



SURVEILLANCE AND MONITORING LINE UP 2010

SECURITY
MATTERS



SECURITY
MATTERS

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Integrated IP Solutions with i-PRO SmartHD

– the new concept in surveillance and monitoring systems.-



Panasonic i-PRO SmartHD offers a wide range of solutions for surveillance and monitoring systems.
.....cameras and recorders for seamless operation between analogue and IP network systems.
Higher Quality, Easier Operation and High Reliability/Durability

NETWORK VIDEO RECORDERS

WJ-ND400

Network Disk Recorder

(120 V AC:NTSC, 220-240 V AC:PAL)



Optional Accessory
Hard Disk Extension Unit - WJ-HDE400

- H.264, MPEG-4 and JPEG multi format
- Up to 64 network cameras can be connected and recorded (Video and Audio)
- Various Recording Mode: Manual, Schedule including Event (Pre/Post), Emergency
- VMD search (works with i-PRO cameras or WJ-NT314)
- Up to 54 HDD slots with 9 HDD slots in the main unit and five WJ-HDE400 optional Extension Units each with 9 HDD slots
- RAID5/6, Embedded OS, Data encryption for reliability



WJ-ND300A

Network Disk Recorder

(120 V AC:NTSC, 220-240 V AC:PAL)



Optional Accessory
RAID5 Board - WJ-NDB301
Hard Disk Extension Unit - WJ-HDE300
(4 drive bays for optional HDD units)

- H.264, MPEG-4 and JPEG multi format
- Up to 32 network cameras can be connected and recorded
- Up to 8 clients can monitor images and control WJ-ND300A simultaneously
- RAID5 capability with optional WJ-NDB301 RAID5 Board
- Various Recording Mode: Manual, Schedule, Event (Pre/Post), Emergency



WJ-ND200

Network Disk Recorder

(120 V AC:NTSC, 220-240 V AC:PAL)



Optional Accessory
Vertical Stand - WJ-Q201
Removable HDD - WJ-HDD50
(500 GB)

- H.264, MPEG-4 and JPEG multi format
- Up to 16 network cameras can be connected and recorded
- Up to 4 clients can monitor images and control WJ-ND200 simultaneously
- RAID1 mirroring capability
- Various Recording Mode: Manual, Schedule, Event (Pre/Post), Emergency



STAGING

Panasonic strive to ensure the best possible quality in security from image capture to playback. From May 2010 all recorders in the range will be pre-staged at it's European Centre of Excellence in Newport, UK. This process ensures all hard drives are fully tested and installed so that recorders can be ordered to the exact requirement of the customer.



SURVEILLANCE AND MONITORING SYSTEMS LINEUP

DOME NETWORK CAMERAS

WV-NW960 SERIES

SUPER DYNAMIC III
WEATHER RESISTANT DOME NETWORK CAMERA

WV-NW960 (220-240 V AC:PAL)
WV-NW964 (24 V AC:NTSC, PAL)



Optional Accessory
Wall Mount Bracket - WV-0122

- IP66 rated water and dust resistant
- 30x (3.8 ~ 114 mm) zoom lens plus 10x digital zoom
- High sensitivity: 0.5 lux (Colour), 0.04 lux (B/W) at F1.4 (Wide) / 0.02 lux (Colour), 0.0013 lux (B/W) at F1.4 (Wide) with Sens Up 32x
- Super Dynamic III 128x wider dynamic range
- Auto tracking capability
- MPEG-4 and JPEG dual stream output at VGA image size with up to 30 ips
- Progressive Output

SDIII
Super Dynamic

MPEG-4/JPEG

Day/Night
removable

30x
OPTICAL ZOOM

IP66
standard

WV-NW950 SERIES

SUPER DYNAMIC III
DAY/NIGHT DOME NETWORK CAMERA

WV-NW950 (220-240 V AC:PAL)
WV-NW954 (24 V AC:NTSC, PAL)



Optional Accessory
Ceiling Mount Bracket - WV-0105
Embedded Ceiling Mount Bracket - WV-0116
Pendant Mount Bracket - WV-0117
Wall Mount Bracket - WV-0118
Smoke Dome Cover - WV-CS3S

- 30x (3.8 ~ 114 mm) zoom lens plus 10x digital zoom
- High sensitivity: 0.5 lux (Colour), 0.04 lux (B/W) at F1.4 (Wide) / 0.02 lux (Colour), 0.0013 lux (B/W) at F1.4 (Wide) with Sens Up 32x
- Super Dynamic III 128x wider dynamic range
- Auto tracking capability
- MPEG-4 and JPEG dual stream output at VGA image size with up to 30 ips
- Progressive Output

SDIII
Super Dynamic

MPEG-4/JPEG

Day/Night
removable

30x
OPTICAL ZOOM

WV-NS202A

SUPER DYNAMIC III
DAY/NIGHT DOME NETWORK CAMERA

(12 V AC or PoE:NTSC, PAL)



Optional Accessory
Ceiling Mount Bracket - WV-0105
Inner Dome Cover - WV-0153
Well Mount Bracket - WV-0150C (Clear)
Well Mount Bracket - WV-0150S (Smoke)
Embedded Ceiling Mount Brackets - WV-0151C (Clear)
Embedded Ceiling Mount Brackets - WV-0151S (Smoke)
Indoor Dome Cover - WV-0152C (Clear)
Indoor Dome Cover - WV-0152S (Smoke)

- 22x zoom lens plus 10x digital zoom
- High sensitivity: 0.7 lux (Colour), 0.5 lux (B/W) at F1.6 (Wide) / 0.02 lux (Colour), 0.015 lux (B/W) at F1.6 (Wide) with Sens Up 32x
- Super Dynamic III 128x wider dynamic range
- Auto tracking capability
- MPEG-4 and JPEG dual stream output at VGA image size with up to 30 ips
- Progressive Output
- Power over Ethernet (PoE) IEEE 802.3af

SDIII
Super Dynamic

MPEG-4/JPEG

Day/Night
removable

22x
OPTICAL ZOOM

BB-HCM581/HCM580

DOME NETWORK CAMERA

(12 V DC or PoE:NTSC, PAL)



Optional Accessory
Camera Cover (For Ceiling Installation)
BB-HCA1A-B (Smoke) - Indoor use only

- 21x zoom lens plus 2x Digital Zoom
- MPEG-4 and JPEG dual stream output
- Image Transfer Function
- Remote Pan and Tilt Control
- Multi-camera Capability
- SD Memory Card Recording
- Progressive Scan
- Audio 2-way Communication (BB-HCM581 only)
- Power over Ethernet (PoE) IEEE 802.3af
- Cell Phone Monitoring

*When you use more than one(1) PCs to see any moving image by MPEG-4, you are requested to buy User License Accessory (Item No. BB-HCAG) additionally. Models: BB-HCM581/ BB-HCM580

MPEG-4/JPEG

Day/Night
removable

Cell Phone
Monitoring

21x
OPTICAL ZOOM

FEATURE NAMES



HIGH DEFINITION



MPEG-4 AND JPEG SUPPORTED



H.264, MPEG-4 AND JPEG SUPPORTED



MPEG-4 SUPPORTED



30X OPTICAL ZOOM



22X OPTICAL ZOOM



21X OPTICAL ZOOM



2.3X OPTICAL ZOOM



FACE DETECTION



AUTO BACK FOCUS



WIRELESS COMMUNICATION



HUMAN DETECTION SENSOR



CELL PHONE MONITORING



TRUE DAY/NIGHT



WATER AND DUST RESISTANCE: IP66



SOUND DETECTION



COLOUR NIGHT VIEW MODE



BUILT-IN LED LIGHT



SIMPLE DAY/NIGHT



INTELLIGENT-VIDEO MOTION DETECTION



SHOCK DETECTION

NETWORK PRODUCTS

FIXED NETWORK CAMERAS

WV-NP502

Super Dynamic Network Camera

(12 V DC or PoE:NTSC, PAL)



Optional Accessory

1/3 inch High Resolution 2x Varifocal Lens - WV-LZA62/2
(2.8 - 6 mm)
F1.4 (wide)
F2.1 (tele)

Lens: optional

- Up to 30 fps at 1,280 x 960 image size*
- MEGA Super Dynamic 128x wider dynamic range*
- High sensitivity: 1.0 lux (Colour), 0.08 lux (B/W) at F1.4 / 0.06 lux (Colour), 0.005 lux (B/W) at F1.4 (Wide) with Sens Up 16x*
- Up to 2,048 x 1,536 JPEG stream
- H.264 (High profile) and JPEG dual stream output
- ABF (Auto Back Focus) and ABS (Adaptive Black Stretch)
- Progressive output
- Power over Ethernet (PoE) IEEE 802.3af

