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**Surveillance and Monitoring
Systems Lineup**

2013 April

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New Technology for Analog products

New "Superior Reality" processor realizes much high efficiency, such as high resolution, color reproducibility, high sensitivity, lens distortion, auto tracking (PTZ camera only), scene change detection (fixed camera only), auto image stabilizer.

Feature names

Full High Definition	High Definition	H.264, MPEG-4 and JPEG supported	H.264 and JPEG supported	MPEG-4 and JPEG supported	MPEG-4 supported			
90x Extra Optical Zoom	72x Extra Optical Zoom	36x Extra Optical Zoom	36x Optical Zoom	30x Optical Zoom	22x Optical Zoom	21x Optical Zoom	2.3x Optical Zoom	VIQS 2 areas VIQS (Variable Image Quality on Specified Area)
Face Detection	Face Matching	Auto Back Focus	Wireless Communication	Human Detection Sensor				
Cell Phone Monitoring	Day & Night (IR)	Day & Night (Electrical)	Water and Dust Resistance: IP55	Water and Dust Resistance: IP66				
Vandal Resistant	Sound Detection	Color Night View Mode	Built-in LED Light	Intelligent-Video Motion Detection	Shock Detection			

NETWORK PRODUCTS



Dome Network Cameras

Super Dynamic Weather Resistant Full HD PTZ Dome Network Camera **WV-SW598**

(24 V AC or PoE Plus: NTSC, PAL)



- 1080p HD images up to 30 fps
- 2.4 Megapixel high sensitivity MOS Sensor
- Super high resolution at Full HD / 1,920 x 1,080
- **30x optical zoom** 90x extra optical zoom at 640 x 360 resolution with 12x digital zoom enabling 1080x zoom
- **Super Dynamic** and ABS (Adaptive Black Stretch) technologies deliver 128x wider dynamic range compared to conventional cameras.
- **Face Super Dynamic** technology ensures clear face image.
- VIQS (Variable Image Quality on Specified area) technology allows the designated **2 areas** to retain higher image quality while the excluded area will have a decreased image quality, which enables to use lower image file size and bitrate. VIQS can be set on preset position (1 to 8) and except preset
- Digital Noise Reduction: 3D-DNR ensure noise reduction in various conditions
- **360 degrees endless Panning**
- VMD (Video Motion Detection) with 4 programmable detection areas, 15 steps sensitivity level and 10 steps detection size
- IP66 rated water and dust resistant. Compatible with IEC60529 measurement standard
- Fog and Sandstorm compensation
- Dehumidification device for use in various weather conditions
- ONVIF compliant model

Super Dynamic Weather Resistant HD Dome Network Camera **WV-SW396**

(24 V AC or PoE Plus: NTSC, PAL)



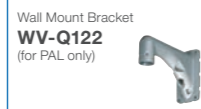
Super Dynamic Weather Resistant HD Dome Network Camera **WV-SW395**

(24 V AC or PoE Plus: NTSC, PAL)

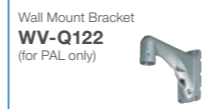


- 720p HD images up to 30 fps
- Newly developed 1.3 Megapixel double speed MOS Sensor
- High resolution recording by "UniPhier®"
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- High sensitivity: 0.5 lx (Color), 0.06 lx (B/W) at F1.6 (Wide) / 0.031 lx (Color), 0.004 lx (B/W) at F1.6 (Wide) with Sens Up 16x
- **Super Dynamic** 128x wider dynamic range
- **Face Super Dynamic** technology ensures clear face image.
- 18x optical zoom with 12x digital zoom enabling 216x zoom.
- 36x extra optical zoom at VGA resolution with 12x digital zoom enabling 432x zoom.
- Panning with auto flip function can be performed 0 to 360 degrees
- Auto tracking
- Supports Power over Ethernet Plus (PoE+) IEEE 802.3at (does not support IEEE 802.3af)
- Dehumidification device for use in various weather conditions
- Smart phone Monitoring
- ONVIF compliant model

Optional accessory



Optional accessory



Super Dynamic HD Dome Network Camera **WV-SC386**

(12V DC or PoE: NTSC, PAL)



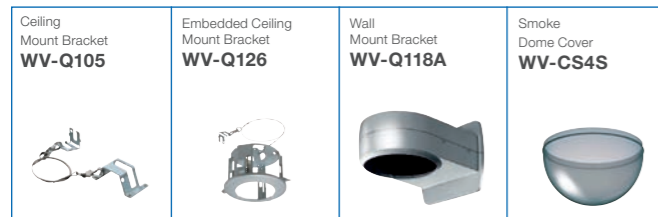
Super Dynamic HD Dome Network Camera **WV-SC385**

(12 V DC or PoE: NTSC, PAL)



- 720p HD images up to 30 fps
- Newly developed 1.3 Megapixel double speed MOS Sensor
- High resolution recording by "UniPhier®"
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- High sensitivity: 0.5 lx (Color), 0.06 lx (B/W) at F1.6 (Wide) / 0.031 lx (Color), 0.004 lx (B/W) at F1.6 (Wide) with Sens Up 16x
- **Super Dynamic** 128x wider dynamic range
- **Face Super Dynamic** technology ensures clear face image.
- 18x optical zoom with 12x digital zoom enabling 216x zoom.
- 36x extra optical zoom at VGA resolution with 12x digital zoom enabling 432x zoom.
- Panning with auto flip function can be performed 0 to 360 degrees
- Auto tracking
- Supports Power over Ethernet (PoE) IEEE 802.3af
- Smart phone Monitoring
- Desktop/Ceiling position choice and various optional brackets for versatile installations
- ONVIF compliant model

Optional accessories



Optional accessories



Fixed Dome Network Cameras

HD Dome Network Camera **WV-SC384**

(12V DC or PoE: NTSC, PAL)



- 720p HD images up to 30 fps
- Newly developed 1.3 Megapixel MOS Sensor
- High resolution recording by "UniPhier®"
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- High sensitivity: 0.6 lx (Color), 0.5 lx (B/W) at F1.6 (Wide) / 0.038 lx (Color), 0.031 lx (B/W) at F1.6 (Wide) with Sens Up 16x
- 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.
- 18x optical zoom with 8x digital zoom enabling 144x zoom.
- 36x extra optical zoom at VGA resolution with 8x digital zoom enabling 288x zoom.
- Panning with auto flip function can be performed 0 to 360 degrees
- Advanced auto tracking
- Supports Power over Ethernet (PoE) IEEE 802.3af
- Smart phone Monitoring
- ONVIF compliant model

Optional accessories



Super Dynamic Full HD Vandal Resistant Dome Network Camera **WV-SW558**

(12 V DC or PoE: NTSC, PAL)



- 1080p Full HD images up to 30 fps and 360p image up to 30fps simultaneously.
- Super high resolution at Full HD/1,920 x 1,080 created by 3.1 Megapixel high sensitivity MOS Sensor.
- Combining enhanced "UniPhier®", Panasonic's proprietary System LSI platform and **2 areas VIQS** (Variable Image Quality on Specified area) function can decrease network bandwidth.
- **Super Dynamic** and ABS (Adaptive Black Stretch) technologies deliver 128x wider dynamic range compared to conventional cameras.
- **Face Super Dynamic** Range technology ensures clear face image.
- 3x Extra optical zoom at 360p resolution. (Picture Mode : 2 Mega pixel [16:9])
- High sensitivity with Day & Night (Electrical) function: 0.5 lx (Color), 0.3 lx (B/W) at F1.3
- IP66 rated water and dust resistant. Compatible with IEC60529 measurement standard.
- Dehumidification device for use in various weather conditions
- Vandal resistant mechanism for high reliability
- Smart phone Monitoring
- ONVIF compliant model

Optional accessories



Super Dynamic HD Vandal Resistant Dome Network Camera **WV-SW335**

(12 V DC or PoE: NTSC, PAL)



- 720p HD images up to 30 fps
- Newly developed 1.3 Megapixel high sensitivity MOS Sensor
- High sensitivity: 0.3 lx (Color), 0.05 lx (B/W) at F1.6 (Wide) / 0.019 lx (Color), 0.003 lx (B/W) at F1.6 (Wide) with Sens Up 16x
- **Super Dynamic** 128x wider dynamic range
- **Face Super Dynamic** Range technology ensures clear face image.
- Up to 7.2x extra optical zoom at VGA resolution
- VIQS (Variable Image Quality on Specified area) technology allows the designated area to retain higher image quality while the excluded area will have a decreased image quality, which enables to use lower image file size and bit rate.
- Dehumidification device for use in various weather conditions
- Vandal resistant mechanism for high reliability
- Supports Power over Ethernet (PoE) IEEE 802.3af
- Smart phone Monitoring
- ONVIF compliant model

Optional accessories



Super Dynamic Full HD Vandal Resistant Dome Network Camera **WV-SW559**

(12 V DC or PoE: NTSC, PAL)



- 1080p Full HD images up to 30 fps and 360p image up to 30fps simultaneously.
- Super high resolution at Full HD/1,920 x 1,080 created by 3.1 Megapixel high sensitivity MOS Sensor.
- Combining enhanced "UniPhier®", Panasonic's proprietary System LSI platform and **2 areas VIQS** (Variable Image Quality on Specified area) function can decrease network bandwidth.
- **Super Dynamic** and ABS (Adaptive Black Stretch) technologies deliver 128x wider dynamic range compared to conventional cameras.
- **Face Super Dynamic** Range technology ensures clear face image.
- 3x Extra optical zoom at 360p resolution. (Picture Mode : 2 Mega pixel [16:9])
- High sensitivity with Day & Night (IR) function: 0.5 lx (Color), 0.06 lx (B/W) at F1.3
- IP66 rated water and dust resistant. Compatible with IEC60529 measurement standard.
- Dehumidification device for use in various weather conditions
- Vandal resistant mechanism for high reliability
- Smart phone Monitoring
- ONVIF compliant model

Optional accessories



360-degree Super Dynamic Vandal Resistant Dome Network Camera **WV-SW458**

(12 V DC or PoE: NTSC, PAL)



- 360° monitoring with a wide variety of transmission modes: Panorama, Double Panorama, Quad PTZ, Single PTZ, and Quad streams (H.264/ VGA)
- 1080p Full HD images up to 30 fps.
- Combining enhanced "UniPhier®", Panasonic's proprietary System LSI platform and **2 areas VIQS** (Variable Image Quality on Specified area) function can decrease network bandwidth.
- Multiple H.264 (High profile) streams and JPEG streams ensure simultaneous real time monitoring and high resolution recording by enhanced "UniPhier®".
- Smooth PTZ operation without mechanical action
- Built-in distortion correction function
- A fisheye lens control function realizes intelligible screen operation intuitively.
- **Super Dynamic** and ABS (Adaptive Black Stretch) technologies deliver 128x wider dynamic range compared to conventional cameras.
- High sensitivity with Day/Night (Electrical) function: 1.5 lx (Color), 1.2 lx (B/W) at F2.4
- IP66 rated water and dust resistant. Compatible with IEC60529 measurement standard.
- Vandal resistant mechanism for high reliability
- "Railway applications - Electronics equipment used on rolling stock" compatible with EN50155

Super Dynamic Vandal Resistant Dome Network Camera **WV-SW332**

(12 V DC or PoE: NTSC, PAL)



