

Panasonic


Ubiquitous Security



Network Disk Recorder
WJ-ND300A

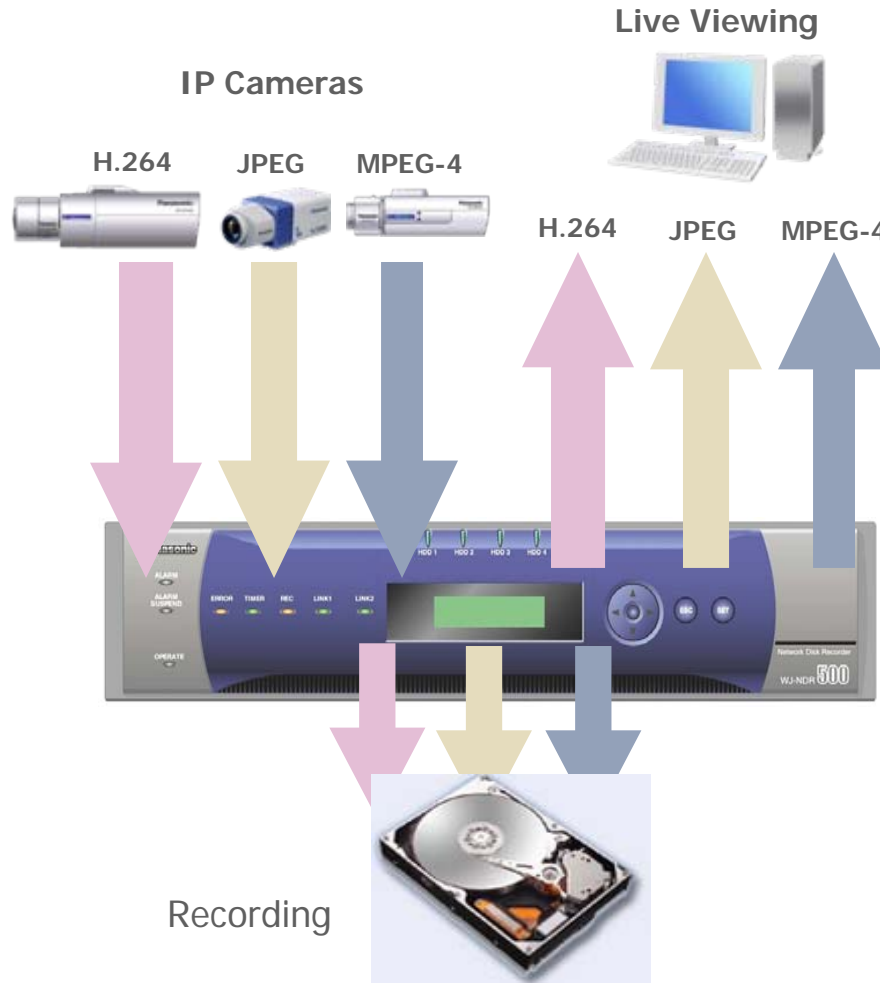
NETWORK DISK RECORDER

KEY FEATURES

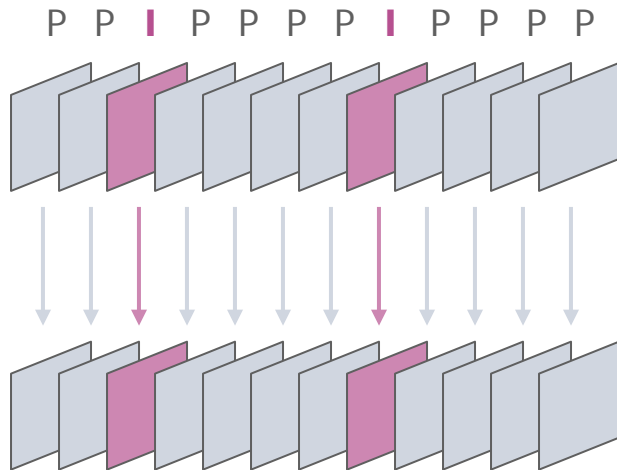
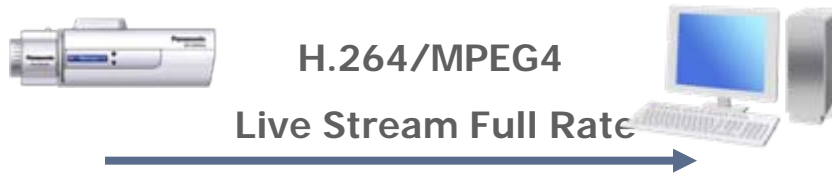
- ◆ 3 independent ports:
 - camera, client and setup
 - ◆ Multi format: JPEG, MPEG4 and H.264
 - ◆ H.264/MPEG4 rate control recording
 - ◆ Data stream control: live/recording
 - ◆ Accept major manufacturer's cameras: AXIS
 - ◆ Easy IP setup feature for PSS cameras
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- ◆ Optional Raid5 board WJ-NDB301