*1.3 Megapixel mode



WV-SP306

HD Network Camera

Launches in June

(12 V DC or PoE:NTSC, PAL)



Optional Accessory

1/3 inch High Resolution 2x Varifocal Lens - WV-LZA62/2
(2.8 - 6 mm)
F1.4 (wide)
F2.1 (tele)

Lens: optional

- Progressive scan 1.3 Megapixel MOS Sensor
- High resolution recording by "UniPhier®"
- Up to 30 fps at 1,280 x 960 image size
- Wide Dynamic Range and ABS (Adaptive Black Stretch) technologies deliver wider dynamic range compared with conventional cameras.
- Face Wide Dynamic Range technology ensures clear face Image.
- High sensitivity: 0.3 lux (Colour), 0.05 lux (B/W) at F1.4 / 0.019 lux (Colour), 0.003 lux (B/W) at F1.4 with Sens Up 16x
- H.264 (High profile) and JPEG dual stream output
- Power over Ethernet (PoE) IEEE 802.3af



WV-SP305

HD Network Camera

Launches in June

(12 V DC or PoE:NTSC, PAL)



Optional Accessory

1/3 inch High Resolution 2x Varifocal Lens - WV-LZA62/2
(2.8 - 6 mm)
F1.4 (wide)
F2.1 (tele)

Lens: optional

- Progressive scan 1.3 Megapixel MOS Sensor
- High resolution recording by "UniPhier®"
- Up to 30 fps at 1,280 x 960 image size
- Wide Dynamic Range and ABS (Adaptive Black Stretch) technologies deliver wider dynamic range compared with conventional cameras.
- Face Wide Dynamic Range technology ensures clear face Image.
- High sensitivity: 0.3 lux (Colour), 0.2 lux (B/W) at F1.4 / 0.019 lux (Colour), 0.013 lux (B/W) at F1.4 with Sens Up 16x
- H.264 (High profile) and JPEG dual stream output
- Power over Ethernet (PoE) IEEE 802.3af



WV-SP302

Network Camera

Launches in June

(12 V DC or PoE:NTSC, PAL)



Optional Accessory

1/3 inch High Resolution 2x Varifocal Lens - WV-LZA62/2
(2.8 - 6 mm)
F1.4 (wide)
F2.1 (tele)

Lens: optional

- Progressive scan 1.3 Megapixel MOS Sensor
- High resolution recording by "UniPhier®"
- Up to 30 fps at 800 x 600 image size
- Wide Dynamic Range and ABS (Adaptive Black Stretch) technologies deliver wider dynamic range compared with conventional cameras.
- Face Wide Dynamic Range technology ensures clear face Image.
- High sensitivity: 0.2 lux (Colour), 0.13 lux (B/W) at F1.4 / 0.013 lux (Colour), 0.009 lux (B/W) at F1.4 with Sens Up 16x
- H.264 (High profile) and JPEG dual stream output
- Power over Ethernet (PoE) IEEE 802.3af



WV-NP304

NETWORK CAMERA

(24 V AC or 12 V DC or PoE:NTSC, PAL)



Optional Accessory

1/3 inch High Resolution 2x Varifocal Lens - WV-LZA62/2
(2.8 - 6 mm)
F1.4 (wide)
F2.1 (tele)

Lens: optional

- Progressive scan 1.3 megapixel CCD
- 1,280 x 960 Megapixel high quality image
- High sensitivity: 1.5 lux (Colour), 0.9 lux (B/W) at F1.4
- MPEG-4 and JPEG dual stream output
- ABS (Adaptive Black Stretch) enhances the visibility of dark area
- Focus assist for accurate focus and easy installation
- Power over Ethernet (PoE) IEEE 802.3af



WV-NP240 Series

NETWORK CAMERA

WV-NP240 (220-240 V AC or PoE:PAL)

WV-NP244 (24 V AC or 12 V DC or PoE:NTSC, PAL)



Optional Accessory

Embedded Ceiling Mount Bracket - WV-0173
Smoke Dome Cover - WV-NFSS

Lens: optional

- High sensitivity: 1.5 lux (Colour) at F1.4 / 0.09 lux (Colour) at F1.4 with Sens Up 16x
- MPEG-4 and JPEG dual stream output at VGA image size with up to 30 ips
- Progressive Output
- Power over Ethernet (PoE) IEEE 802.3af



SURVEILLANCE AND MONITORING SYSTEMS LINEUP

FIXED DOME NETWORK CAMERAS

WV-SF336

HD Fixed Dome Network Camera

Launches in July

(12 V DC or PoE:NTSC, PAL)



Optional Accessory

Embedded Ceiling Mount Bracket WV-0168
Smoke Dome Cover WV-CS55
Ceiling Mount Bracket WV-0105 (for PAL only)

- Progressive scan 1.3 Megapixel MOS Sensor
- High resolution recording by "UniPhier®"
- Up to 30 fps at 1,280 x 960 image size
- Wide Dynamic Range and ABS (Adaptive Black Stretch) technologies deliver wider dynamic range compared with conventional cameras.
- Face Wide Dynamic Range technology ensures clear face Image.
- High sensitivity: 0.3 lux (Colour), 0.2 lux(B/W) at F1.3 / 0.019 lux (Colour), 0.013 lux (B/W) at F1.3 with Sens Up 16x
- H.264 (High profile) and JPEG dual stream output
- Power over Ethernet (PoE) IEEE 802.3af
- ABF (Auto Back Focus) ensures easy installation and stable focus in both colour and B/W modes.



WV-SF335

HD Fixed Dome Network Camera

Launches in July

(12 V DC or PoE:NTSC, PAL)



Optional Accessory

Embedded Ceiling Mount Bracket WV-0168
Smoke Dome Cover WV-CS55
Ceiling Mount Bracket WV-0105 (for PAL only)

- Progressive scan 1.3 Megapixel MOS Sensor
- High resolution recording by "UniPhier®"
- Up to 30 fps at 1,280 x 960 image size
- Wide Dynamic Range and ABS (Adaptive Black Stretch) technologies deliver wider dynamic range compared with conventional cameras.
- Face Wide Dynamic Range technology ensures clear face Image.
- High sensitivity: 0.3 lux (Colour), 0.2 lux(B/W) at F1.3 / 0.019 lux (Colour), 0.013 lux (B/W) at F1.3 with Sens Up 16x
- H.264 (High profile) and JPEG dual stream output
- Power over Ethernet (PoE) IEEE 802.3af



WV-SF332

Fixed Dome Network Camera

Launches in July

(12 V DC or PoE:NTSC, PAL)



Optional Accessory

Embedded Ceiling Mount Bracket - WV-0168
Smoke Dome Cover - WV-CS55
Ceiling Mount Bracket - WV-0105 (for PAL only)

- Progressive scan 1.3 Megapixel MOS Sensor
- High resolution recording by "UniPhier®" Panasonic's proprietary System LSI platform.
- Up to 30 fps at 800x 600 image size
- Wide Dynamic Range and ABS (Adaptive Black Stretch) technologies deliver wider dynamic range compared with conventional cameras.
- Face Wide Dynamic Range technology ensures clear face Image.
- High sensitivity: 0.2 lux (Colour), 0.13 lux(B/W) at F1.3 / 0.013 lux (Colour), 0.009 lux (B/W) at F1.3 with Sens Up 16x
- H.264 (High profile) and JPEG dual stream output
- Power over Ethernet (PoE) IEEE 802.3af



WV-NW502S

Super Dynamic
Vandal Resistant

(12 V DC or PoE:NTSC, PAL)



Optional Accessory

Embedded Ceiling Mount Bracket - WV-0169
Smoke Dome Cover - WV-CW4S

- Up to 30 fps at 1,280 x 960 image size*
- MEGA Super Dynamic 128x wider dynamic range*
- High sensitivity: 1.0 lux (Colour), 0.08 lux (B/W) at F1.2 (Wide) / 0.06 lux (Colour), 0.005 lux (B/W) at F1.2 (Wide) with Sens Up 16x*
- Up to 2,048 x 1,536 JPEG stream
- H.264 (High profile) and JPEG dual stream output
- ABF (Auto Back Focus) and ABS (Adaptive Black Stretch)
- Progressive output
- Power over Ethernet (PoE) IEEE 802.3af