- Super high resolution at SVGA/800 x 600 created by newly developed 1.3 Megapixel high sensitivity MOS Sensor
- High sensitivity: 0.2 lx (Color), 0.04 lx (B/W) at F1.6 (Wide) / 0.013 lx (Color), 0.002 lx (B/W) at F1.6 (Wide) with Sens Up 16x
- **Super Dynamic** 128x wider dynamic range
- **Face Super Dynamic** Range technology ensures clear face image.
- Up to 7.2x extra optical zoom at VGA resolution
- VIQS (Variable Image Quality on Specified area) technology allows the designated area to retain higher image quality while the excluded area will have a decreased image quality, which enables to use lower image file size and bit rate.
- Dehumidification device for use in various weather conditions
- Vandal resistant mechanism for high reliability
- Supports Power over Ethernet (PoE) IEEE 802.3af
- Smart phone Monitoring
- ONVIF compliant model

Optional accessories



Fixed Dome Network Cameras

Super Dynamic
HD Vandal Resistant Dome Network Camera
WV-SW155
(PoE : NTSC, PAL)



- 720p HD images up to 30 fps
- 1.3 Megapixel high sensitivity MOS Sensor
- High resolution recording by "UniPhier®"
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- High sensitivity with Day & Night (Electrical) function: 0.8 lx (Color), 0.6 lx (B/W) at F2.2
- **Super Dynamic** and ABS (Adaptive Black Stretch) technologies deliver 128x wider dynamic range compared to conventional cameras.
- **Face Super Dynamic** technology ensures clear face image.
- 2x extra zoom at VGA resolution
- Supports Power over Ethernet IEEE 802.3af
- Vandal resistant mechanism for high reliability
- Low profile design for discrete installation
- "Railway applications – Electronics equipment used on rolling stock" compatible with EN50155
- Wide coverage (Horizontal: 104°, Vertical: 85°)
- IP66 rated water and dust resistant. Compatible with IEC60529 measurement standard.
- ONVIF compliant model

Optional accessory



Super Dynamic
Vandal Resistant Dome Network Camera
WV-SW152
(PoE : NTSC, PAL)



- Super high resolution at SVGA/800 x 600 created by 1.3 Megapixel high sensitivity MOS Sensor
- High resolution recording by "UniPhier®"
- Full frame (Up to 30 fps) transmission at SVGA (800 x 600) image size
- High sensitivity with Day & Night (Electrical) function: 0.6 lx (Color), 0.4 lx (B/W) at F2.2
- **Super Dynamic** and ABS (Adaptive Black Stretch) technologies deliver 128x wider dynamic range compared to conventional cameras.
- **Face Super Dynamic** technology ensures clear face image.
- 2x extra zoom at VGA resolution
- Supports Power over Ethernet IEEE 802.3af
- Vandal resistant mechanism for high reliability
- Low profile design for discrete installation
- "Railway applications – Electronics equipment used on rolling stock" compatible with EN50155
- Wide coverage (Horizontal: 104°, Vertical: 85°)
- IP66 rated water and dust resistant. Compatible with IEC60529 measurement standard.
- ONVIF compliant model

Optional accessory



Super Dynamic
Full HD Vandal Resistant Dome Network Camera
WV-SF549
(12 V DC or PoE:NTSC, PAL)



- 1080p Full HD images up to 30 fps and 360p image up to 30fps simultaneously.
- Super high resolution at Full HD/1,920 x 1,080 created by 3.1Megapixel high sensitivity MOS Sensor.
- Combining enhanced "UniPhier®", Panasonic's proprietary System LSI platform and **2 areas VIQS** (Variable Image Quality on Specified area) function can decrease network bandwidth.
- **Super Dynamic** and ABS (Adaptive Black Stretch) technologies deliver 128x wider dynamic range compared to conventional cameras.
- **Face Super Dynamic** technology ensures clear face image.
- 3x Extra optical zoom at 360p resolution. (Picture Mode : 2 Mega pixel [16:9])
- High sensitivity with Day & Night (IR) function: 0.5 lx (Color), 0.06 lx (B/W) at F1.3
- Vandal resistant mechanism for high reliability
- Smart phone Monitoring
- ONVIF compliant model

Optional accessory

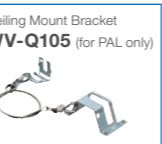


Super Dynamic
Full HD Vandal Resistant Dome Network Camera
WV-SF548
(12 V DC or PoE:NTSC, PAL)



- 1080p Full HD images up to 30 fps and 360p image up to 30fps simultaneously.
- Super high resolution at Full HD/1,920 x 1,080 created by 3.1Megapixel high sensitivity MOS Sensor.
- Combining enhanced "UniPhier®", Panasonic's proprietary System LSI platform and **2 areas VIQS** (Variable Image Quality on Specified area) function can decrease network bandwidth.
- **Super Dynamic** and ABS (Adaptive Black Stretch) technologies deliver 128x wider dynamic range compared to conventional cameras.
- **Face Super Dynamic** technology ensures clear face image.
- 3x Extra optical zoom at 360p resolution. (Picture Mode : 2 Mega pixel [16:9])
- High sensitivity with Day & Night (Electrical) function:0.5 lx (Color), 0.3 lx (B/W) at F1.3
- Vandal resistant mechanism for high reliability
- Smart phone Monitoring
- ONVIF compliant model

Optional accessory

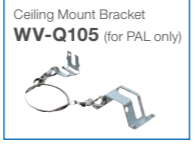


HD Vandal Resistant Dome Network Camera
WV-SF346
(12 V AC or PoE Plus: NTSC, PAL)



- 720p HD images up to 30 fps
- Progressive scan 1.3 Megapixel MOS Sensor
- High resolution recording by "UniPhier®"
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- High sensitivity: 0.3 lx (Color), 0.2 lx (B/W) at F1.3 (Wide) / 0.019 lx (Color), 0.013 lx (B/W) at F1.3 with Sens Up 16x
- Wide Dynamic Range and ABS (Adaptive Black Stretch) technologies deliver wider dynamic range compared with conventional cameras.
- **Face Super Dynamic** technology ensures clear face image.
- 2x extra zoom at VGA resolution
- Dual H.264 / MPEG-4 and JPEG simultaneous stream output
- Power over Ethernet (PoE) IEEE 802.3af
- ABF (Auto Back Focus) ensures easy installation and stable focus in both color and B/W modes.
- Smart phone Monitoring

Optional accessory



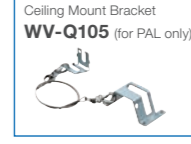
Fixed Dome Network Cameras

HD Vandal Resistant Dome Network Camera
WV-SF342
(12 V AC or PoE Plus: NTSC, PAL)



- Super high resolution at SVGA/800 x 600 created by newly developed 1.3 Megapixel high sensitivity MOS Sensor
- Full frame (Up to 30 fps) transmission at SVGA/800 x 600 image size
- High sensitivity: 0.2 lx (Color), 0.13 lx (B/W) at F1.3 (Wide) / 0.013 lx (Color), 0.009 lx (B/W) at F1.3 with Sens Up 16x
- 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.
- 2x extra zoom at VGA resolution
- Dual H.264 / MPEG-4 and JPEG simultaneous stream output
- Power over Ethernet (PoE) IEEE 802.3af
- Smart phone Monitoring

Optional accessory



Super Dynamic
Full HD Dome Network Camera
WV-SF539
(12V DC or PoE: NTSC, PAL)



- 1080p Full HD images up to 30 fps and 360p image up to 30fps simultaneously.
- Super high resolution at Full HD/1,920 x 1,080 created by 3.1 Megapixel high sensitivity MOS Sensor.
- Combining enhanced "UniPhier®", Panasonic's proprietary System LSI platform and **2 areas VIQS** (Variable Image Quality on Specified area) function can decrease network bandwidth.
- **Super Dynamic** and ABS (Adaptive Black Stretch) technologies deliver 128x wider dynamic range compared to conventional cameras.
- **Face Super Dynamic** technology ensures clear face image.
- 3x Extra optical zoom at 360p resolution. (Picture Mode : 2 Mega pixel [16:9])
- High sensitivity with Day & Night (IR) function:0.5 lx (Color), 0.06 lx (B/W) at F1.3
- Smart phone Monitoring
- ONVIF compliant model

Optional accessories



Super Dynamic
Full HD Dome Network Camera
WV-SF538
(12V DC or PoE: NTSC, PAL)



- 1080p Full HD images up to 30 fps and 360p image up to 30fps simultaneously.
- Super high resolution at Full HD/1,920 x 1,080 created by 3.1 Megapixel high sensitivity MOS Sensor.
- Combining enhanced "UniPhier®", Panasonic's proprietary System LSI platform and **2 areas VIQS** (Variable Image Quality on Specified area) function can decrease network bandwidth.
- **Super Dynamic** and ABS (Adaptive Black Stretch) technologies deliver 128x wider dynamic range compared to conventional cameras.
- **Face Super Dynamic** technology ensures clear face image.
- 3x Extra optical zoom at 360p resolution. (Picture Mode : 2 Mega pixel [16:9])
- High sensitivity with Day & Night (Electrical) function:0.5 lx (Color), 0.3 lx (B/W) at F1.3
- Smart phone Monitoring
- ONVIF compliant model

Optional accessories

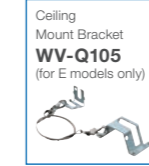


360-degree Super Dynamic Dome Network Camera
WV-SF438
(12V DC or PoE: NTSC, PAL)



- 360° monitoring with a wide variety of transmission modes: Panorama, Double Panorama, Quad PTZ, Single PTZ, and Quad streams (H.264/VGA)
- 1080p Full HD images up to 30 fps.
- Combining enhanced "UniPhier®", Panasonic's proprietary System LSI platform and **2 areas VIQS** (Variable Image Quality on Specified area) function can decrease network bandwidth.
- Multiple H.264 (High profile) streams and JPEG streams ensure simultaneous real time monitoring and high resolution recording by enhanced "UniPhier®"
- Smooth PTZ operation without mechanical action
- Built-in distortion correction function
- A fisheye lens control function realizes intelligible screen operation intuitively.
- **Super Dynamic** and ABS (Adaptive Black Stretch) technologies deliver 128x wider dynamic range compared to conventional cameras.
- High sensitivity with Day/Night (Electrical) function: 1.5 lx (Color), 1.2 lx (B/W) at F2.4

Optional accessory



HD Dome Network Camera
WV-SF336
(12V DC or PoE: NTSC, PAL)



- 720p HD images up to 30 fps
- Progressive scan 1.3 Megapixel MOS Sensor
- High resolution recording by "UniPhier®"
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- High sensitivity: 0.3 lx (Color), 0.2 lx (B/W) at F1.3 (Wide) / 0.019 lx (Color), 0.013 lx (B/W) at F1.3 with Sens Up 16x
- 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.
- 2x extra zoom at VGA resolution
- Dual H.264 / MPEG-4 and JPEG simultaneous stream output
- Power over Ethernet (PoE) IEEE 802.3af
- ABF (Auto Back Focus) ensures easy installation
- Smart phone Monitoring

Optional accessories



Fixed Dome Network Cameras

HD Dome Network Camera
WV-SF335
(12V DC or PoE: NTSC, PAL)



- 720p HD images up to 30 fps
- Progressive scan 1.3 Megapixel MOS Sensor
- High resolution recording by "UniPhier®"
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- High sensitivity: 0.3 lx (Color), 0.2 lx (B/W) at F1.3 (Wide) / 0.019 lx (Color), 0.013 lx (B/W) at F1.3 with Sens Up 16x
- 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.
- 2x extra zoom at VGA resolution
- Dual H.264 / MPEG-4 and JPEG simultaneous stream output
- Power over Ethernet (PoE) IEEE 802.3af
- Smart phone Monitoring