 - ◆ Up to 28 disk drives using WJ-HDE300 w/ or w/o Raid board
 - WJ-ND300A (4 drives)
 - WJ-HDE300 (4 x 6 = 24 drives)
 - ◆ WV-ASM100 software for multi recorder configuration and management.

Accept Multi-format

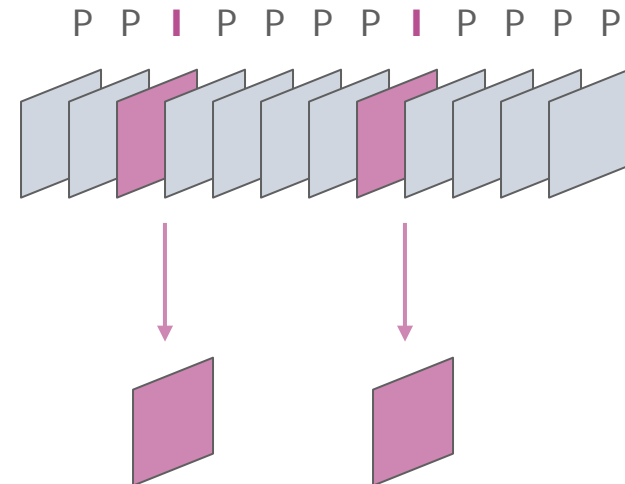
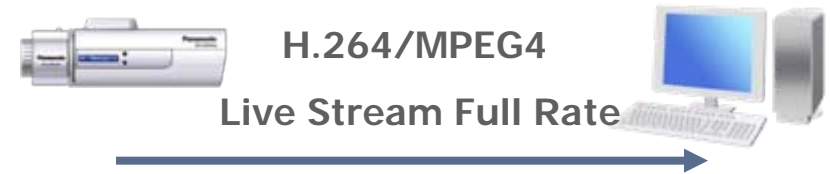
- Accept JPEG, MPEG4 and H.264 stream



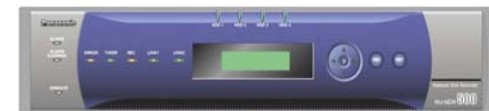
- H.264/MPEG4: Full rate
 - Good for smooth live viewing, but too much data for recording
- H.264/MPEG4: Only "I" frame recording