*1.3 Megapixel mode



WV-NF302

FIXED DOME NETWORK CAMERA

(12 V AC or PoE:NTSC, PAL)



Optional Accessory

Embedded Ceiling Mount Bracket - WV-0173
Smoke Dome Cover - WV-NF5S

- Progressive scan 1.3 megapixel CCD
- 1,280 x 960 Megapixel high quality image
- 2.8 ~10 mm, 3.6x varifocal lens built-in
- High sensitivity: 1.5 lux (Colour), 0.9 lux (B/W) at F1.3 (Wide)
- MPEG-4 and JPEG dual stream output
- ABS (Adaptive Black Stretch) enhances the visibility of dark area
- Focus assist for accurate focus and easy installation
- Power over Ethernet (PoE) IEEE 802.3af



i-PRIMO
SmartHD

NETWORK PRODUCTS

FIXED DOME NETWORK CAMERAS

WV-NW484S

Super Dynamic III
Vandal Resistant

(24 V AC or 12 V DC or PoE:NTSC, PAL)



Optional Accessory

Embedded Ceiling Mount Bracket - WV-0169
Heater Unit - WV-CW4H
Clear Dome Cover - WV-CW4C (for NTSC only)
Smoke Dome Cover - WV-CW4S (for PAL only)

- 2x (3.8 ~ 8.0 mm) varifocal lens built-in
- IP66 rated water and dust resistant
- Super Dynamic III 128x wider dynamic range
- High sensitivity: 0.6 lux (Colour), 0.08 lux (B/W) at F1.4 (Wide) / 0.019 lux (Colour), 0.003 lux (B/W) at F1.4 (Wide) with Sens Up 32x
- ABF (Auto Back Focus) adjustment
- MPEG-4 and JPEG dual stream output at VGA image size with up to 30 ips
- Progressive Output
- Power over Ethernet (PoE) IEEE 802.3af



WV-NF284

FIXED DOME NETWORK CAMERA

(24 V AC or 12 V DC or PoE:NTSC, PAL)



Optional Accessory

Embedded Ceiling Mount Bracket - WV-0167
Smoke Dome Cover - WV-CF4S

- High sensitivity: 1.5 lux (Colour) at F1.3 (Wide) / 0.09 lux (Colour) at F1.3 (Wide) with Sens Up 16x
- 3.6x (2.8 ~ 10 mm) varifocal lens built-in
- MPEG-4 and JPEG dual stream output at VGA image size with up to 30 ips
- Progressive Output
- Power over Ethernet (PoE) IEEE 802.3af



BB-HCM705

FIXED DOME NETWORK CAMERA

(12 V AC or PoE:NTSC, PAL)



Optional Accessory

Ceiling Flush Mount Bracket - BB-HCA11
AC adaptor - BB-HCA7
NTSC
Input 100-120 V AC, 50/60 Hz
Output 12 V DC, 750 mA
PAL
Input 100-240 V AC, 50/60 Hz
Output 12 V DC, 750 mA

- Extra Zoom Function
- H.264 and JPEG dual stream output
- Compact size and good conformity with the ceiling
- Easy installation on ceiling / wall
- Sound Detection & Shock Detection Sensor
- Remote Pan and Tilt control
- Preset sequence
- 2x2 pixel binning
- Multi-camera capability
- Power over Ethernet (PoE) IEEE 802.3af
- SD/SDHC Memory Card Recording
- Cell Phone Monitoring



BB-HCM701

FIXED DOME NETWORK CAMERA

(12 V DC or PoE:NTSC, PAL)



Optional Accessory

Camera Cover (For Ceiling Installation)
BB-HCA1A-B (Smoke) - Indoor use only

- H.264 and JPEG dual stream output
- 3x Digital Zoom Function (by area)
- Compact size and good conformity with the ceiling
- Easy installation on ceiling / wall
- Sound Detection and Shock Detection Sensor
- Remote Pan and Tilt control
- Multi-camera capability
- Power over Ethernet (PoE) IEEE 802.3af
- SD/SDHC Memory Card recording
- Cell Phone Monitoring



BB-HCM547

FIXED DOME NETWORK CAMERA

(12 V AC or PoE:NTSC, PAL)



Optional Accessory

AC adaptor - BB-HCA3
NTSC
Input 120 V AC, 60 Hz
Output 12 V DC, 0.75 A
PAL
Input 100 V - 240 V, 50/60 Hz
Output 12 V DC, 750 mA

- MPEG-4 and JPEG dual stream output
- 2.3x Optical Zoom, 2x Digital Zoom
- Remote Pan and Tilt control
- Audio 2-Way communication
- SD Memory Card recording
- Splash-resistant body
- Analog video Output (NTSC/PAL)
- Power over Ethernet (PoE) IEEE 802.3af
- Cell Phone Monitoring



BB-HCM527

FIXED DOME NETWORK CAMERA

(12 V DC or PoE:NTSC, PAL)



Optional Accessory

Ceiling Flush Mount Bracket - BB-HCA10
AC adaptor - BB-HCA3
NTSC
Input 120 V AC, 60 Hz
Output 12 V DC, 0.75 A
PAL
Input 100 V - 240 V, 50/60 Hz
Output 12 V DC, 750 mA

- MPEG-4 and JPEG dual stream output
- 2.3x Optical Zoom, 2x Digital Zoom
- Remote Pan and Tilt control
- Audio 2-Way communication
- SD Memory Card recording
- Analog video output (NTSC/PAL)
- Multi-camera capability
- Power over Ethernet (PoE) IEEE 802.3af
- Cell Phone Monitoring



SURVEILLANCE AND MONITORING SYSTEMS LINEUP

FIXED NETWORK CAMERAS

BB-HCM735

Fixed Network Camera

(12 V DC or PoE:NTSC, PAL)



Optional Accessory

AC adaptor - BB-HCA7
NTSC
Input 100-120 V AC, 50/60 Hz
Output 12 V DC, 750 mA
PAL
Input 100-240 V AC, 50/60 Hz
Output 12 V DC, 750 mA

- Extra Zoom Function
- IP55 rated water and dust resistant
- H.264 and JPEG dual stream output
- Sound Detection & Shock Detection Sensor
- Remote Pan and Tilt control
- Preset sequence
- 2x2 pixel binning
- Power over Ethernet (PoE) IEEE 802.3af
- SD/SDHC Memory Card recording
- Analog video output (NTSC/PAL)
- Cell Phone Monitoring



BB-HCM715

FIXED NETWORK CAMERA

(12 V DC or PoE:NTSC, PAL)



Optional Accessory

AC adaptor - BB-HCA7
NTSC
Input 100-120 V AC, 50/60 Hz
Output 12 V DC, 750 mA
PAL
Input 100-240 V AC, 50/60 Hz
Output 12 V DC, 750 mA

- Extra Zoom Function
- H.264 and JPEG dual stream output
- Sound Detection & Shock Detection Sensor
- Remote Pan and Tilt control
- Preset sequence
- 2x2 pixel binning
- Power over Ethernet (PoE) IEEE 802.3af
- SD/SDHC Memory Card recording
- Analog video output (NTSC/PAL)
- Cell Phone Monitoring



BB-HCM515 (limited amount)

FIXED NETWORK CAMERA

(12 V DC or PoE:NTSC, PAL)



Optional Accessory

AC adaptor - BB-HCA3
NTSC
Input 120 V AC, 60 Hz
Output 12 V DC, 0.75 A
PAL
Input 100 V - 240 V, 50/60 Hz
Output 12 V DC, 750 mA

- MPEG-4 and JPEG dual stream output
- 10x Digital Zoom
- Remote Pan and Tilt control
- Audio 2-Way communication
- Power over Ethernet (PoE) IEEE 802.3af
- SD Memory Card recording
- Analog video output (NTSC/PAL)
- Cell Phone Monitoring



BB-HCM531

FIXED NETWORK CAMERA

(12 V DC or PoE:NTSC, PAL)



Optional Accessory

AC adaptor - BB-HCA3
NTSC
Input 120 V AC, 60 Hz
Output 12 V DC, 0.75 A
PAL
Input 100 V - 240 V, 50/60 Hz
Output 12 V DC, 750 mA

- MPEG-4 and JPEG dual stream output
- 10x Digital Zoom
- Splash-resistant body
- Remote Pan and Tilt control
- Audio 2-Way communication
- Power over Ethernet (PoE) IEEE 802.3af
- SD Memory Card recording
- Analog video output (NTSC/PAL)
- Cell Phone Monitoring