Optional accessories



Dome Network Camera
WV-SF332
(12V DC or PoE: NTSC, PAL)



- Progressive scan 1.3 Megapixel MOS Sensor
- High resolution recording by "UniPhier®"
- Up to 30 fps at SVGA/800 x 600 image size
- High sensitivity: 0.2 lx (Color), 0.13 lx (B/W) at F1.3 (Wide) / 0.013 lx (Color), 0.009 lx (B/W) at F1.3 with Sens Up 16x
- 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.
- 2x extra zoom at VGA resolution
- Dual H.264 / MPEG-4 and JPEG simultaneous stream output
- Power over Ethernet (PoE) IEEE 802.3af
- Smart phone Monitoring



Optional accessories



HD Dome Network Camera
WV-SF135
(PoE : NTSC, PAL)



- 720p HD images up to 30 fps
- 1.3 Megapixel high sensitivity MOS Sensor
- High resolution recording by "UniPhier®"
- High sensitivity with Day & Night (Electrical) function 0.8 lx (Color), 0.6 lx (B/W) at F2.2
- 2x extra zoom at VGA resolution
- Supports Power over Ethernet (PoE) IEEE 802.3af
- Low profile design for discrete installation
- Wide coverage (Horizontal: 104°, Vertical: 85°)
- ONVIF compliant model



Optional accessory



Dome Network Camera
WV-SF132
(PoE : NTSC, PAL)



- Progressive scan 320,000 Pixel MOS Sensor
- High resolution recording by "UniPhier®"
- High sensitivity with Day & Night (Electrical) function 2.0 lx (Color), 1.3 lx (B/W) at F2.9
- Supports Power over Ethernet (PoE) IEEE 802.3af
- Low profile design for discrete installation
- ONVIF compliant model



Optional accessory



Fixed Network Cameras

Super Dynamic Full HD Network Camera
WV-SP509
(12V DC or PoE: NTSC, PAL)



- Super high resolution at Full HD/1,920 x 1,080 created by 3.1Megapixel high sensitivity MOS Sensor.
- 1080p Full HD images up to 30 fps and 360p image up to 30fps simultaneously.
- Combining enhanced "UniPhier®", Panasonic's proprietary System LSI platform and **2 areas VIQS** (Variable Image Quality on Specified area) function can decrease network bandwidth.
- **Super Dynamic** and ABS (Adaptive Black Stretch) technologies deliver 128x wider dynamic range compared to conventional cameras.
- 3x Extra optical zoom at 360p resolution. (Picture Mode : 2 Mega pixel [16:9])
- High sensitivity with Day & Night (IR) function: 0.5 lx (Color), 0.06 lx (B/W) at F1.4
- ABF ensures stable focus in both color and B/W modes.
- Smart phone Monitoring
- ONVIF compliant model



Super Dynamic Full HD Network Camera
WV-SP508
(12V DC or PoE: NTSC, PAL)



- Super high resolution at Full HD/1,920 x 1,080 created by 3.1Megapixel high sensitivity MOS Sensor.
- 1080p Full HD images up to 30 fps and 360p image up to 30fps simultaneously.
- Combining enhanced "UniPhier®", Panasonic's proprietary System LSI platform and **2 areas VIQS** (Variable Image Quality on Specified area) function can decrease network bandwidth.
- **Super Dynamic** and ABS (Adaptive Black Stretch) technologies deliver 128x wider dynamic range compared to conventional cameras.
- 3x Extra optical zoom at 360p resolution. (Picture Mode : 2 Mega pixel [16:9])
- High sensitivity with Day & Night (Electrical) function: 0.5 lx (Color), 0.3 lx (B/W) at F1.4
- Smart phone Monitoring
- ONVIF compliant model



HD Network Camera
WV-SP306
(12 V DC or PoE: NTSC, PAL)



- 720p HD images up to 30 fps
- Progressive scan 1.3 Megapixel MOS Sensor
- Multiple H.264 (High Profile) streams by "UniPhier®"
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- High sensitivity: 0.3 lx (Color), 0.05 lx (B/W) at F1.4 / 0.019 lx (Color), 0.003 lx (B/W) at F1.4 with Sens Up 16x
- 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.
- 2x extra zoom at VGA resolution
- Dual H.264 / MPEG-4 and JPEG simultaneous stream output
- Power over Ethernet (PoE) IEEE 802.3af
- ABF (Auto Back Focus) ensures easy installation
- Smart phone Monitoring

HD Network Camera
WV-SP305
(12 V DC or PoE: NTSC, PAL)



- 720p HD images up to 30 fps
- Progressive scan 1.3 Megapixel MOS Sensor
- Multiple H.264 (High Profile) streams by "UniPhier®"
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- High sensitivity: 0.3 lx (Color), 0.2 lx (B/W) at F1.4 / 0.019 lx (Color), 0.013 lx (B/W) at F1.4 with Sens Up 16x
- 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.
- 2x extra zoom at VGA resolution
- Dual H.264 / MPEG-4 and JPEG simultaneous stream output
- Power over Ethernet (PoE) IEEE 802.3af
- Smart phone Monitoring

Network Camera
WV-SP302
(12 V DC or PoE: NTSC, PAL)



- Progressive scan 1.3 Megapixel MOS Sensor
- Multiple H.264 (High Profile) streams by "UniPhier®"
- Up to 30 fps at SVGA/800 x 600 image size
- High sensitivity: 0.2 lx (Color), 0.13 lx (B/W) at F1.4 / 0.013 lx (Color), 0.009 lx (B/W) at F1.4 with Sens Up 16x
- Wide Dynamic Range and ABS (Adaptive Black Stretch) technologies deliver wider dynamic range compared to conventional cameras.
- Face Wide Dynamic Range technology ensures clear face image.
- 2x extra zoom at VGA resolution
- Dual H.264 / MPEG-4 and JPEG simultaneous stream output
- Power over Ethernet (PoE) IEEE 802.3af
- Smart phone Monitoring

Fixed Network Cameras

Super Dynamic Weather Resistant HD Network Camera
WV-SW316L
(12 V DC or PoE:NTSC, PAL)



- 720p HD images up to 30 fps
- Newly developed 1.3 Megapixel high sensitivity MOS Sensor
- Multiple H.264 (High profile) streams by "UniPhier®"
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- **Face Super Dynamic** Range technology ensures clear face image.
- **Super Dynamic** and ABS (Adaptive Black Stretch) technologies deliver
- Up to 6.4x Extra Optical Zoom under VGA resolution.
- IR LED equipped: The equipped infrared LED makes it possible to take pictures at zero lx.
- Smart phone Monitoring
- ONVIF compliant model



Optional accessory

Super Dynamic Weather Resistant HD Network Camera
WV-SW316
(12 V DC or PoE:NTSC, PAL)



- 720p HD images up to 30 fps
- Newly developed 1.3 Megapixel high sensitivity MOS Sensor
- Multiple H.264 (High profile) streams by "UniPhier®"
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- **Face Super Dynamic** Range technology ensures clear face image.
- **Super Dynamic** and ABS (Adaptive Black Stretch) technologies deliver
- 128x wider dynamic range compared to conventional cameras.
- Up to 6.4x Extra Optical Zoom under VGA resolution
- Smart phone Monitoring
- ONVIF compliant model



Optional accessory

Super Dynamic Weather Resistant HD Network Camera
WV-SW314
(PoE:NTSC)



- 720p HD images up to 30 fps
- Newly developed 1.3 Megapixel high sensitivity MOS Sensor
- Multiple H.264 (High profile) streams by "UniPhier®"
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- **Face Super Dynamic** Range technology ensures clear face image.
- **Super Dynamic** and ABS (Adaptive Black Stretch) technologies deliver
- Up to 7.2x Extra Optical Zoom under VGA resolution.
- Smart phone Monitoring
- ONVIF compliant model



Optional accessory

HD Network Camera
WV-SP105
(12 V DC or PoE: NTSC, PAL)



- 720p HD images up to 30 fps
- Progressive scan 1.3 Megapixel MOS Sensor
- Multiple H.264 (High Profile) streams by "UniPhier®"
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- High sensitivity : 0.8 lx (Color), 0.4 lx (B/W) at F2.2/0.05 lx (Color), 0.03 lx (B/W) at F2.2 (Wide) with Sens Up 16x
- 2x extra zoom at VGA resolution
- Dual H.264 and JPEG simultaneous stream output
- Power over Ethernet (PoE) IEEE 802.3af
- Smart phone Monitoring



Network Camera
WV-SP102
(12 V DC or PoE: NTSC, PAL)



- Progressive scan 320,000 Pixel MOS Sensor
- Multiple H.264 (High Profile) streams by "UniPhier®"
- Full frame (Up to 30 fps) transmission at VGA (640 x 480) image size
- High sensitivity : 2.0 lx (Color), 1.3 lx (B/W) at F2.0/ 0.3 lx (Color), 0.16 lx (B/W) at F2.0 (Wide) with Sens Up 8x
- Dual H.264 and JPEG simultaneous stream output
- Power over Ethernet (PoE) IEEE 802.3af
- Smart phone Monitoring



Network Cameras

Outdoor Pan-tilt Network Camera
WV-SW175
(12V DC or PoE:NTSC, PAL)



- 720p HD images up to 30 fps
- 1.3 Megapixel high sensitivity MOS Sensor
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- 2x extra zoom at VGA resolution
- Pan-tilt and Preset Map Shot function realizes wide range monitoring. (Horizontal angle:180° Vertical angle 123°)
- IP55 rated water and dust resistant. Compatible with IEC60529
- Smart phone Monitoring
- ONVIF compliant model

Outdoor Pan-tilt Wireless Network Camera
WV-SW174W
(12V DC or PoE:NTSC, PAL)



- 720p HD images up to 30 fps
- 1.3 Megapixel high sensitivity MOS Sensor
- Multiple H.264 (High profile) streams by "UniPhier®"
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- Pan-tilt and Preset Map Shot function realizes wide range monitoring. (Horizontal angle:180° Vertical angle 123°)
- 2x extra zoom at VGA resolution
- Wireless LAN function (IEEE802.11 n/g/b)
- Smart phone Monitoring
- ONVIF compliant model

Outdoor Pan-tilt Network Camera
WV-SW172
(12V DC or PoE:NTSC, PAL)



- 1.3 Megapixel high sensitivity MOS Sensor
- Full frame (Up to 30 fps) transmission at SVGA (800 x 600) image size
- Pan-tilt and Preset Map Shot function realizes wide range monitoring. (Horizontal angle:180° Vertical angle 123°)
- 2x extra zoom at VGA resolution
- IP55 rated water and dust resistant. Compatible with IEC60529
- Smart phone Monitoring
- ONVIF compliant model

Pan-tilt Network Camera
WV-ST165
(12V DC or PoE:NTSC, PAL)



- 720p HD images up to 30 fps
- 1.3 Megapixel high sensitivity MOS Sensor
- Multiple H.264 (High profile) streams by "UniPhier®"
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- 2x extra zoom at VGA resolution
- Panning/tilting and Preset Map Shot function realizes wide range monitoring. (Horizontal angle:180° Vertical angle 123°)
- Smart phone Monitoring
- ONVIF compliant model

Pan-tilt Network Camera
WV-ST162
(12V DC or PoE:NTSC, PAL)



- 1.3 Megapixel high sensitivity MOS Sensor
- Multiple H.264 (High profile) streams by "UniPhier®"
- Full frame (Up to 30 fps) transmission at SVGA (800 x 600) image size
- 2x extra zoom at VGA resolution
- Panning/tilting and Preset Map Shot function realizes wide range monitoring. (Horizontal angle:180° Vertical angle 123°)
- Smart phone Monitoring
- ONVIF compliant model