Full H.264/MPEG4 recording



Reduced H.264/MPEG4 recording similar to JPEG

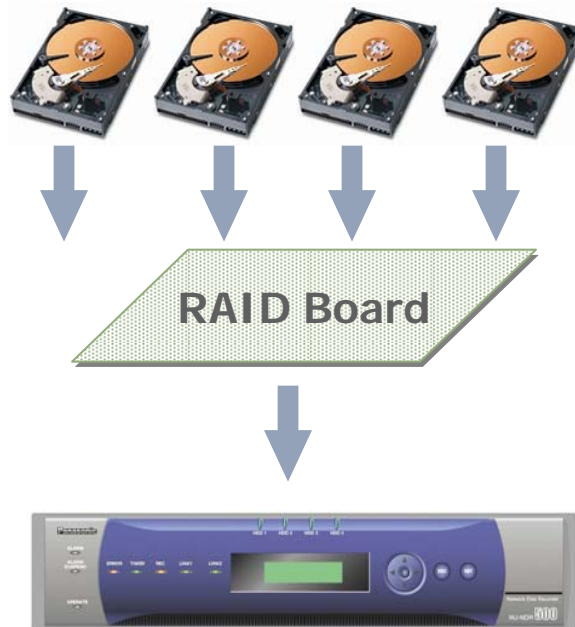


■ Accept other manufacture's cameras

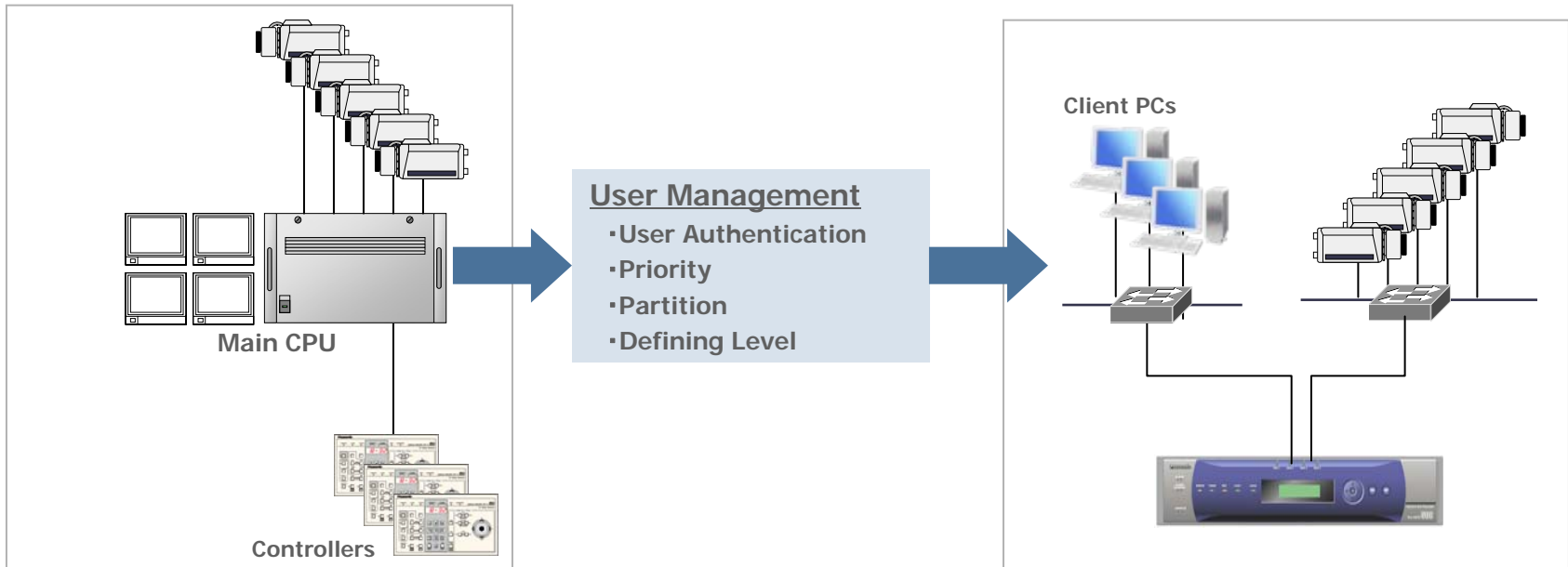
	Model Number
Panasonic	All i-PRO cameras, Analog Camera through WJ-NT304/314 or GXE500 BB-HCM581(MJPEG), HCE481, HCM381, BB-700series
AXIS	Camera: AXIS210, 2420, 231D, 232D (MJPEG) Video Server: AXIS241S, 241Q

RAID5 Configuration

- Up to 4HDDs can be installed in the main unit.
- RAID5 can be configured with optional RAID board WJ-NDB301 in the main unit.