BB-HCM511

FIXED NETWORK CAMERA

(12 V DC or PoE:NTSC, PAL)



Optional Accessory

AC adaptor - BB-HCA3
NTSC
Input 120 V AC, 60 Hz
Output 12 V DC, 0.75 A
PAL
Input 100 V - 240 V, 50/60 Hz
Output 12 V DC, 750 mA

- MPEG-4 and JPEG dual stream output
- 10x Digital Zoom
- Remote Pan and Tilt control
- Audio 2-Way communication
- Power over Ethernet (PoE) IEEE 802.3af
- SD Memory Card recording
- Analog video output (NTSC/PAL)
- Cell Phone Monitoring



NETWORK VIDEO INTERFACES

WJ-GXE500

Network Video Encoder

Launches in May

(12 V DC or PoE:NTSC, PAL)



Optional Accessory

EIA19 inch Rack Mount Bracket - WV-Q204/2S
(for mounting three WJ-GXE500)

- Up to 4 analog cameras can be connected.
- Panasonic Camera Control
- H.264, MPEG-4 and JPEG dual stream output at VGA or D1 image size with up to 30 ips
- Progressive output
- Bi-directional audio (1CH)
- Power over Ethernet (PoE) IEEE 802.3af



WJ-NT314

Network Video Encoder with Video Analytic

12 V DC or 120 V AC adapter:NTSC,
12 V DC or 220-240 V AC adapter:PAL



Optional Accessory

EIA19 inch Rack Mount Bracket
- WV-Q204/1S (for mounting one WJ-NT314)
- WV-Q204/2S (for mounting two WJ-NT314)

- Up to 4 analog cameras can be connected
- 2CH Video Analytic
- Panasonic camera control
- MPEG-4 and JPEG dual stream output at VGA image size with up to 30 ips
- Progressive Output
- Bi-directional audio (1CH)



WJ-NT304

Network Video Encoder

12 V DC or 120 V AC adapter:NTSC
12 V DC or 220-240 V AC adapter:PAL



Optional Accessory

EIA19 inch Rack Mount Bracket
- WV-Q204/1S (for mounting one WJ-NT304)
- WV-Q204/2S (for mounting two WJ-NT304)

- Up to 4 analog cameras can be connected
- Panasonic camera control
- MPEG-4 and JPEG dual stream output at VGA image size with up to 30 ips
- Progressive Output
- Bi-directional audio (1CH)



WJ-GXD400

Multi Channel High Definition Video Decoder

12 V DC or 100-240 V AC:NTSC, PAL



Optional Accessory

EIA19 inch Rack Mount Bracket
- WV-Q204/1S (for mounting one WJ-GXD400)
- WV-Q204/2S (for mounting two WJ-GXD400)

- Up to 256 cameras, including cameras connected to the i-Pro Network Video Encoder (WJ-GXE500/WJ-NT304/WJ-NT314), can be registered
- HDMI interface supporting 1,920 x 1,080 display size
- 1x 4VGA image with 2x VGA images or 6x VGA images can be displayed in multiscreen mode
- Each of VGA images can be displayed at 25 frames/sec.
- Superior reliability and installation flexibility with an embedded OS
- Up to 64 camera groups can be registered and called up in response to power on, group sequence and schedule program.



i-PRO

SmartHD

SOFTWARE

WV-ASC970

IP Matrix Server Software



WV-ASC970

- Easy and smooth integration from analog to IP system
- Flexible camera system: Analog, IP, and Hybrid analog/IP
- Up to 64 recorders, 64 decoders, and 2,048 cameras (in case with encoder) can be registered
- Camera/Sequence/Monitor selection, Camera control and Recorder control can be made with the optional system controller WV-CU950
- Supported Recorders: WJ-ND400 Series, WJ-ND300 Series, WJ-ND200 Series, WJ-HD316, WJ-RT416 Series, WJ-HD716 Series

WV-ASM970

- Multi-Monitor option enables simultaneous use of Operation screen and Monitor screen (1 / 4 / 7 / 9 / 10 / 13 / 16 split) on a dedicated monitor. Two monitor operation is also available.
- Up to 30 ips/camera can be displayed in 16 split-screen in MPEG-4 2 Mbps mode (depending on the camera, camera setup and PC performance).
- Up to 30 ips/camera can be displayed in 16 split-screen in H.264 1.5 Mbps mode with VGA (depending on the camera and camera setup).
- Image resolution dynamically changes depending on the screen mode:VGA for Quad screen, QVGA for 16 split-screen, enabling optimum network usage (depending on the camera model).

WV-ASM970

IP Matrix Client Software

Optional Accessory

Ethernet System Controller with
3D-Joystick & Jog/Shuttle - WV-CU950

WV-ASM100

i-PRO Management Software



WV-ASM100L (Light version)

i-PRO Management Software

Optional Accessory

Ethernet System Controller with
3D-Joystick & Jog/Shuttle - WV-CU950
(Not available for WV-ASM100L)

- Supported Recorders: WJ-ND400 Series, WJ-ND300 Series, WJ-ND200 Series, WJ-HD716/616, WJ-HD300A Series, WJ-RT416 Series
- Up to 100 recorders, 64 encoders and 256 directly connected cameras can be registered
- Up to 6,400 cameras registered in the recorders and 256 cameras registered in the encoders are automatically registered
- Up to 16x 30 ips/camera images can be displayed in H.264 1.5 Mbps mode or MPEG-4 2 Mbps mode
- Up to 400 camera groups
- Camera/Group/Sequence selection, Camera control and Recorder control can be made with the optional system controller WV-CU950 (WV-ASM100 only)



WV-ASM10

i-PRO Monitoring Software



- Supported Recorders: WJ-ND400 Series, WJ-ND300 Series, WJ-ND200 Series, WJ-HD300A Series
- Up to 16 recorders, 64 encoders and 256 directly connected cameras can be registered
- Up to 30 ips/camera in 16 split-screen in MPEG-4 2 Mbps mode
- Up to 400 camera groups



BB-HNP17

Network Camera Recorder with Viewer Software

Launches in April



- H.264, MPEG-4 and JPEG recording
- Supports the recording and playback of H.264 cameras
- Supports resolutions of 1280 x 960
- Remote Access
- Up to 64 cameras Register
- Event Detection Recording
- Freedom of layout setup
- Preset Sequence
- Timer recording with preset designation
- Pop-up display
- Time specified colour night view



BB-HNP15

Network Camera Recorder with Viewer Software



- MPEG-4 and JPEG recording
- Simultaneous Playback of Recorded Images
- Remote Access Function
- Voice Transmission to Network Camera
- Sequential display function
- SSL compatibility
- Snapshot function
- Recording format exchange
- Graphic display of recorded images in list form



BB-HNP11

Network Camera Recorder



- Recording or Playing Images with Audio
- Motion Detection Recording and Timer-recording Functions
- Recorded Image Searches
- Recording Capacity Limit

ANALOGUE PRODUCTS

DOME CAMERAS

WV-CW970 Series

Super Dynamic III
Weather Resistant Dome Camera

WV-CW970 (220-240 V AC:PAL)
WV-CW974 (24 V AC:NTSC, PAL)



Optional Accessory
Wall Mount Bracket - WV-0122

- Advanced auto tracking
- IP66 rated water and dust resistant
- 30x optical zoom lens plus 10x digital zoom
- Super Dynamic III 160x wider dynamic range
- High sensitivity: 0.5 lux (Colour), 0.04 lux (B/W) at F1.4 (Wide) / 0.016 lux (Colour), 0.0013 lux (B/W) at F1.4 (Wide) with Sens Up 32x



WV-CW960 Series

Super Dynamic III
Weather Resistant Dome Camera

WV-CW960 (220-240 V AC:PAL)
WV-CW964 (24 V AC:NTSC, PAL)



Optional Accessory
Wall Mount Bracket - WV-0122

- Standard auto tracking
- IP66 rated water and dust resistant
- 30x optical zoom lens plus 10x digital zoom
- Super Dynamic III 160x wider dynamic range
- High sensitivity: 0.5 lux (Colour), 0.04 lux (B/W) at F1.4 (Wide) / 0.016 lux (Colour), 0.0013 lux (B/W) at F1.4 (Wide) with Sens Up 32x