Network Video Recorders

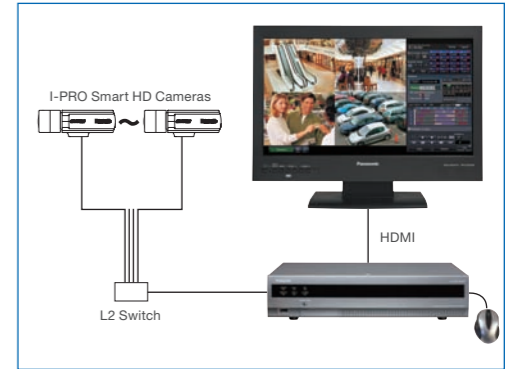
Network Disk Recorder
WJ-NV200
(120 V AC: NTSC, 220 V-240 V AC: PAL)



- H.264, MPEG-4 and JPEG multi format
- Up to 16 network cameras can be connected and recorded.
- Quick setup by automatic camera detection and simple setup wizard without the use of PC
- Simple mouse operation by new GUI without the use of PC
- Supports the Full HD output (HDMI)
- Real Time Face Matching function by matching registered face images with a face displayed on live images
- Onvif NVC (Network Video Client), core spec Ver.1.02 conformant

Network Disk Recorder with DVD drive (for NTSC only)
WJ-NV200V
(120V AC)

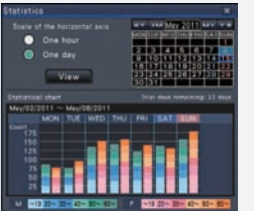
Easy Operation and Setup without PC



Additional Business Intelligence Kit **WJ-NVF20**



- New statistical processing functions such as "People counting" and "Face matching / Age & Gender judgment"
- The number of detected human faces can be displayed on a statistical chart separated by age & gender for a single day or a specified time period.
- Age distribution groups are displayed by separate colors
- The statistical data can be saved as a CSV file on a SDHC/SD memory card or on a PC connected over a network.
- *CSV file: A file that can be edited using a spreadsheet software such as Microsoft® Office Excel®



* To use this product, it is necessary to register the license (Registration Key) for Additional Business Intelligence Kit into the NV200 in use.

Network Disk Recorder
WJ-ND400
(120 V AC: NTSC, 220-240 V AC: PAL)



- 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

Optional accessory

Hard Disk Extension Unit
WJ-HDE400



Network Disk Recorder
WJ-ND300A
(120 V AC: NTSC, 220-240 V AC: PAL)



- 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

Optional accessories

RAID5 Board
WJ-NDB301



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



Network Video Encoder / Decoder

1 Ch H.264 Video Encoder **WJ-GXE100** (12 V DC or PoE: NTSC, PAL)



- Full frame H.264 transmission
- H.264 and JPEG triple encoding: A total of 3 outputs, comprising of 2 H.264 outputs and 1 JPEG output, can be provided
- Motion adaptive interface/progressive conversion allows every frame to be clear even when the subject is moving
- PoE. The power will be supplied by simply connecting a LAN cable. (IEEE802.3af compliant) 12 V DC power supply* is also available

* For UL listed model(s), only connect 12 V DC Class 2 power supply

Multi Channel High Definition Video Decoder **WJ-GXD400** (12 V DC, 100 V -240 V AC adaptor attached: NTSC, PAL)



- 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/s.
- 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.

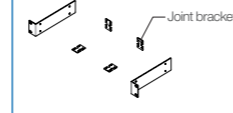
4 CH H.264 Video Encoder **WJ-GXE500** (12 V DC or PoE: NTSC, PAL)



- Up to 4 analog cameras can be connected.
- Panasonic Camera Control
- Full frame H.264 transmission for each 4 channels
- Dual H.264 / MPEG-4 and JPEG simultaneous stream output at VGA/D1 image size
- Face detection function detects the position of human face (CH1 only)
- Progressive Output
- Bi-directional audio (1CH)
- Power over Ethernet (PoE) IEEE 802.3af

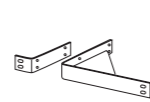
Optional accessory

EIA 48.26 cm (19 inch) Rack Mount Bracket
WV-Q204/2S
(for mounting three WJ-GXE500)

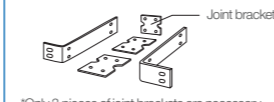


Optional accessories

EIA 48.26 cm (19 inch) Rack Mount Bracket
WV-Q204/1S
(for mounting one WJ-GXD400)



EIA 48.26 cm (19 inch) Rack Mount Bracket
WV-Q204/2S
(for mounting two WJ-GXD400)



*Only 3 pieces of joint brackets are necessary. One piece of joint bracket will be unnecessary.

Software

Network Camera Recorder with Viewer Software **BB-HNP17**



- H.264, MPEG-4 and JPEG recording
- Supports the recording and playback of H.264 cameras
- Supports resolutions of 1280 x 960
- Remote Access Function
- Up to 64 cameras Register
- Event Detection Recording
- Flexible Layout
- Preset Sequence
- Timer recording with preset designation
- Pop-up display
- Time specified color night view
- Free version for 16 cameras

Version 6 IP Matrix Server Software **WV-ASC970**

Version 6 IP Matrix Client Software **WV-ASM970**



(The pictures above are only for images.)

System Components

IP Matrix Server Software
WV-ASC970



(The picture above is only for image.)

IP Matrix Client Software
WV-ASM970



(The picture above is only for image.)

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



WV-ASC970

- Easy and smooth integration from analog to IP system
- Flexible system design: Analog, IP, and Hybrid analog/IP
- Up to 64 recorders, 1,024 monitors, 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-NV200 series, WJ-HD300 series, WJ-RT416 series, WJ-HD616/716 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, camera setup and PC performance).
- 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 mode).

i-PRO Management Software **WV-ASM200**

Extension Software **WV-ASE201 / ASE202 / ASE203**



(System Controller WV-CU950 and monitor displays are optional.)

Optional accessory

Ethernet System Controller with 3D-Joystick & Jog/Shuttle
WV-CU950
(WV-ASE201 is necessary.)



- Supports 16:9 video stream and 16:9 HD monitor. Displays 16:9 and 4:3 videos from IP cameras on the same screen.
- H.264 recording data in the SD/SDHC memory card can be downloaded.
- Convert file format from n3r (proprietary format) to MP4.
- 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 in the WV-ASM200 (the number of the cameras depends on the recorder and encoder).
- Up to 16x 30 ips/camera images can be displayed in H.264 1.5 Mbps mode

Network Converter

Coaxial-LAN Converter with PoE function **BY-HPE11KT**

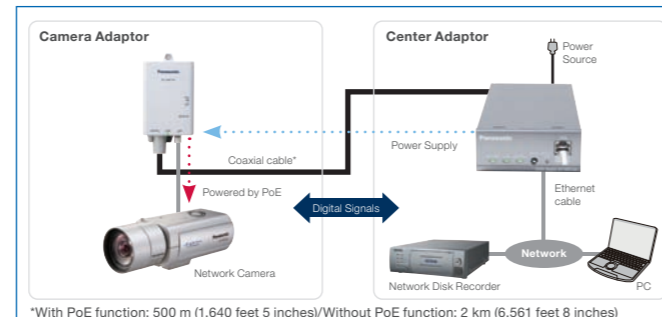


(Center Adaptor)

(Camera Adaptor)

- Easy migration from analog to IP system with existing coaxial cable
- Power over Ethernet (PoE) IEEE 802.3af
- Up to 500 m (1,640 feet 5 inches)*1 for PoE connections, and 2 km (6,561 feet 8 inches) for non-PoE connections. (When used with RG-6/U coaxial cable.)
- 35 Mbps or over for TCP*2, and 45 Mbps or over for UDP connections. (When used with RG-6/U coaxial cable, and for distances under 2 km [6,561 feet 8 inches].)
- No setup required
- *1 When connected to a Panasonic network camera. *2 Measured using Linux® FTP.

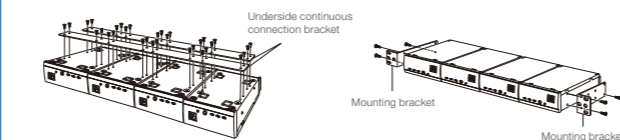
System Example



*With PoE function: 500 m (1,640 feet 5 inches)/Without PoE function: 2 km (6,561 feet 8 inches)

Optional accessory

Rack Mount Connecting Fitting
BY-HCA10
(for mounting three or four Center Adaptor)



ANALOG PRODUCTS



Dome Cameras

Super Dynamic 6
Weather Resistant Dome Camera
WV-CW590 Series
WV-CW590 (220 V ~ 240 V AC: PAL)
WV-CW594 (24 V AC: NTSC, PAL)



- High resolution: 650 TV lines
- High sensitivity: 0.5 lx (Color), 0.04 lx (B/W) at F1.4 (Wide)
- Super Dynamic 6 technology delivers 128x (NTSC) / 160x (PAL) wider dynamic range compared to conventional cameras.
- Standard auto tracking
- IP66 rated water and dust resistant
- 36x optical zoom lens with 20x digital zoom

Optional accessory

Wall Mount Bracket
WV-Q122
(for PAL only)



Super Dynamic 6
Day/Night Dome Camera
WV-CS580 Series
WV-CS580 (220 V ~ 240 V AC: PAL)
WV-CS584 (24 V AC: NTSC, PAL)



- High resolution: 650 TV lines
- High sensitivity: 0.5 lx (Color), 0.04 lx (B/W) at F1.4 (Wide)
- Super Dynamic 6 technology delivers 128x (NTSC) / 160x (PAL) wider dynamic range compared to conventional cameras.
- Standard auto tracking
- 36x optical zoom lens with 20x digital zoom

Optional accessories

Ceiling Mount Bracket
WV-Q105
(for PAL only)



Embedded Ceiling Mount Bracket
WV-Q126



Pendant Mount Bracket
WV-Q117



Wall Mount Bracket
WV-Q118A / WV-Q118



Smoke Dome Cover
WV-CS4S
(for PAL only)



Fixed Dome Cameras

Super Dynamic 5
Vandal Resistant Fixed Dome Camera
WV-CW500 Series
WV-CW500S (220 V ~ 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)



(Surface Mount Type)

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

Optional accessories

Mount Bracket for WV-CW504F
WV-Q115



Heater Unit
WV-CW5H



Embedded Ceiling Mount Bracket
WV-Q169



Smoke Dome Cover
WV-CW4S



Vandal Resistant Fixed Dome Camera
WV-CW334/CW364
WV-CW334S (24 V AC or 12 V DC: NTSC, PAL)
WV-CW364S (24 V AC or 12 V DC: NTSC, PAL)



- High resolution: 650 TV lines
- High sensitivity: 0.5 lx (Color), 0.04 lx (B/W) at F1.4 (Wide)
- Super Dynamic 6 technology delivers 128x (NTSC) / 160x (PAL) wider dynamic range compared to conventional cameras.
- Standard auto tracking
- 36x optical zoom lens with 20x digital zoom

Optional accessories

Heater Unit
WV-CW5H



Embedded Ceiling Mount Bracket
WV-Q169



Smoke Dome Cover
WV-CW4S



Fixed Dome Cameras

Super Dynamic 6
Day/Night Fixed Dome Camera
WV-CF600 Series
WV-CF624 (24 V AC or 12 V DC:NTSC)
WV-CF634 (24 V AC or 12 V DC:NTSC, PAL)



