X243)
Transfer Rate: Max up to 30fps(NTSC) / 25fps(PAL)

Video Channel
NTSC or PAL video format are supported
4Ch. External Video Input (BNC Connector)

Management and Software Upgrades
Remote System Configuration via Network
Software Upgrades via Network

Security
Password (Based User or Administration Authentication)
IP-filtering (Secure Mode)
Image Encryption

Alarms and I/O
Software-controlled four alarms inputs
Software-controlled four alarms outputs

MISC. function
High Quality Image Area Setting
Image Quality Control (10 Levels)
Off-line recording
Remote data back-up
Self-contained file system
Configurable recording conditions
(time, sensor, recording speed……)
Schedule recording

Simultaneous User Support
Monitoring: Max. 5 persons.
Playback and Administration: 1 person

Power Supply (included)
Input: AC 100~240V, 50~60 Hz, 0.3A
Output: DC 12V, 1.5A

CamViewer System Requirements
Processor: Pentium II 266 and above
(Pentium III 500 recommended)
Ram: 64 MB and above
OS: Windows 98/Me/2000/XP/NT

Network
Protocol: TCP/IP, ARP, RARP, ICMP, DHCP, PPPoE
Line: 10-Base T Ethernet (RJ-45)

PTZ control
RS232, RS485/RS422
Multiple PTZ devices are supported via RS422/RS485

Application Service

i-Rec Registration Service
Service that helps User find Dynamic IP easily at Dynamic IP Registration Server when i-Rec is connected on xDSL or Cable Modem

i-Rec Naming Service
Service that endows i-Rec with Domain Name and maps between IP Address and Domain Name

Ideal For

- Integration into larger systems
- Monitoring Point of Sales areas
- Convert operations
- Small 4 channel retail settings
- Warehouse / Industrial yards
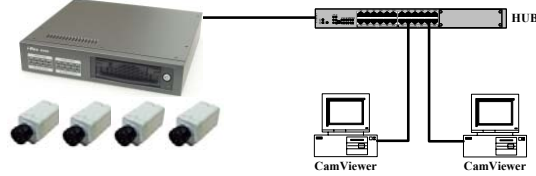- Home / School / Day care centers

Key Features

- Monitoring recorded and live images over Network
- Various configurable recording conditions (time, sensor, recording speed……)
- Removable HDD rack (Compatible with any existing desktop HDD)
- Various configurable monitoring conditions
- 4 channel Support
- 4 sensors input
- 4 alarm output
- S/W Motion Detection

- Recording and Playback images at the same time
- Schedule recording
- Max. recording rate: 30fps at single channel mode, 4fps / 4Ch
- RS 232 and RS 485/RS422 Port Support for PTZ Control
- Easy setting
- Dynamic IP (DHCP, Floating IP) support (when you use xDSL and Cable Modem)
- Wavelet Compression (30-300% greater efficiency than JPEG) for Higher Refresh Rate and Crisper Images.
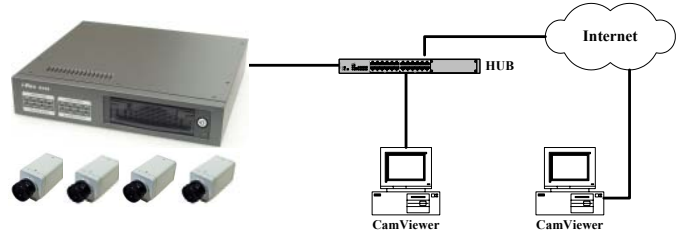- Embedded Linux OS For Excellent Stability and Less Downtime

-- "Specifications are subject change without notice" --

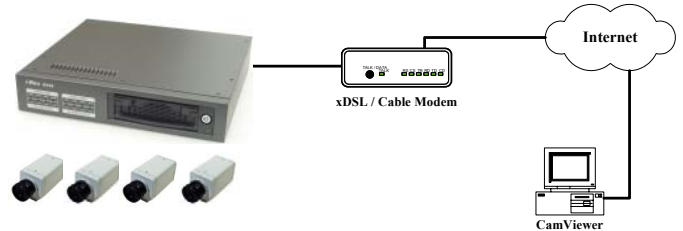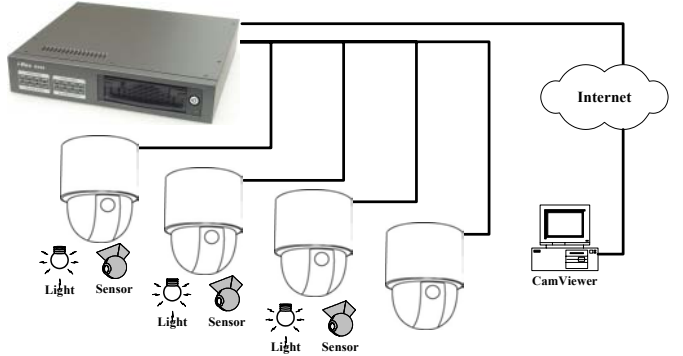## Network Configuration Diagram

1. Connection on LAN

2. Connection on Internet dedicated line

3. Connection on xDSL / Cable Modem line

4. Connection with external devices

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