Board \ Operation	Main Unit	
	w/ RAID board	w/o RAID board
Single mode	Available	Available
RAID5 mode	Available	N/A



- **User management in the WJ-ND300A**
 - Common requirement in analogue system
 - Authentication, priority, partition and defining level

Scalability-1

- Up to 6 WJ-HDE300s can be connected through USB cable

WJ-HDE300

	WJ-ND300A	WJ-HD316A
WJ-HDE300 extension units	Up to 6 units	Up to 7 units

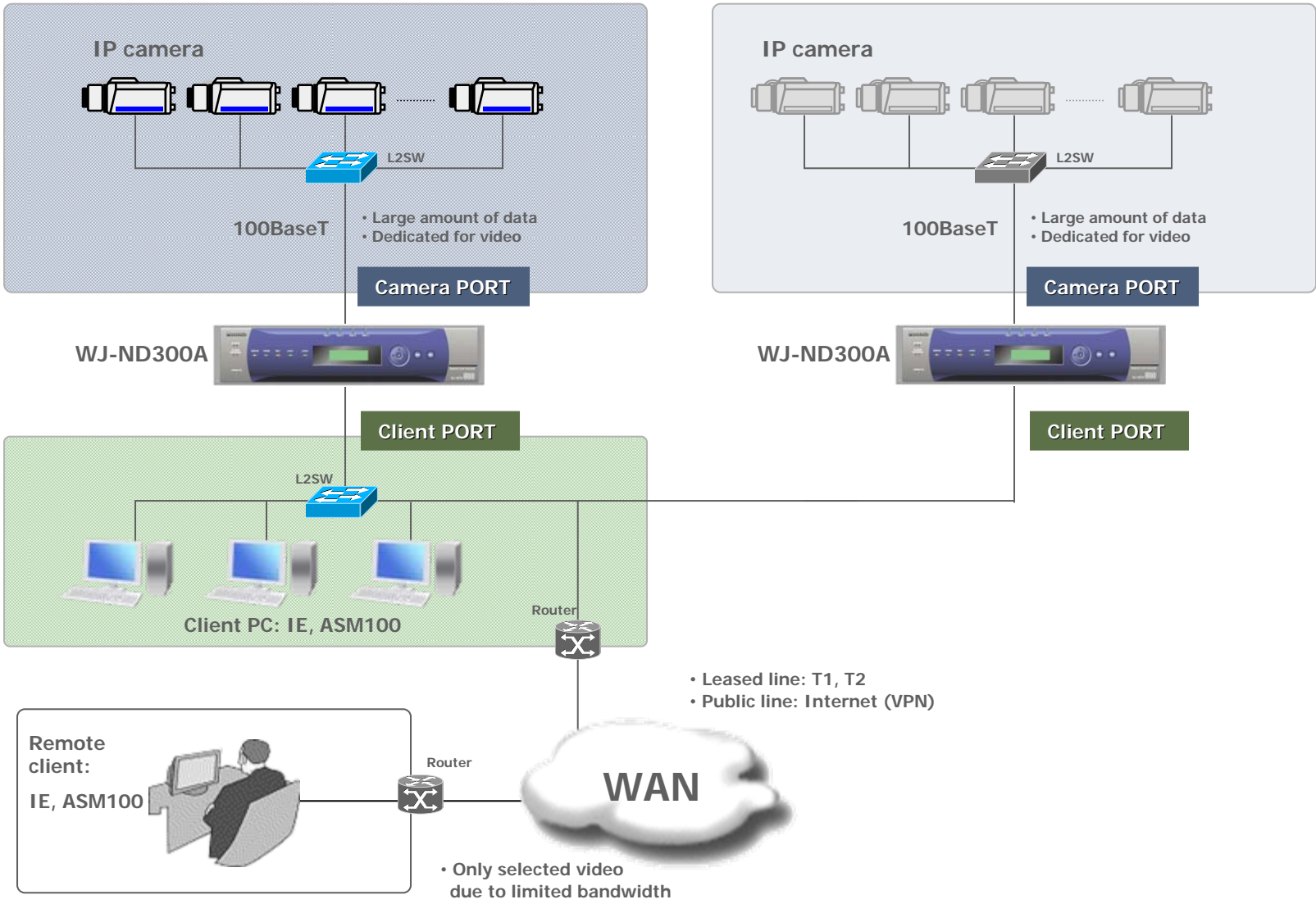
Total number of disk

	WJ-ND300A	WJ-HD316A
Main unit	Up to 4 HDD's	Up to 2 HDD's
Single system with WJ-HDE300s.	Up to 28 HDD's	Up to 30 HDD's
RAID5 system with WJ-HDE300s.	Up to 28 HDD's	Up to 28 HDD's (no HDD on main unit)