- Super Dynamic 6 technology delivers 128x(NTSC) / 160x(PAL) wider dynamic range compared to conventional cameras.
- High resolution: 650 TV lines
- High sensitivity with Day/Night function: 0.08 lx (Color), 0.008 lx (B/W) at F1.4. IR cut filter switches on/off to enhance the sensitivity in B/W mode. (WV-CF634,WV-CF624)
- ABS (Adaptive Black Stretch) enhances visibility of dark area without degrading image quality in bright area.
- ABF (Auto Back Focus) ensures easy installation. (WV-CF634)

Optional accessory



Super Dynamic 5 Fixed Dome Camera
WV-CF504
WV-CF504 (24 V AC or 12 V DC: NTSC, PAL)



Day/Night Fixed Dome Camera
WV-CF344/CF354
WV-CF344 (24 V AC or 12 V DC:NTSC,PAL)
WV-CF354 (24 V AC or 12 V DC:NTSC,PAL)



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

Optional accessories



- High resolution: 650 TV lines
- High sensitivity with Day/Night function: 0.08 lx (Color), 0.008 lx (B/W) at F1.4. IR cut filter switches on/off to enhance the sensitivity in B/W mode. (WV-CF374)
- High sensitivity with Day/Night (electrical) function: 0.08 lx (Color), 0.05 lx (B/W) at F1.4 (WV-CF344/WV-CF354)

Optional accessory



Fixed Cameras

Super Dynamic 6
Day/Night Fixed Camera
WV-CP600 Series
WV-CP620 (120 V AC 60Hz: NTSC, 220 V - 240 V AC: PAL)
WV-CP624 (24 V AC or 12 V DC: NTSC, PAL)



- Super Dynamic 6 technology delivers 128x (NTSC) / 160x (PAL) wider dynamic range compared to conventional cameras.
- High resolution: 650 TV lines
- High sensitivity with Day/Night function: 0.08 lx (Color), 0.008 lx (B/W) at F1.4. IR cut filter switches on/off to enhance the sensitivity in B/W mode. (WV-CP620/WV-CP624)

Optional accessories



Day/Night Camera
WV-CP300 Series
WV-CP300 (120 V AC: NTSC, 220 - 240 V AC: PAL)
WV-CP304 (24 V AC or 12V DC: NTSC, PAL)
WV-CP310 (120 V AC: NTSC, 220 - 240 V AC: PAL)
WV-CP314 (24 V AC or 12 V DC: NTSC, PAL)



- High resolution: 650 TV lines
- High sensitivity with Day/Night function: 0.08 lx (Color), 0.008 lx (B/W) at F1.4. IR cut filter switches on/off to enhance the sensitivity in B/W mode. (WV-CP310/WV-CP314)
- High sensitivity with Day/Night (electrical) function: 0.08 lx (Color), 0.05 lx (B/W) at F1.4 (WV-CP300/WV-CP304)

Optional accessories



High Sensitive Day/Night Camera
WV-CL930 Series
WV-CL930 (120 V AC: NTSC, 220 V -240 V AC: PAL)
WV-CL934 (24 V AC or 12 V DC: NTSC, PAL)
WV-CLR930 (220 V -240 V AC with RS-485 control IF: PAL)
WV-CLR934 (24 V AC or 12 V DC with RS-485 control IF: PAL)



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

Super Dynamic 5
Day/Night Camera
WV-CP500 Series
WV-CP500 (120 V AC: NTSC, 220 V -240 V AC: PAL)
WV-CP504 (24 V AC or 12 V DC: NTSC, PAL)



- High resolution: 650 TV lines typical (Color), 700 TV lines (B/W) (WV-CP500 Series)
- High resolution: 650 TV lines typical (WV-CP500L Series)
- High sensitivity: 0.1 lx (Color), 0.01 lx (B/W) at F1.4 / 0.003 lx (Color), 0.0003lx (B/W) at F1.4 with Sens Up 32x (WV-CP500 Series)
- High sensitivity: 0.1 lx (Color), 0.07 lx (B/W) at F1.4 / 0.003 lx (Color), 0.002lx (B/W) at F1.4 with Sens Up 32x (WV-CP500L Series)
- Super Dynamic 5 delivers Superior image by fusion of Super Dynamic, ABS (Adaptive Black Stretch) and i-VMD* (intelligent-Video Motion Detection) intelligence technology

Super Dynamic III
Weather Resistant Day/Night Camera
WV-CW380 Series
WV-CW380 (220 V -240 V AC: PAL)
WV-CW384 (24 V AC or 12 V DC: NTSC, PAL)



- High sensitivity: 0.65 lx (Color), 0.09 lx (B/W) at F1.6 / 0.065 lx (Color), 0.009 lx (B/W) at F1.6 with Sens Up 10x
- Super Dynamic III 128x (NTSC) / 160x (PAL) wider dynamic range
- ABF (Auto Back Focus) adjustment
- IP66 rated water and dust resistant
- Built-in heater function for varying temperature
- 5.0 mm ~ 40 mm, 8x varifocal lens with 2x digital zoom

Digital Video Recorders

16ch Real-time H.264 Digital Disk Recorder

WJ-HD716 (120 V AC: NTSC, 220 V -240 V AC: PAL)

16ch H.264 Digital Disk Recorder

WJ-HD616 (120 V AC: NTSC, 220 V -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 accessories

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

System Controllers

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

WV-CU950



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

WV-CU650



- For smooth operation of Ethernet/PS
- Data interfaced devices, WV-ASM200/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

- 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

Matrix Switching System

512 Inputs Matrix Switching System

System650EX with WV-ASC970



(The picture above is only for image.)

256 Inputs Matrix Switching System


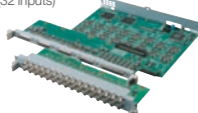
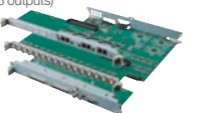




System650



- 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

- 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)

System650EX/System650 System Components

Matrix Switcher WJ-SX650 	Matrix Switcher WJ-SX650U 	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) 
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 (Version 6) (for System650EX only)  (The picture above is only for image.)	IP Matrix Client Software WV-ASM970 (Version 6)  (The picture above is only for image.)	

LENS SELECTION CHART



Lenses

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

Cameras / Lenses Combination Chart

Type of Lens	Model No	Focal Length	1/3 type CCD Cameras		1/2 type CCD Cameras
			WV-SP509 / WV-SP508 / WV-SP306 / WV-SP305 / WV-SP302 / WV-NP502	WV-CP300 / WV-CP500 / WV-CP500L / WV-CP600 Series	WV-CL930
1/3 type ALC Variable Focal	WV-LZA61/2S	3.8 mm ~ 8 mm	NO	YES	NO
	WV-LZ62/8S	5 mm ~ 40 mm	NO	YES	NO

Lens Selection Chart

The examples displayed below are monitor images captured with 1/3 type 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 Type Lens	2x Variable Focal WV-LZA61/2S (3.8 mm ~ 8 mm)	 Ratio 84% 2.5(W) m x 1.9(H) m	 Ratio 42% 5.1(W) m x 3.8(H) m	 Ratio 28% 7.6(W) m x 5.7(H) m	 Ratio 21% 10.1(W) m x 7.6(H) m	 Ratio 17% 12.6(W) m x 9.5(H) m
	8 mm (Standard)	 Ratio 178% 1.2(W) m x 0.9(H) m	 Ratio 89% 2.4(W) m x 1.8(H) m	 Ratio 59% 3.6(W) m x 2.7(H) m	 Ratio 44% 4.8(W) m x 3.6(H) m	 Ratio 36% 6.0(W) m x 4.5(H) m
1/3 Type Lens	8x Variable Focal WV-LZ62/8S (5 mm ~ 40 mm)	 Ratio 111% 1.9(W) m x 1.4(H) m	 Ratio 56% 3.8(W) m x 2.9(H) m	 Ratio 37% 5.8(W) m x 4.3(H) m	 Ratio 28% 7.7(W) m x 5.8(H) m	 Ratio 22% 9.6(W) m x 7.2(H) m
	40 mm (Tele)	 Ratio 889% 0.24(W) m x 0.18(H) m	 Ratio 444% 0.48(W) m x 0.36(H) m	 Ratio 296% 0.72(W) m x 0.54(H) m	 Ratio 222% 0.96(W) m x 0.72(H) m	 Ratio 178% 1.2(W) m x 0.9(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.

Accessories Chart

	BL LINE					BB LINE			
	BL-C101E	BL-C121CE	BL-C140A	BL-C160A	BL-C210CE-BX	BL-C230CE	BB-HCM527A	BB-HCM701A	BB-HCM715CE
WJ-NDB301P	-	-	-	-	-	-	-	-	-
WJ-HDE300P	-	-	-	-	-	-	-	-	-
WJ-HDE400P	-	-	-	-	-	-	-	-	-
WJ-HDU40KP	-	-	-	-	-	-	-	-	-
WJ-GXE500P	-	-	-	-	-	-	-	-	-
WV-CU650P	-	-	-	-	-	-	-	-	-
WV-CU950P	-	-	-	-	-	-	-	-	-
BB-HCA11CE	-	-	-	-	-	-	-	-	-
BY-HPE11KTA	-	-	-	-	-	-	-	-	-
POD9CA	-	-	-	-	-	-	-	-	-
POD9CWA	-	-	-	-	-	-	-	-	-
PODV9CWT	-	-	-	-	-	-	-	-	-
PODV9CWTA	-	-	-	-	-	-	-	-	-
POSM5V ¹	-	-	-	-	-	-	-	-	-
PMSM5V ²	-	-	-	-	-	-	-	-	-
PPMF12D ³	-	-	-	-	-	-	-	-	-
PWM20GS	-	-	-	-	-	-	-	-	-
RCPOD9T ⁵	-	-	-	-	-	-	-	-	-
RCPOD9 ⁶	-	-	-	-	-	-	-	-	-
POH1000	-	-	-	-	-	-	-	-	-
PSS10 ⁷	-	-	-	-	-	-	-	-	-
POH1500HB	-	-	-	-	-	-	-	-	-
WV-Q122	-	-	-	-	-	-	-	-	-
WV-Q105	-	-	-	-	-	-	-	-	-
WV-Q157	-	-	-	-	-	-	-	-	-
WV-Q154C	-	-	-	-	-	-	-	-	-
WV-Q154S	-	-	-	-	-	-	-	-	-
WV-Q155C	-	-	-	-	-	-	-	-	-
WV-Q155S	-	-	-	-	-	-	-	-	-
WV-Q156C	-	-	-	-	-	-	-	-	-
WV-Q156S	-	-	-	-	-	-	-	-	-
WV-Q116	-	-	-	-	-	-	-	-	-
WV-Q117	-	-	-	-	-	-	-	-	-
WV-Q118	-	-	-	-	-	-	-	-	-
WV-CS3S	-	-	-	-	-	-	-	-	-
WV-Q168	-	-	-	-	-	-	-	-	-
WV-CS5S	-	-	-	-	-	-	-	-	-
WV-Q169	-	-	-	-	-	-	-	-	-
WV-CW4S	-	-	-	-	-	-	-	-	-
BB-HCA11	-	-	-	-	-	-	-	YES	-
WV-Q204/2S	-	-	-	-	-	-	-	-	-
WV-Q204/1S	-	-	-	-	-	-	-	-	-
WV-LZ62/8SP	-	-	-	-	-	-	-	-	-
WV-LZ61/15P	-	-	-	-	-	-	-	-	-
YV2.7X2.9LR4D-SA2L	-	-	-	-	-	-	-	-	-
YV5X2.7R4B-SA2L	-	-	-	-	-	-	-	-	-
YV10X5HR4A-SA2L	-	-	-	-	-	-	-	-	-
YV2.7X2.2SA-SA2	-	-	-	-	-	-	-	-	-
YV2.8X2.8SA-SA2	-	-	-	-	-	-	-	-	-
YV4.3X2.8SA-SA2	-	-	-	-	-	-	-	-	-
YV3.3X15SA-SA2	-	-	-	-	-	-	-	-	-
Y12x6A-SE2	-	-	-	-	-	-	-	-	-
Y12x6A-YE2 POTS	-	-	-	-	-	-	-	-	-
WV-ASE201P	-	-	-	-	-	-	-	-	-
WV-ASE202P	-	-	-	-	-	-	-	-	-
WV-ASE203P	-	-	-	-	-	-	-	-	-
WV-ASE204P	-	-	-	-	-	-	-	-	-