WV-CS950 Series

Super Dynamic III
Day/Night Dome Camera

WV-CS950 (220-240 V AC:PAL)
WV-CS954 (24 V AC:NTSC, PAL)



Optional Accessory
Ceiling Mount Bracket - WV-0105
Embedded Ceiling Mount Bracket - WV-0116
Wall Mount Bracket - WV-0118
Pendant Mount Bracket - WV-0117
Smoke Dome Cover - WV-CS3S

- 30x optical zoom lens plus 10x digital zoom
- Super Dynamic III 160x wider dynamic range
- High sensitivity: 0.5 lux (Colour), 0.04 lux (B/W) at F1.4 (Wide)
- Auto tracking capability



WV-CS570 Series

Colour Dome Camera

WV-CS570 (220-240 V AC:PAL)
WV-CS574 (24 V AC:NTSC, PAL)



Optional Accessory
Ceiling Mount Bracket - WV-0105 (for PAL only)
Embedded Ceiling Mount Bracket - WV-0106
Pendant Mount Bracket - WV-0117
Wall Mount Bracket - WV-0118
Smoke Dome Cover - WV-CS3S

- 22x optical zoom lens plus 10x digital zoom
- High sensitivity: 1.0 lux (Colour) at F1.6 (Wide)
- High resolution: 510 TV lines (Colour, High)



FIXED DOME CAMERAS

WV-CW500 Series

Super Dynamic 5
Vandal Resistant Fixed Dome Camera

WV-CW500S (220-240 V AC:PAL)
WV-CW504S (24 V AC or 12 V DC:NTSC, PAL)
WV-CW504F (24 V AC or 12 V DC:NTSC)

Optional Accessory

Mount Bracket for WV-CW504F - WV-0115
Heater Unit - WV-CW3H
Embedded Ceiling Mount Bracket - WV-0169
Smoke Dome Cover - WV-CW4S



(Surface Mount Type)

- Super Dynamic 5 delivers Superior image by fusion of Super Dynamic, ABS (Adaptive Black Stretch) and i-VMD (intelligent-Video Motion Detection) intelligence technology
- High sensitivity: 0.1 lux (Colour), 0.01 lux (B/W) at F1.4 (Wide) / 0.003 lux (Colour), 0.0003 lux (B/W) at F1.4 (Wide) with Sens Up 32x
- High resolution: 650 TV lines typical (Colour), 700 TV lines (B/W)



WV-CW240 Series

Vandal Resistant Fixed Dome Camera

WV-CW240S (220-240 V AC:PAL)
WV-CW244F (24 V AC or 12 V DC:NTSC, PAL)
WV-CW244S (24 V AC or 12 V DC:NTSC)

Optional Accessory

Heater Unit - WV-CW3H
Clear Dome Cover - WV-CW2C (NTSC only)
Smoke Dome Cover - WV-CW2S - (PAL only)
Mount Bracket for WV-CW244F
- WV-0112 (NTSC only)
- WV-0113 (PAL only)



WV-CW240S
(Surface Mount Type)

WV-CW244F
(Flush Mount Type)

- 2x (3.8 ~ 8.0 mm) varifocal lens built-in
- IP66 rated water and dust resistant
- High resolution: 480 TV lines
- High sensitivity: 1.0 lux (Colour) at F1.4 (Wide)



WV-CF334/CF364

Day/Night Fixed Dome Camera (for PAL only)

WV-CF334 (24 V AC or 12 V DC:PAL)
WV-CF364 (24 V AC or 12 V DC:PAL)

Optional Accessory

Embedded Ceiling Mount Bracket - WV-0168
Smoke Dome Cover - WV-CF5S



WV-CF334

WV-CF364

- 2.8 ~ 10 mm 3.6x Varifocal lens built-in
- High sensitivity: 0.6 lux (Colour) 0.4 lux (B/W) at F1.3(Wide) (WV-CF334)
- High sensitivity: 0.6 lux (Colour) 0.05 lux (B/W) at F1.3(Wide) (WV-CF364)
- Adaptive Black Stretch enhances visibility of dark area



(WV-CF334 only)

(WV-CF364 only)

WV-CF284/CF294

Day/Night Fixed Dome Camera

WV-CF284 (24 V AC or 12 V DC:NTSC,PAL)
WV-CF294 (24 V AC or 12 V DC:NTSC,PAL)

Optional Accessory

Embedded Ceiling Mount Bracket - WV-0168
Smoke Dome Cover - WV-CF5S



WV-CF294

WV-CF284

- WV-CF294: 3.6x (2.8 ~ 10 mm) varifocal lens built-in
- WV-CF284: 2x (2.8 ~ 6.0 mm) varifocal lens built-in
- High sensitivity: 0.9 lux (Colour), 0.6 lux (B/W)
- Auto Back Focus (ABF) adjustment (WV-CF294 only)
- Adaptive Black Stretch



(WV-CF294 only)

WV-CF324

Metal Body Day/Night Fixed Dome Camera

(24 V AC or 12 V DC:NTSC,PAL)

Optional Accessory

Smoke Dome Cover - WV-NF5S



- 3.6x (2.8 ~ 10 mm) varifocal lens built-in
- High sensitivity: 0.9 lux (Colour), 0.6 lux (B/W) at F1.3 (Wide)
- Auto Back Focus (ABF) adjustment
- Adaptive Black Stretch enhances the visibility of dark area



WV-CF102

Day/Night Mini Fixed Dome Camera (for PAL only)

(12 V DC:PAL)

Optional Accessory

Smoke Dome Cover - WV-CF5S



- 108 mm in diameter compact design
- 2.5 mm fixed focal lens
- High resolution: 540 TV lines
- High sensitivity: 1.2 lux (Colour), 0.9 lux (B/W) at F2.0
- Adaptive Black Stretch enhances the visibility of dark area



ANALOGUE PRODUCTS

FIXED CAMERAS

WV-CP500 Series

Network Camera

WV-CP500
(120V AC:NTSC, 220-240 V AC:PAL)
WV-CP504
(24 V AC or 12 V DC:NTSC,PAL)



WV-CP504
WV-CP504L
Lens: optional

- Super Dynamic 5 delivers Superior image by fusion of Super Dynamic, ABS (Adaptive Black Stretch) and i-VMD (Intelligent-Video Motion Detection) intelligence technology
- High sensitivity: 0.1 lux (Colour), 0.01 lux (B/W) at F1.4 / 0.003 lux (Colour), 0.0003lux (B/W) at F1.4 with Sens Up 32x
- High resolution: 650 TV lines typical (Colour), 700 TV lines (B/W)



WV-CP500L Series

Network Camera

WV-CP500L
(220-240 V AC:PAL)
WV-CP504L
(24 V AC or 12 V DC:PAL)



WV-CP500
WV-CP500L
Lens: optional

- Super Dynamic 5 delivers Superior image by fusion of Super Dynamic, ABS (Adaptive Black Stretch)
- High sensitivity: 0.1 lux (Colour), 0.07 lux (B/W) at F1.4 / 0.003 lux (Colour), 0.002lux (B/W) at F1.4 with Sens Up 32x
- High resolution: 650 TV lines typical



WV-CW380 Series

Super Dynamic III
Weather Resistant Day/Night Camera

WV-CW380
(220-240 V AC:PAL)
WV-CW384
(24 V AC or 12 V DC:NTSC,PAL)



- Super Dynamic III 160x wider dynamic range
- High sensitivity: 0.65 lux (Colour), 0.09 lux (B/W) at F1.6 / 0.065 lux (Colour), 0.009 lux (B/W) at F1.6 with Sens Up 10x
- ABF (Auto Back Focus) adjustment
- IP66 rated water and dust resistant
- Built-in heater function for varying temperature
- 5.0 ~ 40 mm, 8x varifocal lens with 2x digital zoom



WV-CL930 Series

High Sensitive Day/Night Camera

WV-CL930 (120 V AC:NTSC, 220-240V AC:PAL)
WV-CL934 (24 V AC or 12 V DC:NTSC, PAL)
WV-CL930 (220-240 V AC with RS-485 control IF:PAL)
WV-CL934 (24 V AC or 12 V DC with RS-485 control IF:PAL)



Lens: optional

- 1/2 inch interline transfer CCD
- Ultra high sensitivity: 0.09 lux (Colour), 0.008 lux (B/W) at F1.4 / 0.003 lux (Colour), 0.0003 lux (B/W) at F1.4 with Sens Up 32x
- ABF (Auto Back Focus) adjustment
- Built-in VMD (Video Motion Detector)