Scalability-2

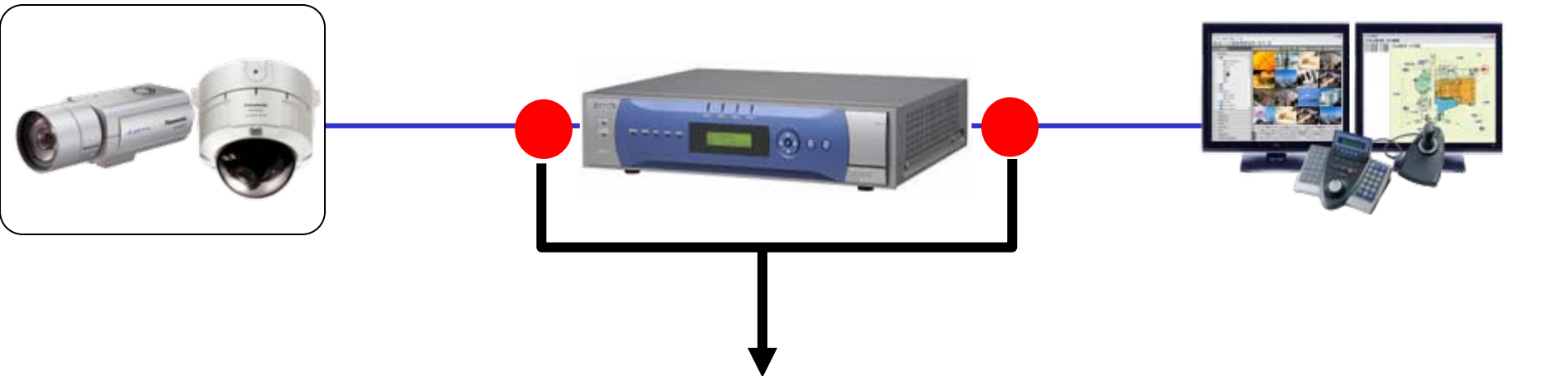
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NW Performance (WJ-ND300A)