* It is necessary to purchase the Software WJ-ASM200 and its complement WJ-ASE201.
 1 and 2 - These items must be sold together, one is the complement of the other, they only work together.
 3 - This item is specific to the box POD9CA
 4 - To use this support to the internal PTZ Dome cameras is necessary to use protection box POSM5V and the sunshade PMSM5V
 5 - It is only used for boxes POD9CWA and POD9CA
 6 - It is only used for boxes POD9CWA and POD9CA
 7- It is only used in conjunction with box POH1000

Accessories Chart

	WV LINE								
	WV-NF302P	WV-NW502SP	WV-SC384P	WV-SC385P	WV-SC386P	WV-SW395P	WV-SW396P	WV-SF132P	WV-SF135P
WJ-NDB301P	-	-	-	-	-	-	-	-	-
WJ-HDE300P	-	-	-	-	-	-	-	-	-
WJ-HDE400P	-	-	-	-	-	-	-	-	-
WJ-HDU40KP	-	-	-	-	-	-	-	-	-
WJ-GXE500P	-	-	-	-	-	-	-	-	-
WV-CU650P	-	-	-	-	-	-	-	-	-
WV-CU950P	YES*	YES*	YES*	YES*	YES*	YES*	YES*	YES*	YES*
BB-HCA11CE	-	-	-	-	-	-	-	-	-
BY-HPE11KTA	YES	YES	YES	YES	YES	YES	YES	YES	YES
POD9CA	-	-	-	-	-	-	-	-	-
POD9CWA	-	-	-	-	-	-	-	-	-
PODV9CWT	-	-	-	-	-	-	-	-	-
PODV9CWTA	-	-	-	-	-	-	-	-	-
POSM5V ¹	-	-	YES	YES	-	-	-	-	-
PMSM5V ²	-	-	YES	YES	-	-	-	-	-
PPMF12D ³	-	-	YES	YES	-	-	-	-	-
PWM20GS	-	-	YES ⁴	YES ⁴	-	YES	YES	-	-
RCPOD9T ⁵	-	-	-	-	-	-	-	YES	YES
RCPOD9 ⁶	-	-	-	-	-	-	-	-	-
POH1000	-	-	-	-	-	-	-	-	-
PSS10 ⁷	-	-	-	-	-	-	-	-	-
POH1500HB	-	-	-	-	-	-	-	-	-
WV-Q122	-	-	YES ⁴	YES ⁴	-	YES	YES	-	-
WV-Q105	-	-	YES	YES	YES	-	-	-	-
WV-Q157	-	-	YES	YES	-	-	-	-	-
WV-Q154C	-	-	YES	YES	-	-	-	-	-
WV-Q154S	-	-	YES	YES	-	-	-	-	-
WV-Q155C	-	-	YES	YES	-	-	-	-	-
WV-Q155S	-	-	YES	YES	-	-	-	-	-
WV-Q156C	-	-	YES	YES	-	-	-	-	-
WV-Q156S	-	-	YES	YES	-	-	-	-	-
WV-Q116	-	-	-	-	YES	-	-	-	-
WV-Q117	-	-	-	-	YES	-	-	-	-
WV-Q118	-	-	-	-	YES	-	-	-	-
WV-CS3S	-	-	-	-	YES	-	-	-	-
WV-Q168	-	-	-	-	-	-	-	YES	YES
WV-CS5S	-	-	-	-	-	-	-	YES	YES
WV-Q169	-	YES	-	-	-	-	-	-	-
WV-CW4S	-	YES	-	-	-	-	-	-	-
BB-HCA11	-	-	-	-	-	-	-	-	-
WV-Q204/2S	-	-	-	-	-	-	-	-	-
WV-Q204/1S	-	-	-	-	-	-	-	-	-
WV-LZ62/8SP	-	-	-	-	-	-	-	-	-
WV-LZ61/15P	-	-	-	-	-	-	-	-	-
YV2.7X2.9LR4D-SA2L	-	-	-	-	-	-	-	-	-
YV5X2.7R4B-SA2L	-	-	-	-	-	-	-	-	-
YV10X5HR4A-SA2L	-	-	-	-	-	-	-	-	-
YV2.7X2.2SA-SA2	-	-	-	-	-	-	-	-	-
YV2.8X2.8SA-SA2	-	-	-	-	-	-	-	-	-
YV4.3X2.8SA-SA2	-	-	-	-	-	-	-	-	-
YV3.3X15SA-SA2	-	-	-	-	-	-	-	-	-
Y12x6A-SE2	-	-	-	-	-	-	-	-	-
Y12x6A-YE2 POTS	-	-	-	-	-	-	-	-	-
WV-ASE201P	-	-	-	-	-	-	-	-	-
WV-ASE202P	-	-	-	-	-	-	-	-	-
WV-ASE203P	-	-	-	-	-	-	-	-	-
WV-ASE204P	-	-	-	-	-	-	-	-	-

* It is necessary to purchase the Software WJ-ASM200 and its complement WJ-ASE201.
 1 and 2 - These items must be sold together, one is the complement of the other, they only work together.
 3 - This item is specific to the box POD9CA
 4 - To use this support to the internal PTZ Dome cameras is necessary to use protection box POSM5V and the sunshade PMSM5V
 5 - It is only used for boxes POD9CWA and POD9CA
 6 - It is only used for boxes POD9CWA and POD9CA
 7- It is only used in conjunction with box POH1000

Accessories Chart

	WV LINE								
	WV-SF332P	WV-SF335P	WV-SF336P	WV-SF342P	WV-SF346P	WV-SF538P	WV-SF539P	WV-SF548P	WV-SF549P
WJ-NDB301P	-	-	-	-	-	-	-	-	-
WJ-HDE300P	-	-	-	-	-	-	-	-	-
WJ-HDE400P	-	-	-	-	-	-	-	-	-
WJ-HDU40KP	-	-	-	-	-	-	-	-	-
WJ-GXE500P	-	-	-	-	-	-	-	-	-
WV-CU650P	-	-	-	-	-	-	-	-	-
WV-CU950P	YES*	YES*	YES*	YES*	YES*	YES*	YES*	YES*	YES*
BB-HCA11CE	-	-	-	-	-	-	-	-	-
BY-HPE11KTA	YES	YES	YES	YES	YES	YES	YES	YES	YES
POD9CA	-	-	-	-	-	-	-	-	-
POD9CWA	-	-	-	-	-	-	-	-	-
PODV9CWT	-	-	-	-	-	-	-	-	-
PODV9CWTA	-	-	-	-	-	-	-	-	-
POSM5V ¹	-	-	-	-	-	-	-	-	-
PMSM5V ²	-	-	-	-	-	-	-	-	-
PPMF12D ³	-	-	-	-	-	-	-	-	-
PWM20GS	-	-	-	-	-	-	-	-	-
RCPOD9T ⁵	YES	YES	YES	YES	YES	YES	YES	YES	YES
RCPOD9 ⁶	-	-	-	-	-	-	-	-	-
POH1000	-	-	-	-	-	-	-	-	-
PSS10 ⁷	-	-	-	-	-	-	-	-	-
POH1500HB	-	-	-	-	-	-	-	-	-
WV-Q122	-	-	-	-	-	-	-	-	-
WV-Q105	-	-	-	-	-	-	-	-	-
WV-Q157	-	-	-	-	-	-	-	-	-
WV-Q154C	-	-	-	-	-	-	-	-	-
WV-Q154S	-	-	-	-	-	-	-	-	-
WV-Q155C	-	-	-	-	-	-	-	-	-
WV-Q155S	-	-	-	-	-	-	-	-	-
WV-Q156C	-	-	-	-	-	-	-	-	-
WV-Q156S	-	-	-	-	-	-	-	-	-
WV-Q116	-	-	-	-	-	-	-	-	-
WV-Q117	-	-	-	-	-	-	-	-	-
WV-Q118	-	-	-	-	-	-	-	-	-
WV-CS3S	-	-	-	-	-	-	-	-	-
WV-Q168	YES	YES	YES	YES	YES	YES	YES	YES	YES
WV-CS5S	YES	YES	YES	YES	YES	YES	YES	YES	YES
WV-Q169	-	-	-	-	-	-	-	-	-
WV-CW4S	-	-	-	-	-	-	-	-	-
BB-HCA11	-	-	-	-	-	-	-	-	-
WV-Q204/2S	-	-	-	-	-	-	-	-	-
WV-Q204/1S	-	-	-	-	-	-	-	-	-
WV-LZ62/8SP	-	-	-	-	-	-	-	-	-
WV-LZ61/15P	-	-	-	-	-	-	-	-	-
YV2.7X2.9LR4D-SA2L	-	-	-	-	-	-	-	-	-
YV5X2.7R4B-SA2L	-	-	-	-	-	-	-	-	-
YV10X5HR4A-SA2L	-	-	-	-	-	-	-	-	-
YV2.7X2.2SA-SA2	-	-	-	-	-	-	-	-	-
YV2.8X2.8SA-SA2	-	-	-	-	-	-	-	-	-
YV4.3X2.8SA-SA2	-	-	-	-	-	-	-	-	-
YV3.3X15SA-SA2	-	-	-	-	-	-	-	-	-
Y12x6A-SE2	-	-	-	-	-	-	-	-	-
Y12x6A-YE2 POTS	-	-	-	-	-	-	-	-	-
WV-ASE201P	-	-	-	-	-	-	-	-	-
WV-ASE202P	-	-	-	-	-	-	-	-	-
WV-ASE203P	-	-	-	-	-	-	-	-	-
WV-ASE204P	-	-	-	-	-	-	-	-	-

* It is necessary to purchase the Software WJ-ASM200 and its complement WJ-ASE201.
 1 and 2 - These items must be sold together, one is the complement of the other, they only work together.
 3 - This item is specific to the box POD9CA
 4 - To use this support to the internal PTZ Dome cameras is necessary to use protection box POSM5V and the sunshade PMSM5V
 5 - It is only used for boxes POD9CWA and POD9CA
 6 - It is only used for boxes POD9CWA and POD9CA
 7- It is only used in conjunction with box POH1000