WV-CP290 Series

Day/Night Camera

WV-CP280
(120 V AC:NTSC, 220-240V AC:PAL)
WV-CP284
(12 V DC or 24 V AC:NTSC, PAL)

Launches in August (PAL) /
September (NTSC)

- ABS (Adaptive Black Stretch) enhances visibility of dark area without degrading image quality in bright area.
- High sensitivity: 0.8 lux (Colour), 0.05 lux (B/W) at F1.4
- High resolution: 540 TV lines



WV-CP250 Series

Day/Night Camera (for PAL only)

WV-CP250
(220-240 V AC:PAL)
WV-CP254
(24 V AC or 12 V DC:PAL)



Lens: optional

- High sensitivity: 1.0 lux (Colour), 0.15 lux (B/W) at F1.4
- High resolution: 480 TV lines (Colour) and 570 TV lines (B/W)
- BLC (Back Light Compensation)



WV-CP280 Series

Day/Night Camera

WV-CP280
(120 V AC:NTSC, 220-240V AC:PAL)
WV-CP284
(24 V AC or 12 V DC:NTSC, PAL)



Lens: optional

- ABS (Adaptive Black Stretch) feature transforms shadows and dark areas into natural and crisp images in real time
- High sensitivity: 0.6 lux (Colour), 0.4 lux (B/W) at F1.2
- High resolution: 540 TV lines (Colour)



WV-CZ362

Day/Night Camera
(for PAL only)

(12 V DC:PAL)



- 22x optical zoom lens plus 10x digital zoom
- High sensitivity: 0.6 lux (Colour), 0.04 lux (B/W)
- High resolution: 510 TV lines (Colour, High) and 570 TV lines (B/W)



SURVEILLANCE AND MONITORING SYSTEMS LINEUP

DIGITAL VIDEO RECORDERS

WJ-HD716

16ch Real-time H.264 Digital Disk Recorder
(120 V AC:NTSC, 220-240 V AC:PAL)



WJ-HD716

- Dual HDMI Full HD 1080i (1,920 x 1,080) display
- H.264 (High Profile) codec reduces bandwidth by up to 40 % compared with MPEG-4
- SD5Link (Super Dynamic 5 Link) with i-VMD (Intelligent-Video Motion Detection) alarm
- Real-time recording (WJ-HD716) and 16ch 2x monitors real-time live
- Up to 31 HDD slots with 4 HDD slots in the main unit and three WJ-HDE400 optional Extension Units each with 9 HDD slots



Optional Accessory

HDD Canister - WJ-HDU40K
RAID Board - WJ-HDB601
Built-in DVD Drive - WJ-HDB611
Hard Disk Extension Unit - WJ-HDE400

WJ-HD616

16ch H.264 Digital Disk Recorder
(120 V AC:NTSC, 220-240 V AC:PAL)

WJ-RT416 Series

16CH Real-Time MPEG-4 Digital Disk Recorder



WJ-RT416 - (120 V AC:NTSC, 220-240 V AC:PAL)
WJ-RT416V - (120 V AC:NTSC, 220-240 V AC:PAL)
(with DVD drive)

Optional Accessory

4CH Camera Control Board - WV-PB4164

- Records all 16 cameras at 25 ips(PAL) and 30 ips (NTSC)
- Multiplexed video and control data over the coax (4ch default, additional 4ch by optional WV-PB4164)
- Equipped with 6 HDD slots (5 HDD slots and 1 DVD drive for V models)
- Image format: MPEG-4



WJ-HL208 (for PAL only)

8ch Real-time H.264 Digital Disk Recorder
(100-240 V AC:PAL)



WJ-HL208

- H.264 codec for efficient digital video recording
- Real time recording @ CIF resolution WJ-HL208: 200 ips, WJ-HL204: 100 ips
- 4 recording qualities and 3 recording resolution
- Easy Operation with user-friendly GUI (Graphical User Interface) and Mouse
- Equipped with 3 HDD slots

WJ-HL204 (for PAL only)

4ch Real-time H.264 Digital Disk Recorder
(100-240 V AC:PAL)

Optional Accessory

WJ-HD300A Series

16CH/9CH Digital Disk Recorder



WJ-HD316A



WJ-HD309A

WJ-HD316A (120 V AC:NTSC,
220-240 V AC:PAL)(16 camera inputs)
WJ-HD309A (120 V AC:NTSC,
220-240 V AC:PAL)(9 camera inputs)

Optional Accessory

Hard Disk Extension Unit - WJ-HDE300
(4 drive bays for optional HDD units)

- 9 (WJ-HD309A) / 16 (WJ-HD316A) analog video inputs
- High density recording: 50 ips (100 ips @SIF)
- Full rate live multi screen: 50 ips per camera
- Simultaneous Live/Rec./Playback/Network
- 4 recording programs and 6 timer schedules per day
- RAID1, RAID5 redundancy



CONTROLLERS

WV-CU950

Ethernet System Controller
with 3D-Joystick & Jog/Shuttle



- For smooth operation of Ethernet/PS Data interfaced devices, WV-ASM100/WV-ASC970 and System650EX/System650/System150 (WJ-SX150A version 2.0 or higher)
- Integrated system control: camera, recorder and switcher
- User level management and user assignable buttons
- Universal design for Right or Left handed

WV-CU650

RS-485 System Controller
with 3D-Joystick & Jog/Shuttle



- For smooth operation of PS Data interfaced devices, and System650/System150 (WJ-SX150A version 2.0 or higher)
- Integrated system control: camera, recorder and switcher
- User level management and user assignable buttons
- Universal design for Right or Left handed

WV-CU360CJ

RS-485 System Controller with 3D-Joystick



- Remote control of the Panasonic dome cameras via PS Data link mode through WJ-MP204C
- Remote control of Panasonic PS Data products
- Remote control of the System650/System150 via RS-485 terminal mode

WV-CU161C

1CH Camera Controller



- Remote control of various functions for the Panasonic dome camera:
Preset/Lens/Pan and Tilt/Receiver/Camera
- Preset data: up/download function
- Built-in RS-485 terminal

WJ-MP204C

4CH Data Multiplex Unit



Optional Accessory

Daisy Chain Connection
WV-CA48/10K (Cable Kit)
WV-CA48/50 (Cable)
WV-CA48/JN (Junction Unit)
WV-Q204/1S
(for mounting one WJ-MP204C)
WV-Q204/2S
(for mounting two WJ-MP204C)

- Enables PS Data system to control Panasonic cameras via coax interface
- Converts RS-485 camera control interface to coaxial control interface
- Up to four WJ-MP204C can be connected in cascade enabling telemetry system for 4 ~ 16 cameras

MATRIX SYSTEM

System650EX with WV-ASC970

512 Inputs Matrix Switching System



- Up to 512 inputs and 64 outputs
- Simultaneous use of up to 64 WV-CU950 Ethernet System Controllers
- Up to 512 users
- Up to 32 recorders (WJ-HD716/WJ-HD616, WJ-HD300A Series, WJ-RT416 Series)
- Up to 64 Satellite domains

System650EX/System650 System Components

Matrix Switcher WJ-SK650	Card Cage WJ-SK650U	Video Input Board WJ-PB65C32 (32 inputs)	Video Output Board WJ-PB65M16 (16 outputs)	Network Board WJ-PB65E01 (for System650EX only)	D-sub/BNC Video Cable WJ-CA68 (0.5 m) WJ-CA65L30K	Expansion Cable Kit WJ-CA65L20K (2 m) WJ-CA65L07K (0.7 m)	RS-485 System Controller with 3D-Joystick & Jog/Shuttle WV-CU650 (for System650 only)	Ethernet System Controller with 3D-Joystick & Jog/Shuttle WV-CU950	IP Matrix Server Software WV-ASC970 (for System650EX only)	IP Matrix Client Software WV-ASM970
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System650

256 Inputs Matrix Switching System



- Up to 256 inputs and 32 outputs
- Simultaneous use of up to 16 WV-CU650 RS-485 System Controllers
- Up to 60 users
- Up to 16 recorders (WJ-HD716/WJ-HD616, WJ-HD300A Series, WJ-RT416 Series)

System150

64 Inputs Matrix Switcher System



- Up to 64 inputs and 4 outputs
- Simultaneous use of up to 4 RS-485 System Controllers
- Up to 16 users
- Up to 4 recorders

