

# Panasonic

# *Ubiquitous Security*



## WV-NS950 / NW960 Introduction

# WV-NS950/NW960 series

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*Full Digital IP PTZ Dome  
w/ 360 Degree Endless Pan*

## KEY FEATURES

- ◆ Real Time Operation Capability
- ◆ Super Dynamic III
- ◆ 30x Optical Zoom
- ◆ Progressive Output
- ◆ High Sensitivity 0.5lux@color
- ◆ Horizontal Resolution 480TV lines (Typical)
- ◆ High Durability of PTZ Mechanism

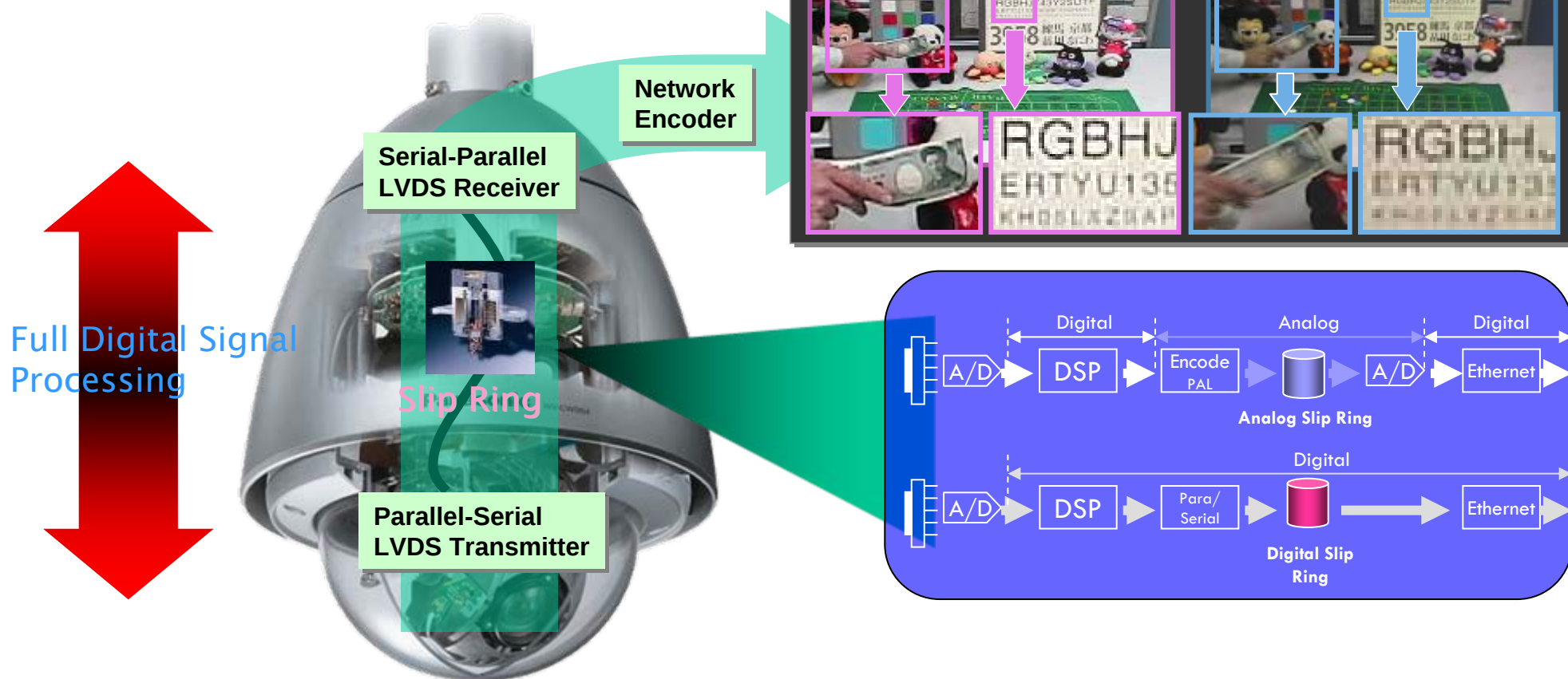


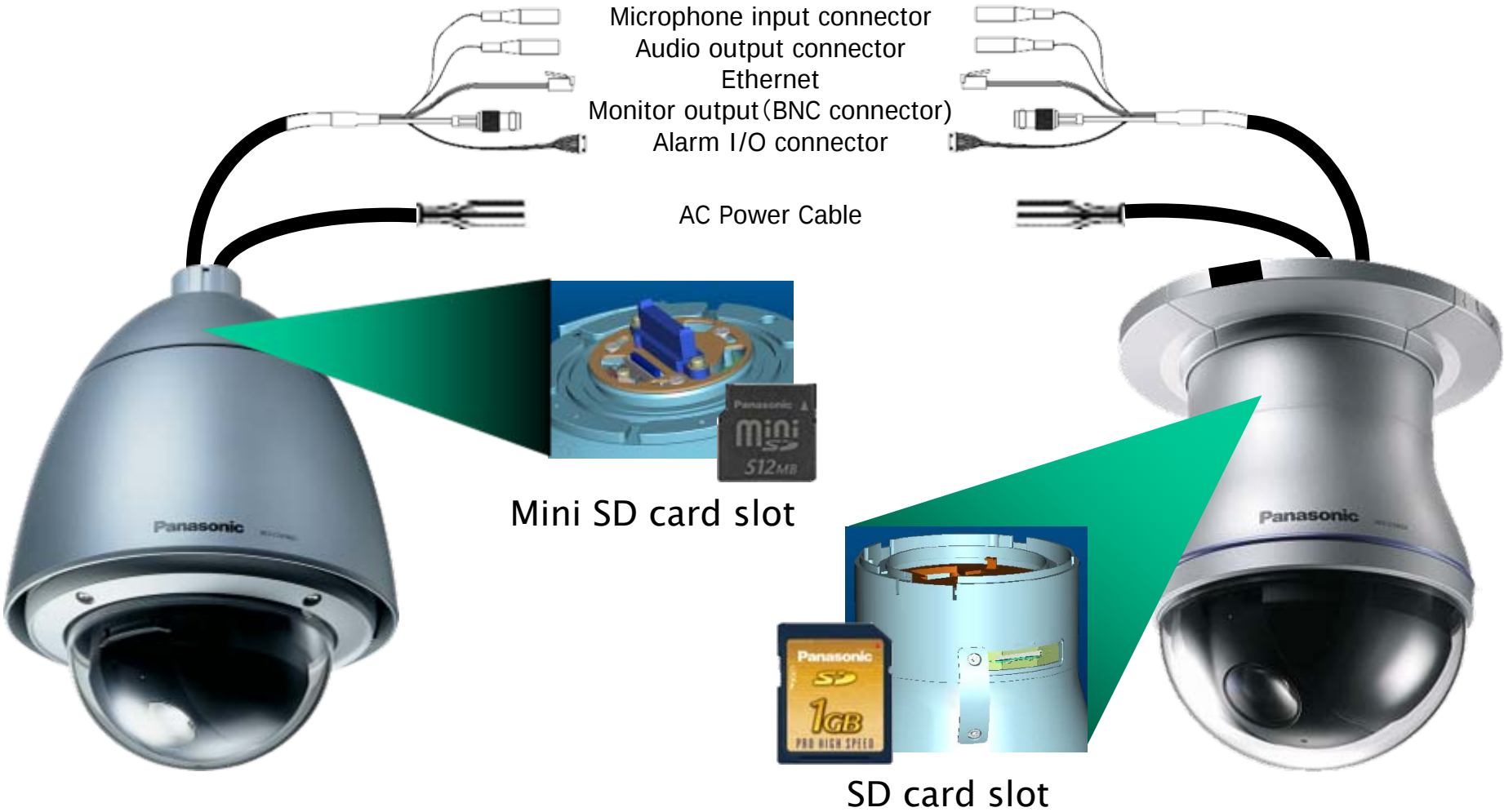
# Full Digital Signal Processing

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The digital video signal from the Super Dynamic III DSP runs through the slip-ring using LVDS technology, allowing no picture quality loss caused by conventional DA/AD conversion method.





| Item                         | WV-NS950/NW960 series                        | WV-NS202A                        |
|------------------------------|----------------------------------------------|----------------------------------|
| Pan range                    | 360deg endless                               | 0~350deg                         |
| Tilt range                   | -5~185deg                                    | -30~90deg                        |
| # of preset positions        | 256                                          | 64                               |
| Day/Night mode               | ON/OFF/Auto (high/Low)                       | OFF/Auto (No IR filter shifting) |
| MPEG-4 frame rate            | Variable or Fixed (frame rate priority mode) | Variable                         |
| I-frame interval             | 0.2/0.33/0.5/1/2/3/4/5sec                    | 1/2/3/4/5sec                     |
| Time display                 | Second unit                                  | Minute unit                      |
| Patrol function              | Available                                    | N/A                              |
| Image stabilization function | Available                                    | N/A                              |
| Upside down function         | N/A                                          | Available                        |
| Drag & zoom operation        | Available (precise control)                  | Available                        |
| Alarm e-mail                 | Available (port# assignable)                 | Available                        |
| Audio                        | 2-way(full duplex)                           | 2-way(half duplex)               |
| Monitor OUT                  | BNC                                          | Mini jack                        |
| Power                        | WV-NS950/NW960:220~240VAC                    | PoE/12VDC                        |