Accessories Chart

	WV LINE								
	WV-SP102P	WV-SP105P	WV-SP302P	WV-SP305P	WV-SP306P	WV-SP508P	WV-SP509P	WV-ST162P	WV-ST165P
WJ-NDB301P	-	-	-	-	-	-	-	-	-
WJ-HDE300P	-	-	-	-	-	-	-	-	-
WJ-HDE400P	-	-	-	-	-	-	-	-	-
WJ-HDU40KP	-	-	-	-	-	-	-	-	-
WJ-GXE500P	-	-	-	-	-	-	-	-	-
WV-CU650P	-	-	-	-	-	-	-	-	-
WV-CU950P	YES*	YES*	YES*	YES*	YES*	YES*	YES*	YES*	YES*
BB-HCA11CE	-	-	-	-	-	-	-	-	-
BY-HPE11KTA	YES	YES	YES	YES	YES	YES	YES	YES	YES
POD9CA	-	-	-	-	-	-	-	-	-
POD9CWA	-	-	-	-	-	-	-	-	-
PODV9CWT	-	-	-	-	-	-	-	-	-
PODV9CWTA	-	-	-	-	-	-	-	-	-
POSM5V ¹	-	-	-	-	-	-	-	-	-
PMSM5V ²	-	-	-	-	-	-	-	-	-
PPMF12D ³	-	-	-	-	-	-	-	-	-
PWM20GS	-	-	-	-	-	-	-	-	-
RCPOD9T ⁵	-	-	-	-	-	-	-	-	-
RCPOD9 ⁶	-	-	-	-	-	-	-	-	-
POH1000	YES	YES	YES	YES	YES	YES	YES	-	-
PSS10 ⁷	YES	YES	YES	YES	YES	YES	YES	-	-
POH1500HB	YES	YES	YES	YES	YES	YES	YES	-	-
WV-Q122	-	-	-	-	-	-	-	-	-
WV-Q105	-	-	-	-	-	-	-	-	-
WV-Q157	-	-	-	-	-	-	-	-	-
WV-Q154C	-	-	-	-	-	-	-	-	-
WV-Q154S	-	-	-	-	-	-	-	-	-
WV-Q155C	-	-	-	-	-	-	-	-	-
WV-Q155S	-	-	-	-	-	-	-	-	-
WV-Q156C	-	-	-	-	-	-	-	-	-
WV-Q156S	-	-	-	-	-	-	-	-	-
WV-Q116	-	-	-	-	-	-	-	-	-
WV-Q117	-	-	-	-	-	-	-	-	-
WV-Q118	-	-	-	-	-	-	-	-	-
WV-CS3S	-	-	-	-	-	-	-	-	-
WV-Q168	-	-	-	-	-	-	-	-	-
WV-CS5S	-	-	-	-	-	-	-	-	-
WV-Q169	-	-	-	-	-	-	-	-	-
WV-CW4S	-	-	-	-	-	-	-	-	-
BB-HCA11	-	-	-	-	-	-	-	-	-
WV-Q204/2S	-	-	-	-	-	-	-	-	-
WV-Q204/1S	-	-	-	-	-	-	-	-	-
WV-LZ62/8SP	-	-	YES	-	-	-	-	-	-
WV-LZ61/15P	-	-	YES	-	-	-	-	-	-
YV2.7X2.9LR4D-SA2L	-	-	YES	-	-	-	-	-	-
YV5X2.7R4B-SA2L	-	-	YES	-	-	-	-	-	-
YV10X5HR4A-SA2L	-	-	YES	YES	YES	YES	YES	-	-
YV2.7X2.2SA-SA2	-	-	YES	YES	YES	YES	YES	-	-
YV2.8X2.8SA-SA2	-	-	YES	YES	YES	YES	YES	-	-
YV4.3X2.8SA-SA2	-	-	YES	YES	YES	YES	YES	-	-
YV3.3X15SA-SA2	-	-	YES	YES	YES	YES	YES	-	-
Y12x6A-SE2	-	-	YES	YES	YES	YES	YES	-	-
Y12x6A-YE2 POTS	-	-	YES	YES	YES	YES	YES	-	-
WV-ASE201P	-	-	-	-	-	-	-	-	-
WV-ASE202P	-	-	-	-	-	-	-	-	-
WV-ASE203P	-	-	-	-	-	-	-	-	-
WV-ASE204P	-	-	-	-	-	-	-	-	-

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 5 - It is only used for boxes POD9CWA and POD9CA
 6 - It is only used for boxes POD9CWA and POD9CA
 7- It is only used in conjunction with box POH1000

Accessories Chart

	WV LINE								
	WV-SW152P	WV-SW155P	WV-SW172P	WV-SW175P	WV-SW314P	WV-SW316P	WV-SW316LP	WV-SW352P	WV-SW355P
WJ-NDB301P	-	-	-	-	-	-	-	-	-
WJ-HDE300P	-	-	-	-	-	-	-	-	-
WJ-HDE400P	-	-	-	-	-	-	-	-	-
WJ-HDU40KP	-	-	-	-	-	-	-	-	-
WJ-GXE500P	-	-	-	-	-	-	-	-	-
WV-CU650P	-	-	-	-	-	-	-	-	-
WV-CU950P	YES*	YES*	YES*	YES*	YES*	YES*	YES*	YES*	YES*
BB-HCA11CE	-	-	-	-	-	-	-	-	-
BY-HPE11KTA	YES	YES	YES	YES	YES	YES	YES	YES	YES
POD9CA	-	-	-	-	-	-	-	-	-
POD9CWA	-	-	-	-	-	-	-	-	-
PODV9CWT	-	-	-	-	-	-	-	-	-
PODV9CWTA	-	-	-	-	-	-	-	-	-
POSM5V ¹	-	-	-	-	-	-	-	-	-
PMSM5V ²	-	-	-	-	-	-	-	-	-
PPMF12D ³	-	-	-	-	-	-	-	-	-
PWM20GS	-	-	-	-	-	-	-	-	-
RCPOD9T ⁵	-	-	-	-	-	-	-	-	-
RCPOD9 ⁶	-	-	-	-	-	-	-	-	-
POH1000	-	-	-	-	-	-	-	-	-
PSS10 ⁷	-	-	-	-	-	-	-	-	-
POH1500HB	-	-	-	-	-	-	-	-	-
WV-Q122	-	-	-	-	-	-	-	-	-
WV-Q105	-	-	-	-	-	-	-	-	-
WV-Q157	-	-	-	-	-	-	-	-	-
WV-Q154C	-	-	-	-	-	-	-	-	-
WV-Q154S	-	-	-	-	-	-	-	-	-
WV-Q155C	-	-	-	-	-	-	-	-	-
WV-Q155S	-	-	-	-	-	-	-	-	-
WV-Q156C	-	-	-	-	-	-	-	-	-
WV-Q156S	-	-	-	-	-	-	-	-	-
WV-Q116	-	-	-	-	-	-	-	-	-
WV-Q117	-	-	-	-	-	-	-	-	-
WV-Q118	-	-	-	-	-	-	-	-	-
WV-CS3S	-	-	-	-	-	-	-	-	-
WV-Q168	-	-	-	-	-	-	-	-	-
WV-CS5S	-	-	-	-	-	-	-	-	-
WV-Q169	-	-	-	-	-	-	-	YES	YES
WV-CW4S	-	-	-	-	-	-	-	YES	YES
BB-HCA11	-	-	-	-	-	-	-	-	-
WV-Q204/2S	-	-	-	-	-	-	-	-	-
WV-Q204/1S	-	-	-	-	-	-	-	-	-
WV-LZ62/8SP	-	-	-	-	-	-	-	-	-
WV-LZ61/15P	-	-	-	-	-	-	-	-	-
YV2.7X2.9LR4D-SA2L	-	-	-	-	-	-	-	-	-
YV5X2.7R4B-SA2L	-	-	-	-	-	-	-	-	-
YV10X5HR4A-SA2L	-	-	-	-	-	-	-	-	-
YV2.7X2.2SA-SA2	-	-	-	-	-	-	-	-	-
YV2.8X2.8SA-SA2	-	-	-	-	-	-	-	-	-
YV4.3X2.8SA-SA2	-	-	-	-	-	-	-	-	-
YV3.3X15SA-SA2	-	-	-	-	-	-	-	-	-
Y12x6A-SE2	-	-	-	-	-	-	-	-	-
Y12x6A-YE2 POTS	-	-	-	-	-	-	-	-	-
WV-ASE201P	-	-	-	-	-	-	-	-	-
WV-ASE202P	-	-	-	-	-	-	-	-	-
WV-ASE203P	-	-	-	-	-	-	-	-	-
WV-ASE204P	-	-	-	-	-	-	-	-	-

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 5 - It is only used for boxes POD9CWA and POD9CA
 6 - It is only used for boxes POD9CWA and POD9CA
 7- It is only used in conjunction with box POH1000

Accessories Chart

	WV LINE					ANALOGIC WV LINE				
	WV-SW558P	WV-SW559P	WV-NP304P	WV-NP502P	WV-NS954P	WV-BP144P4	WV-BP334P	WV-CF284P	WV-CF324P	WV-CF344P
WJ-NDB301P	-	-	-	-	-	-	-	-	-	-
WJ-HDE300P	-	-	-	-	-	-	-	-	-	-
WJ-HDE400P	-	-	-	-	-	-	-	-	-	-
WJ-HDU40KP	-	-	-	-	-	-	-	-	-	-
WJ-GXE500P	-	-	-	-	-	YES	YES	YES	YES	YES
WV-CU650P	-	-	-	-	-	-	-	-	-	-
WV-CU950P	YES*	YES*	YES*	YES*	YES*	-	-	-	-	-
BB-HCA11CE	-	-	-	-	-	-	-	-	-	-
BY-HPE11KTA	YES	YES	YES	YES	YES	-	-	-	-	-
POD9CA	-	-	-	-	YES	-	-	-	-	-
POD9CWA	-	-	-	-	YES	-	-	-	-	-
PODV9CWT	-	-	-	-	YES	-	-	-	-	-
PODV9CWTA	-	-	-	-	YES	-	-	-	-	-
POSM5V ¹	-	-	-	-	-	-	-	-	-	-
PMSM5V ²	-	-	-	-	-	-	-	-	-	-
PPMF12D ³	-	-	-	-	YES	-	-	-	-	-
PWM20GS	-	-	-	-	YES ⁴	-	-	-	-	-
RCPOD9T ⁵	-	-	-	-	YES	-	-	-	-	-
RCPOD9 ⁶	-	-	-	-	YES	-	-	-	-	-
POH1000	-	-	YES	YES	-	-	-	-	-	-
PSS10 ⁷	-	-	YES	YES	-	-	-	-	-	-
POH1500HB	-	-	YES	YES	-	-	-	-	-	-
WV-Q122	-	-	-	-	YES ⁴	-	-	-	-	-
WV-Q105	-	-	-	-	-	-	-	-	-	-
WV-Q157	-	-	-	-	-	-	-	-	-	-
WV-Q154C	-	-	-	-	-	-	-	-	-	-
WV-Q154S	-	-	-	-	-	-	-	-	-	-
WV-Q155C	-	-	-	-	-	-	-	-	-	-
WV-Q155S	-	-	-	-	-	-	-	-	-	-
WV-Q156C	-	-	-	-	-	-	-	-	-	-
WV-Q156S	-	-	-	-	-	-	-	-	-	-
WV-Q116	-	-	-	-	-	-	-	-	-	-
WV-Q117	-	-	-	-	-	-	-	-	-	-
WV-Q118	-	-	-	-	-	-	-	-	-	-
WV-CS3S	-	-	-	-	-	-	-	-	-	-
WV-Q168	-	-	-	-	-	-	-	YES	YES	YES
WV-CS5S	-	-	-	-	-	-	-	YES	YES	YES
WV-Q169	YES	YES	-	-	-	-	-	-	-	-
WV-CW4S	YES	YES	-	-	-	-	-	-	-	-
BB-HCA11	-	-	-	-	-	-	-	-	-	-
WV-Q204/2S	-	-	-	-	-	-	-	-	-	-
WV-Q204/1S	-	-	-	-	-	-	-	-	-	-
WV-LZ62/8SP	-	-	-	-	-	YES	YES	-	-	-
WV-LZ61/15P	-	-	-	-	-	YES	YES	-	-	-
YV2.7X2.9LR4D-SA2L	-	-	-	-	-	YES	YES	-	-	-
YV5X2.7R4B-SA2L	-	-	-	-	-	YES	YES	-	-	-
YV10X5HR4A-SA2L	-	-	YES	YES	-	YES	YES	-	-	-
YV2.7X2.2SA-SA2	-	-	YES	YES	-	YES	YES	-	-	-
YV2.8X2.8SA-SA2	-	-	YES	YES	-	YES	YES	-	-	-
YV4.3X2.8SA-SA2	-	-	YES	YES	-	YES	YES	-	-	-
YV3.3X15SA-SA2	-	-	YES	YES	-	YES	YES	-	-	-
Y12x6A-SE2	-	-	YES	YES	-	YES	YES	-	-	-
Y12x6A-YE2 POTS	-	-	YES	YES	-	YES	YES	-	-	-
WV-ASE201P	-	-	-	-	-	-	-	-	-	-
WV-ASE202P	-	-	-	-	-	-	-	-	-	-
WV-ASE203P	-	-	-	-	-	-	-	-	-	-
WV-ASE204P	-	-	-	-	-	-	-	-	-	-