System150 System Components

16 Inputs Matrix Switcher WJ-SK150A	RS-485 System Controller with 3D-Joystick & Jog/Shuttle WV-CU650	RS-485 System Controller with 3D-Joystick WV-CU360CJ
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WJ-MS424

4CH Multiscreen Unit

SWITCHER



- 25 frames/sec real time quad display
- High picture quality with 8 bit/14.3 MHz sampling
- Quad picture and sequential switching function
- Video Loss detection

LCD MONITORS

WV-LW2200

22" Full HD Wide LCD Monitor
(120 V AC:NTSC, 220-240 V AC:PAL)



eco
ideas

WV-LW2200

Power Consumption Reduction by 23 %
Annual Power Consumption 290 kWh/year
vs. 2006 model WV-LC1900 (377 kWh/year)
* 19.5 hours/24 hours in ECO mode

WV-LW1900

Power Consumption Reduction by 32 %
Annual Power Consumption 243 kWh/year
vs. 2007 model WV-LC1700 (359 kWh/year)
* 19.5 hours/24 hours in ECO mode

- Screen resolution: WV-LW2200 : 1,920 x 1,080 (Full HD) / WV-LW1900 : 1,366 x 768 (HD)
- High contrast: 1000 : 1 (typical)
- HDMI 1080p compatible
- Automatic power-save function



WV-LC1900

19" SXGA LCD Monitor
(120 V AC:NTSC, 100-240 V AC:PAL)



WV-LC1700

17" SXGA LCD Monitor
(120 V AC:NTSC, 220-240 V AC:PAL)

Optional Accessory




Rack Mount Bracket - W0-LM191


- Screen resolution: 1,280 x 1,024 (SXGA)
- Horizontal resolution: 500 TV lines
- High contrast 800 : 1
- Full colour display: Approx. 16.7 million colours


SURVEILLANCE AND MONITORING SYSTEMS LINEUP

LENSES

1/3 inch Auto Iris Lenses	Super Wide WV-LA2R8C3B 2.8 mm, F1.3		Wide WV-LA4R5C3B 4.5 mm, F1.2		Standard WV-LA9C3B 9 mm, F1.2	
Focal Length	2.8 mm		4.5 mm		9 mm	
Iris Type	Automatic		Automatic		Automatic	
Optical Filter Size	None		None		None	
Mount	Special C-Mount, (CS-Mount, 1-32UN)		Special C-Mount, (CS-Mount, 1-32UN)		Special C-Mount, (CS-Mount, 1-32UN)	
Dimensions (D x H)	ø52 x 31.8 mm		ø52 x 31.8 mm		ø52 x 31.8 mm	

1/3 inch Variable Focal Lenses	2x Variable WV-LZA62/2 2.8 ~ 6 mm F1.4 (wide) F2.1 (tele)		2x Variable WV-LZA61/2S 3.8 ~ 8 mm F1.4 (wide) F1.8 (tele)		8x Variable WV-LZ62/8S 5 ~ 40 mm F1.6 (wide) F1.9 (tele)	
Focal Length	2.8 ~ 6 mm		3.8 ~ 8 mm		5 ~ 40 mm	
Iris Type	Automatic		Automatic		Automatic	
Optical Filter Size	None		M30.5 mm, P = 0.5 mm		None	
Mount	Special C-Mount		Special C-Mount, (CS-Mount, 1-32UN)		Special C-Mount, (CS-Mount, 1-32UN)	
Dimensions (W x H x D)	64 x 60 x 60.9 mm		60.5 x 53 x 45.3 mm		61 x 52 x 65 mm	

1/3 inch Zoom Lens	15x Motorized WV-LZ61/15 6 ~ 90 mm, F1.6	
Focal Length	6 ~ 90 mm (15x)	
Iris Type	Automatic	
Optical Filter Size	M46 mm, P = 0.75 mm	
Mount	Special C-Mount, (CS-Mount, 1-32UN)	
Dimensions (W x H x D)	79 x 67 x 87 mm	
Focus Control	Far: 120 mA at +6 ~ +12 V DC Near: 120 mA at -16 ~ -12 V DC	
Zoom Control	Wide: 120 mA at +6 ~ +12 V DC Tele: 120 mA at -16 ~ -12 V DC	
Pin Configuration	1. Common 2. Not Used 3. Focus 4. Zoom	

1/2 inch Zoom Lens	10x Motorized WV-LZ81/10 8.0 ~ 80 mm, F1.4	
Focal Length	8 ~ 80 mm (10x)	
Iris Type	Automatic	
Optical Filter Size	M55 mm, P = 0.75 mm	
Mount	Special C-Mount, (CS-Mount, 1-32UN)	
Dimensions (W x H x D)	81 x 66 x 114 mm	
Focus Control	Far: 67 mA at +8 V DC Near: 35 mA at -8 V DC	
Zoom Control	Wide: 28 mA at +8 V DC Tele: 28 mA at -8 V DC	
Pin Configuration	1. Common 2. Not Used 3. Focus 4. Zoom	









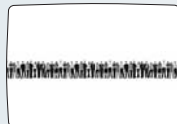
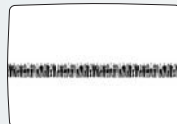

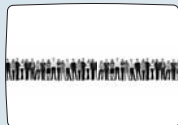

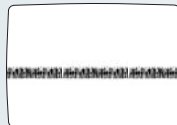
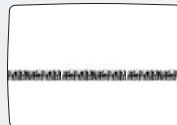


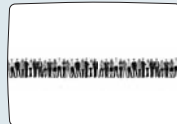
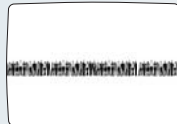
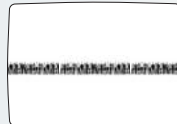


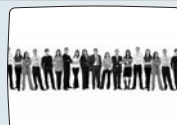

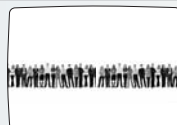




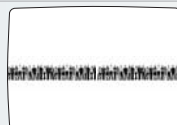






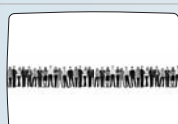
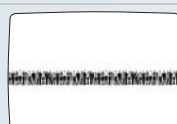
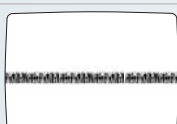
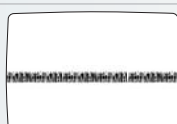



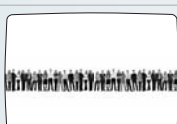
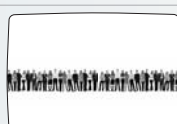



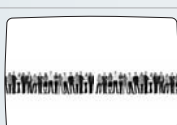






CAMERAS/LENSES COMBINATION CHART

Panasonic offers wide variety of lenses to suit for the specific applications

Type of Lens	Model No.	Focal Length	1/3 inch CCD Cameras			1/2 inch CCD Camera
			Colour Cameras WV-SP306 / WV-SP305 / WV-SP302 / WV-NP502 / WV-NP1000 / WV-NP304	Colour Cameras WV-NP240 WV-CP250 WV-CP280	Colour Cameras WV-CP500 WV-CP500L	Colour Camera WV-CL930
1/3 inch ALC	WV-LA2R8C3B	2.8 mm	NO	YES	NO	NO
	WV-LA4R5C3B	4.5 mm	NO	YES	NO	NO
	WV-LA9C3B	9 mm	NO	YES	NO	NO
1/3 inch Variable Focal	WV-LZA62/2	2.8 ~ 6 mm	YES	Possible	YES	NO
	WV-LZA61/2S	3.8 ~ 8 mm	NO	YES	YES	NO
	WV-LZ62/8S	5 ~ 40 mm	NO	YES	YES	NO
1/3 inch Zoom	WV-LZ61/15	6 ~ 90 mm	NO	YES	YES	NO
1/2 inch Zoom	WV-LZ81/10	8 ~ 80 mm	NO	YES	YES	YES

LENS SELECTION CHART

The examples displayed below are monitor images captured with 1/3 inch cameras, illustrating the relationship between lens focal length and the capture image. Use these images to select the type of lens best suited to your application.