# High Durability of PTZ Mechanism

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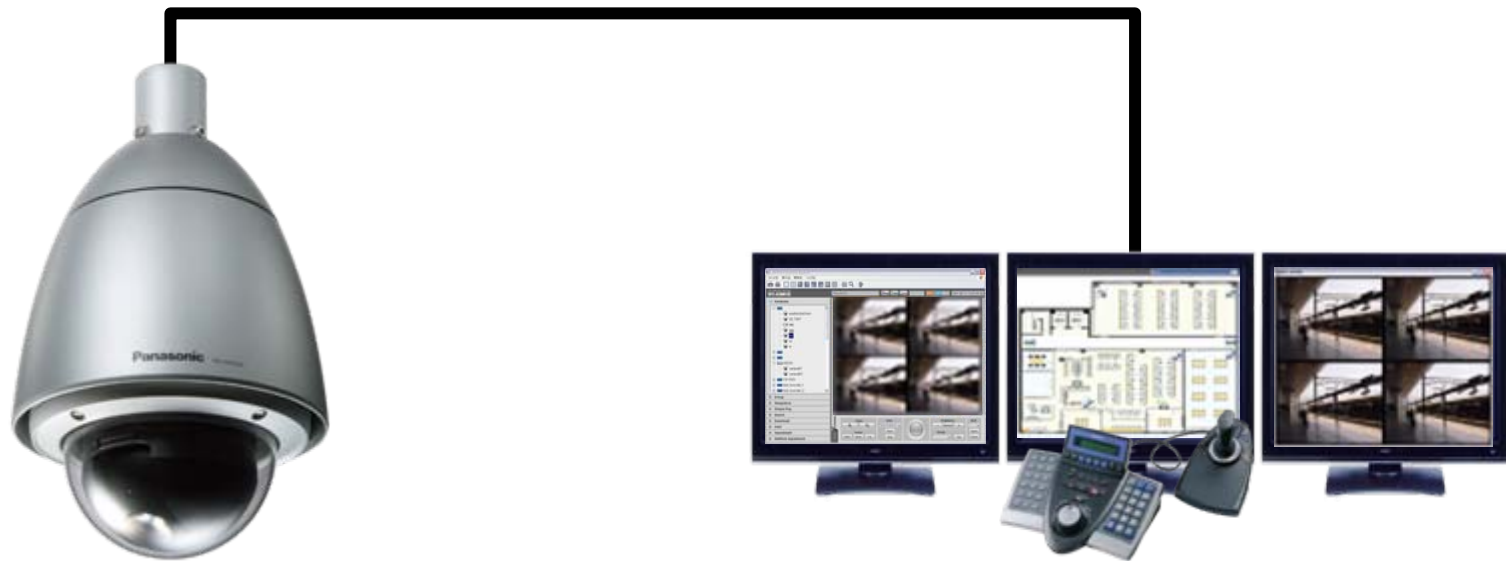


Slip ring: 3.7 million operation  
→7 years (preset by one second)

Fan: Approx. 45,000 hours  
(WV-NW964 only)

PT mechanism: 3.7 million operation  
→7 years (preset by one second)  
→3.5 years (auto pan 12deg/sec)

Lens: 3.7 million operation  
→7 years (preset by one second)



- Low latency within 300msec with the WV-ASM100(JPEG/MPEG-4)
- Smooth control with 256 steps Pan/Tilt commands
- 30 ips can be maintained regardless subject in MPEG-4 frame rate priority mode.