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 5 - It is only used for boxes POD9CWA and POD9CA
 6 - It is only used for boxes POD9CWA and POD9CA
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Accessories Chart

	ANALOGIC WV LINE									
	WV-CF354P	WV-CL924AP	WV-CP284P	WV-CP294P	WV-CP304P	WV-CP314P	WV-CP504P	WV-CW334SP	WV-CW364SP	WV-CW504SP
WJ-NDB301P	-	-	-	-	-	-	-	-	-	-
WJ-HDE300P	-	-	-	-	-	-	-	-	-	-
WJ-HDE400P	-	-	-	-	-	-	-	-	-	-
WJ-HDU40KP	-	-	-	-	-	-	-	-	-	-
WJ-GXE500P	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
WV-CU650P	-	-	-	-	-	-	-	-	-	-
WV-CU950P	-	-	-	-	-	-	-	-	-	-
BB-HCA11CE	-	-	-	-	-	-	-	-	-	-
BY-HPE11KTA	-	-	-	-	-	-	-	-	-	-
POD9CA	-	-	-	-	-	-	-	-	-	-
POD9CWA	-	-	-	-	-	-	-	-	-	-
PODV9CWT	-	-	-	-	-	-	-	-	-	-
PODV9CWTA	-	-	-	-	-	-	-	-	-	-
POSM5V ¹	-	-	-	-	-	-	-	-	-	-
PMSM5V ²	-	-	-	-	-	-	-	-	-	-
PPMF12D ³	-	-	-	-	-	-	-	-	-	-
PWM20GS	-	-	-	-	-	-	-	-	-	-
RCPOD9T ⁵	-	-	-	-	-	-	-	-	-	-
RCPOD9 ⁶	-	-	-	-	-	-	-	-	-	-
POH1000	-	-	YES	YES	YES	YES	YES	YES	-	-
PSS10 ⁷	-	-	YES	YES	YES	YES	YES	YES	-	-
POH1500HB	-	-	YES	YES	YES	YES	YES	YES	-	-
WV-Q122	-	-	-	-	-	-	-	-	-	-
WV-Q105	-	-	-	-	-	-	-	-	-	-
WV-Q157	-	-	-	-	-	-	-	-	-	-
WV-Q154C	-	-	-	-	-	-	-	-	-	-
WV-Q154S	-	-	-	-	-	-	-	-	-	-
WV-Q155C	-	-	-	-	-	-	-	-	-	-
WV-Q155S	-	-	-	-	-	-	-	-	-	-
WV-Q156C	-	-	-	-	-	-	-	-	-	-
WV-Q156S	-	-	-	-	-	-	-	-	-	-
WV-Q116	-	-	-	-	-	-	-	-	-	-
WV-Q117	-	-	-	-	-	-	-	-	-	-
WV-Q118	-	-	-	-	-	-	-	-	-	-
WV-CS3S	-	-	-	-	-	-	-	-	-	-
WV-Q168	YES	-	-	-	-	-	-	-	-	-
WV-CS5S	YES	-	-	-	-	-	-	-	-	-
WV-Q169	-	-	-	-	-	-	-	-	-	-
WV-CW4S	-	-	-	-	-	-	-	-	-	-
BB-HCA11	-	-	-	-	-	-	-	-	-	-
WV-Q204/2S	-	-	-	-	-	-	-	-	-	-
WV-Q204/1S	-	-	-	-	-	-	-	-	-	-
WV-LZ62/8SP	-	-	YES	YES	YES	YES	YES	YES	-	-
WV-LZ61/15P	-	-	YES	YES	YES	YES	YES	YES	-	-
YV2.7X2.9LR4D-SA2L	-	-	YES	YES	YES	YES	YES	YES	-	-
YV5X2.7R4B-SA2L	-	-	YES	YES	YES	YES	YES	YES	-	-
YV10X5HR4A-SA2L	-	-	YES	YES	YES	YES	YES	YES	-	-
YV2.7X2.2SA-SA2	-	-	YES	YES	YES	YES	YES	YES	-	-
YV2.8X2.8SA-SA2	-	-	YES	YES	YES	YES	YES	YES	-	-
YV4.3X2.8SA-SA2	-	-	YES	YES	YES	YES	YES	YES	-	-
YV3.3X15SA-SA2	-	-	YES	YES	YES	YES	YES	YES	-	-
Y12x6A-SE2	-	-	YES	YES	YES	YES	YES	YES	-	-
Y12x6A-YE2 POTS	-	-	YES	YES	YES	YES	YES	YES	-	-
WV-ASE201P	-	-	-	-	-	-	-	-	-	-
WV-ASE202P	-	-	-	-	-	-	-	-	-	-
WV-ASE203P	-	-	-	-	-	-	-	-	-	-
WV-ASE204P	-	-	-	-	-	-	-	-	-	-

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Accessories Chart

	ANALOGIC WV LINE			ANALOGIC RECORDERS		IP RECORDERS			MANAGEMENT	ACCESSORIES	
	WV-CW504FP	WV-CS584P	WV-CW594P	WJ-HD616KP	WJ-HD716KP	WJ-NV200KP	WJ-ND300AP	WJ-ND400KP	WJ-ASM200	WJ-GXE500	WJ-GXD400
WJ-NDB301P	-	-	-	-	-	-	YES	-	-	-	-
WJ-HDE300P	-	-	-	-	-	-	YES	-	-	-	-
WJ-HDE400P	-	-	-	-	-	-	-	YES	-	-	-
WJ-HDU400KP	-	-	-	YES	YES	-	-	YES	-	-	-
WJ-GXE500P	YES	YES	YES	YES	YES	-	-	-	-	-	-
WV-CU650P	-	-	-	-	-	-	-	-	-	-	-
WV-CU950P	-	-	-	-	-	-	-	-	YES*	-	-
BB-HCA11CE	-	-	-	-	-	-	-	-	-	-	-
BY-HPE11KTA	-	-	-	-	-	-	-	-	-	-	-
POD9CA	-	-	-	-	-	-	-	-	-	-	-
POD9CWA	-	-	-	-	-	-	-	-	-	-	-
PODV9CWT	-	-	-	-	-	-	-	-	-	-	-
PODV9CWTA	-	-	-	-	-	-	-	-	-	-	-
POSM5V ¹	-	-	-	-	-	-	-	-	-	-	-
PMSM5V ²	-	-	-	-	-	-	-	-	-	-	-
PPMF12D ³	-	-	-	-	-	-	-	-	-	-	-
PWM20GS	-	-	-	-	-	-	-	-	-	-	-
RCPOD9T ⁵	-	-	-	-	-	-	-	-	-	-	-
RCPOD9 ⁶	-	-	-	-	-	-	-	-	-	-	-
POH1000	-	-	-	-	-	-	-	-	-	-	-
PSS10 ⁷	-	-	-	-	-	-	-	-	-	-	-
POH1500HB	-	-	-	-	-	-	-	-	-	-	-
WV-Q122	-	-	-	-	-	-	-	-	-	-	-
WV-Q105	-	YES	-	-	-	-	-	-	-	-	-
WV-Q157	-	-	-	-	-	-	-	-	-	-	-
WV-Q154C	-	-	-	-	-	-	-	-	-	-	-
WV-Q154S	-	-	-	-	-	-	-	-	-	-	-
WV-Q155C	-	-	-	-	-	-	-	-	-	-	-
WV-Q155S	-	-	-	-	-	-	-	-	-	-	-
WV-Q156C	-	-	-	-	-	-	-	-	-	-	-
WV-Q156S	-	-	-	-	-	-	-	-	-	-	-
WV-Q116	-	-	-	-	-	-	-	-	-	-	-
WV-Q117	-	-	-	-	-	-	-	-	-	-	-
WV-Q118	-	-	-	-	-	-	-	-	-	-	-
WV-CS3S	-	-	-	-	-	-	-	-	-	-	-
WV-Q168	-	-	-	-	-	-	-	-	-	-	-
WV-CS5S	-	-	-	-	-	-	-	-	-	-	-
WV-Q169	-	-	-	-	-	-	-	-	-	-	-
WV-CW4S	-	-	-	-	-	-	-	-	-	-	-
BB-HCA11	-	-	-	-	-	-	-	-	-	-	-
WV-Q204/2S	-	-	-	-	-	-	-	-	-	YES	YES
WV-Q204/1S	-	-	-	-	-	-	-	-	-	-	YES
WV-LZ62/8SP	-	-	-	-	-	-	-	-	-	-	-
WV-LZ61/15P	-	-	-	-	-	-	-	-	-	-	-
YV2.7X2.9LR4D-SA2L	-	-	-	-	-	-	-	-	-	-	-
YV5X2.7R4B-SA2L	-	-	-	-	-	-	-	-	-	-	-
YV10X5HR4A-SA2L	-	-	-	-	-	-	-	-	-	-	-
YV2.7X2.2SA-SA2	-	-	-	-	-	-	-	-	-	-	-
YV2.8X2.8SA-SA2	-	-	-	-	-	-	-	-	-	-	-
YV4.3X2.8SA-SA2	-	-	-	-	-	-	-	-	-	-	-
YV3.3X15SA-SA2	-	-	-	-	-	-	-	-	-	-	-
Y12x6A-SE2	-	-	-	-	-	-	-	-	-	-	-
Y12x6A-YE2 POTS	-	-	-	-	-	-	-	-	-	-	-
WV-ASE201P	-	-	-	-	-	-	-	-	YES	-	-
WV-ASE202P	-	-	-	-	-	-	-	-	YES	-	-
WV-ASE203P	-	-	-	-	-	-	-	-	YES	-	-
WV-ASE204P	-	-	-	-	-	-	-	-	YES	-	-

* It is necessary to purchase the Software WJ-ASM200 and its complement WJ-ASE201.
 1 and 2 - These items must be sold together, one is the complement of the other, they only work together.
 3 - This item is specific to the box POD9CA
 4 - To use this support to the internal PTZ Dome cameras is necessary to use protection box POSM5V and the sunshade PMSM5V
 5 - It is only used for boxes POD9CWA and POD9CA
 6 - It is only used for boxes POD9CWA and POD9CA
 7- It is only used in conjunction with box POH1000

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