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◆ H.264 / MPEG-4



Total bit rate of camera port and PC port

Less than 100Mbps

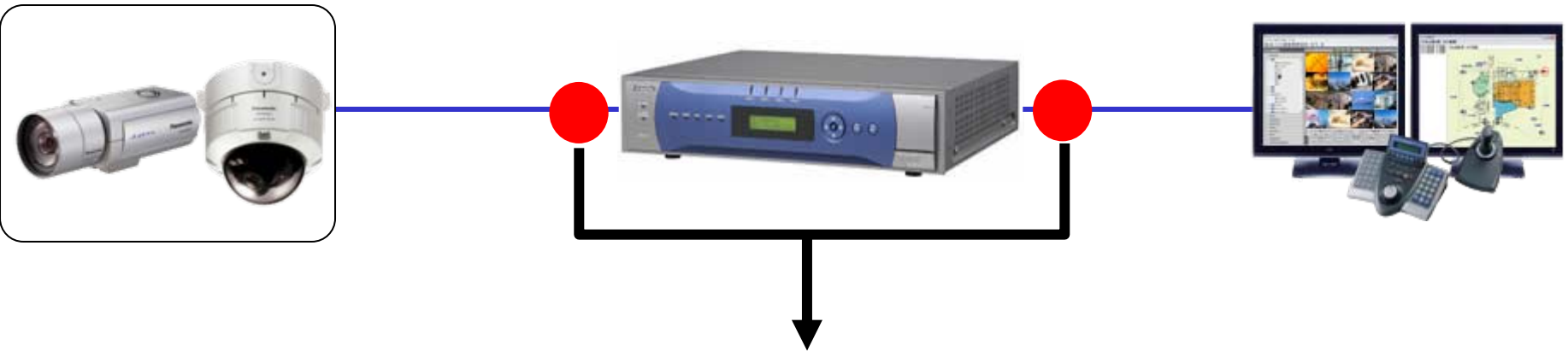
More than 100Mbps



OK

NG

◆ JPEG



Total bit rate of camera port and PC port

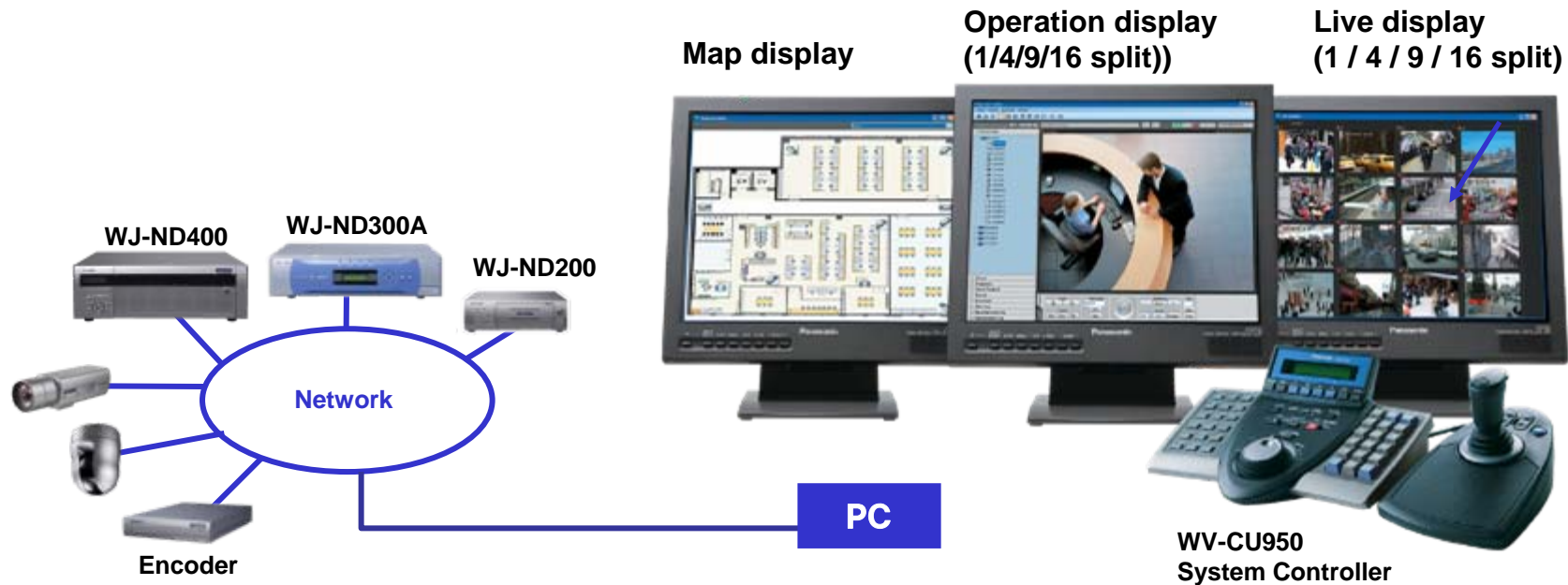
80Mbps or less	80~120Mbps	120Mbps or more
OK	# of camera : Less than 24 Frame rate setup : Less than 5ips Picture quality : Less than 5Normal(48KB)	NG

(*)3M(2048x1536) is only supported at ND400.

WV-ASM100/100L

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i-Pro Management Software for multi-recorder multi-site system



- Up to 100 recorders, 64 encoders and 256 directly connected cameras can be controlled.

- Multi monitor for flexible operation
 - Map monitor: For camera select and alarm
 - Operation monitor: Camera and recorder control
 - Live monitor: Up to 30 ips/CH in 16 split-screen