# Resolution Comparison

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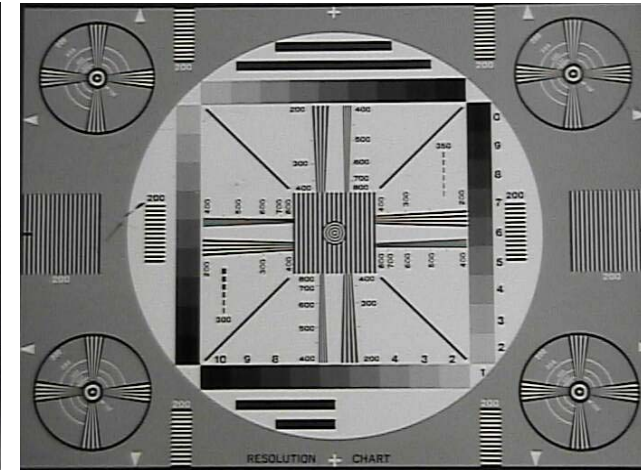
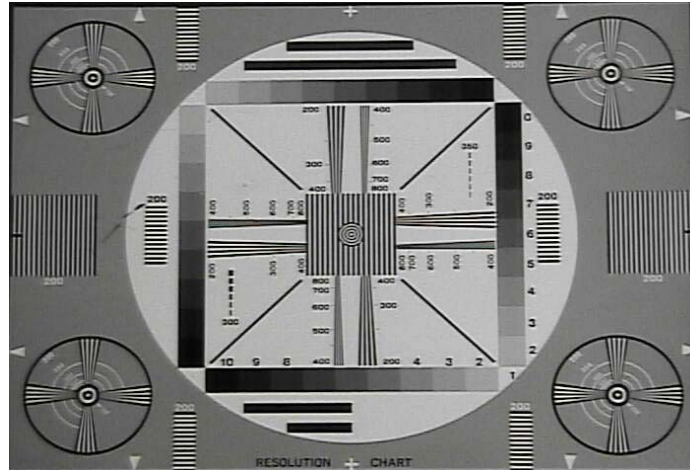
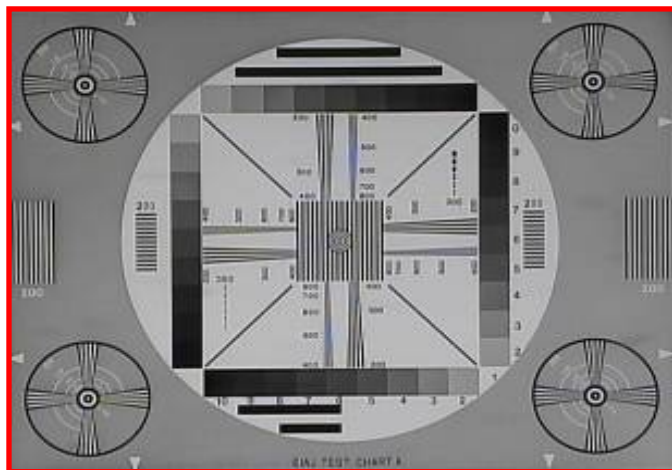
WV-NS954/NW964  
480TV lines (Typical)



Company A  
400TV lines



Company S  
400TV lines



# Sensitivity Comparison

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WV-NS954/NW964  
Min Illumination 0.5lx



Company A  
Min Illumination 0.5lx



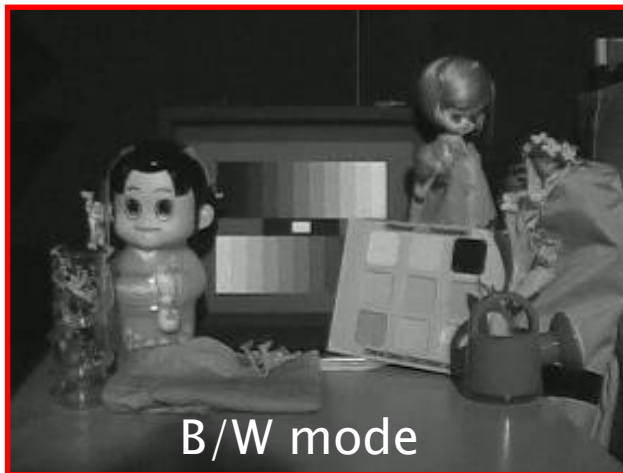
Company S  
Min Illumination 1.0lx



# Sensitivity Comparison

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WV-NS954/NW964  
Min Illumination  
0.5lx@color, 0.04lx@BW



Company A  
Min Illumination 0.5lx@color,  
0.008lx@BW



**Ubiquitous Security**  
Company S  
Min Illumination  
1.0lx@color, 0.15lx@BW



# Color Reproduction Comparison

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WV-NS954/NW964

Company A

Company S



# BLC Comparison

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WV-NS954/NW964

Company A

Company S