Lens and Focal Length		Distance between Camera and Subject					
		2 m	4 m	6 m	8 m	10 m	
1/3 inch Lens	Standard Angle WV-LA9C3B (9 mm)	 Ratio 200% 1.1(W) x 0.8(H) m	 Ratio 100% 2.1(W) x 1.6(H) m	 Ratio 67% 3.2(W) x 2.4(H) m	 Ratio 50% 4.3(W) x 3.2(H) m	 Ratio 40% 5.3(W) x 4.0(H) m	
	Wide Angle WV-LA4R5C3B (4.5 mm)	 Ratio 100% 2.1(W) x 1.6(H) m	 Ratio 50% 4.3(W) x 3.2(H) m	 Ratio 33% 6.4(W) x 4.8(H) m	 Ratio 25% 8.5(W) x 6.4(H) m	 Ratio 20% 10.7(W) x 8.0(H) m	
	Super Wide Angle WV-LA2R8C3B (2.8 mm)	 Ratio 62% 3.4(W) x 2.6(H) m	 Ratio 31% 6.9(W) x 5.1(H) m	 Ratio 21% 10.3(W) x 7.7(H) m	 Ratio 16% 13.7(W) x 10.3(H) m	 Ratio 12% 17.1(W) x 12.9(H) m	
	2x Variable Focal WV-LZA61/2S (3.8 ~ 8 mm)	3.8 mm (Wide)	 Ratio 84% 2.5(W) x 1.9(H) m	 Ratio 42% 5.1(W) x 3.8(H) m	 Ratio 28% 7.6(W) x 5.7(H) m	 Ratio 21% 10.1(W) x 7.6(H) m	 Ratio 17% 12.6(W) x 9.5(H) m
		8 mm (Standard)	 Ratio 178% 1.2(W) x 0.9(H) m	 Ratio 89% 2.4(W) x 1.8(H) m	 Ratio 59% 3.6(W) x 2.7(H) m	 Ratio 44% 4.8(W) x 3.6(H) m	 Ratio 36% 6.0(W) x 4.5(H) m
	8x Variable Focal WV-LZ62/8S (5 ~ 40 mm)	5 mm (Wide)	 Ratio 111% 1.9(W) x 1.4(H) m	 Ratio 56% 3.8(W) x 2.9(H) m	 Ratio 37% 5.8(W) x 4.3(H) m	 Ratio 28% 7.7(W) x 5.8(H) m	 Ratio 22% 9.6(W) x 7.2(H) m
		40 mm (Tele)	 Ratio 889% 0.24(W) x 0.18(H) m	 Ratio 444% 0.48(W) x 0.36(H) m	 Ratio 296% 0.72(W) x 0.54(H) m	 Ratio 222% 0.96(W) x 0.72(H) m	 Ratio 178% 1.2(W) x 0.9(H) m
	2x Variable Focal WV-LZA62/2 (2.8 ~ 6 mm)	2.8 mm (Super Wide)	 Ratio 62% 3.4(W) x 2.6(H) m	 Ratio 31% 6.9(W) x 5.1(H) m	 Ratio 21% 10.3(W) x 7.7(H) m	 Ratio 16% 13.7(W) x 10.3(H) m	 Ratio 12% 17.1(W) x 12.9(H) m
		6 mm (Wide)	 Ratio 133% 1.6(W) x 1.2(H) m	 Ratio 67% 3.2(W) x 2.4(H) m	 Ratio 44% 4.8(W) x 3.6(H) m	 Ratio 33% 6.4(W) x 4.8(H) m	 Ratio 27% 8.0(W) x 6.0(H) m
	15x Motorized WV-LZ61/15 (6 ~ 90 mm)	6 mm (Wide)	 Ratio 133% 1.6(W) x 1.2(H) m	 Ratio 67% 3.2(W) x 2.4(H) m	 Ratio 44% 4.8(W) x 3.6(H) m	 Ratio 33% 6.4(W) x 4.8(H) m	 Ratio 27% 8.0(W) x 6.0(H) m
		90 mm (Tele)	 Ratio 2100% 0.1(W) x 0.08(H) m	 Ratio 1000% 0.21(W) x 0.16(H) m	 Ratio 677% 0.31(W) x 0.24(H) m	 Ratio 500% 0.42(W) x 0.32(H) m	 Ratio 396% 0.53(W) x 0.4(H) m

*Because of monitor over scan, actual images seen may differ slightly from those shown here.

*"Capture image" is the area included in the image by the camera. "Ratio" determines the proportion of this area occupied by the subject in the image that appears on the monitor [Height]. If the subject fills the whole screen with the ratio set at 100%, reducing the ratio to 50% will make the subject only half as large.

*When the distance from the camera to the subject is 10 m or more, set both distance to subject and lens focal length to 10x.

SURVEILLANCE AND MONITORING SYSTEMS LINEUP

FIXED NETWORK CAMERAS

BL-C230

Network Camera

100-240 V AC:NTSC,
220-240 V AC:PAL



- H.264 and JPEG dual stream output
- 3x Digital zoom function
- TV Connection*
- External input and output connector
- Sound Detection Sensor
- Privacy mode
- SSL support
- Wireless Communication (IEEE 802.11b/g)
- Remote Pan and Tilt control
- Multi-camera capability
- Cell Phone Monitoring

*For US model only



BL-C210

Network Camera

100-240 V AC:NTSC,
220-240 V AC:PAL



- H.264 and JPEG dual stream output
- 3x Digital zoom function(by area)
- TV Connection*
- External input connector
- Sound Detection Sensor
- Privacy mode
- SSL Support
- Remote Pan and Tilt control
- Multi-camera capability
- Cell Phone Monitoring

*For US model only



BL-C160

Network Camera

100-240 V AC:NTSC,
220-240 V AC:PAL



- MPEG-4 and JPEG dual stream output
- Built-in LED Light
- Outdoor Ready (IPX4)
- 10x Digital Zoom Function
- Built-in Human Detection Sensor
- Motion Detection Function
- Image Transfer Function
- Cell Phone Monitoring



BL-C140

Network Camera

100-240 V AC:NTSC,
220-240 V AC:PAL



- MPEG-4 and JPEG dual stream output
- Outdoor ready (IPX4)
- 10x Digital Zoom Function
- Motion Detection Function
- Image Transfer Function
- Colour Night View Mode (3.00 lux)
- Cell Phone Monitoring



BL-C131

Network Camera

100-240 V AC:NTSC,
220-240 V AC:PAL



- MPEG-4 and JPEG dual stream output
- 10x Digital Zoom Function
- Built-in microphone
- Wireless LAN (802.11b/802.11g)
- Built-in Human Detection Sensor
- Privacy mode
- Remote Pan and Tilt control
- Cell Phone Monitoring



BL-C111

Network Camera

100-240 V AC:NTSC,
220-240 V AC:PAL



- MPEG-4 and JPEG dual stream output
- 10x Digital Zoom Function
- Built-in microphone
- Built-in Human Detection Sensor
- Privacy mode
- Remote Pan and Tilt control
- Cell Phone Monitoring



BL-C121

Network Camera

100-240 V AC:NTSC,
220-240 V AC:PAL



- MPEG-4 and JPEG dual stream output
- 10x Digital Zoom Function
- Wireless Communication (IEEE 802.11b/g)
- Built-in microphone
- Multi-camera capability
- Motion Detection Function
- External input and output connector
- Detection Notification Sound
- Cell Phone Monitoring



BL-C101

Network Camera

100-240 V AC:NTSC,
220-240 V AC:PAL



- MPEG-4 and JPEG dual stream output
- 10x Digital Zoom Function
- Built-in microphone
- Built-in Human Detection Sensor
- Privacy mode
- Remote Pan and Tilt control
- Cell Phone Monitoring



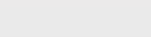
BL-C1

Network Camera

100-240 V AC:NTSC,
220-240 V AC:PAL



- 10x Digital Zoom
- Motion Detection
- Cell Phone Monitoring



*When you use more than one(1) PCs to see any moving image by H.264, you are requested to buy User License Accessory (Item No. BB-HCA8) additionally. Models: BL-C230/BL-C210



**INTELLIGENT
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DETECTION**

**LOWER NETWORK
BANDWIDTH
CONSUMPTION**

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SmartHD**

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The new SmartHD security systems from Panasonic combine sophisticated features with lower power consumption and Hi-Definition imaging.

Ground breaking VRS (Various Resolution at Specific Area) technology allows Panasonic SmartHD cameras to capture and transmit only the relevant aspects of an image in HD, reducing network bandwidth consumption.

BECAUSE HD SURVEILLANCE MATTERS

EVERYTHING MATTERS



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www.panasonic.co.uk/cctv

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REAL TIME FACE DETECTION
LOWER NETWORK BANDWIDTH CONSUMPTION

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