Panasonic
ideas for life

ALWAYS MORE THAN YOU EXPECT
SURVEILLANCE AND MONITORING SYSTEMS

ANALOGUE PRODUCT OPTIONS

FULLY INTEGRATED SYSTEMS

ADVANCED FEATURES, COMPLETE RELIABILITY

PANASONIC SECURITY SYSTEMS: THE PERFECT CHOICE TO PROTECT **YOUR BUSINESS**

No matter what business sector you operate in, Panasonic has a complete security system to suit your individual needs. We offer a wide range of options for analogue set-ups with components designed for the most extreme operating environments. Features include real time recording, water and dust resistance, intelligent motion detection. In short, whatever the security requirements of your business, Panasonic can deliver an utterly dependable solution.

FIND YOUR WAY AROUND
THIS GUIDE

This brochure has been designed to be easy for you to specify a complete system as well as browse and compare our individual products. It divides the range into two simple sections; analogueue products and lenses. Many of our cameras are available with a choice of lenses to suit different situations and environments, and we have included a handy comparison chart to help you select the camera/ lens combinations that are most appropriate for your particular application.

UNDERSTAND THE FEATURES

36x OPTICAL ZOOM	36X OPTICAL ZOOM	Auto Back Focus	AUTO BACK FOCUS
30x OPTICAL ZOOM	30X OPTICAL ZOOM	day/night IR removable	TRUE DAY/NIGHT
22x OPTICAL ZOOM	22X OPTICAL ZOOM	Vandal Resistant	VANDAL RESISTANT
21x OPTICAL ZOOM	21X OPTICAL ZOOM	IP66 standard	WATER AND DUST RESISTANCE: IP66
2.3x OPTICAL ZOOM	2.3X OPTICAL ZOOM	day/night	SIMPLE DAY/NIGHT
SDIII Super Dynamic	SDIII WIDE DYNAMIC RANGE	i-VMD	INTELLIGENT-VIDEO MOTION DETECTION
SD6 Super Dynamic	SD6 WIDE DYNAMIC RANGE	Shock Detection	SHOCK DETECTION
SD5 Super Dynamic	SD5 WIDE DYNAMIC RANGE		

ANALOGUE 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: PAL)

SD6 SuperDynamic | day/night IR removable | 36x OPTICAL ZOOM | IP66 standard

- High resolution: 650 TV lines
- High sensitivity with Day/Night function: 0.5 lx (Color) at F1.4 (Wide), 0.04 lx (B/W) at F1.4 (Wide). IR cut filter switches on/off to enhance the sensitivity in B/W mode
- Adaptive Digital Noise Reduction: Integration of 2D-DNR and 3D-DNR ensures noise reduction in various conditions
- Electronic sensitivity enhancement: Auto (Up to 32x) / Manual (Up to 512x)
- Electronic shutter from 1/100(NTSC), 1/120 (PAL) to 1/10,000 s
- 36x zoom lens: 3.3 ~ 119 mm (approx. 720x with digital zoom)
- Pan/Tilt speed of max. 400°/s at preset mode and 0.065°/s super fine control at manual mode
- 5 degrees upper view for various applications
- 256 preset positions that can be activated from the system controller with a switcher or recorder (specific models)
- Auto tracking: The camera follows the largest movement in the image automatically. The camera will pan and tilt to keep the subject center to the image

Super Dynamic 6
Day/Night Dome Camera

WV-CS580 SERIES
WV-CS580 (220 - 240 V AC: PAL)
WV-CS584 (24 V AC)

SD6 SuperDynamic | day/night IR removable | 36x OPTICAL ZOOM

- High resolution: 650 TV lines
- High sensitivity with Day/Night function: 0.5 lx (Color) at F1.4 (Wide), 0.04 lx (B/W) at F1.4 (Wide). IR cut filter switches on/off to enhance the sensitivity in B/W mode
- Adaptive Digital Noise Reduction: Integration of 2D-DNR and 3D-DNR ensures noise reduction in various conditions
- Electronic sensitivity enhancement: Auto (Up to 32x) / Manual (Up to 512x)
- Electronic shutter from 1/100(NTSC), 1/120 (PAL) to 1/10,000 s
- 36x zoom lens: 3.3 ~ 119 mm (approx. 720x with digital zoom)
- Pan/Tilt speed of max. 400°/s at preset mode and 0.065°/s super fine control at manual mode
- 5 degrees upper view for various applications
- 256 preset positions that can be activated from the system controller with a switcher or recorder (specific models)
- Auto tracking: The camera follows the largest movement in the image automatically. The camera will pan and tilt to keep the subject center to the image

OPTIONAL ACCESSORIES

Wall Mount Bracket WV-Q122	Wall Bracket CW960WB	Swan Neck CW960SN

Corner Mount CW960CM	Pendant Mount CW960PM

OPTIONAL ACCESSORIES

Ceiling Mount Bracket WV-Q105	Embedded Ceiling Mount Bracket WV-Q116	Pendant Mount Bracket WV-Q117

Wall Mount Brackets WV-Q118A	Smoke Dome Cover WV-CS3S

ANALOGUE PRODUCTS
FIXED DOME CAMERAS

Super Dynamic 5
Fixed Dome Camera

WV-CF504
WV-CF504 (24 V AC or 12 V DC: NTSC, PAL)

- High resolution: 650 TV lines typical (Colour), 700 TV lines (B/W)
- High sensitivity: 0.1 lx (Colour), 0.01 lx (B/W) at F1.4 (Wide) / 0.003 lx (Colour), 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
- ABF (Auto Back Focus) ensures easy installation and stable focus in both color and B/W modes
- 3-dimensional color conversion function for natural color reproduction even in lower color temperature situation
- Adaptive Digital Noise Reduction: Integration of 2D-DNR and 3D-DNR ensures noise reduction in various conditions
- Electronic sensitivity enhancement: Auto (Up to 32x) / Manual (Up to 32x)
- Electronic shutter from 1/100 (NTSC), 1/120 (PAL) to 1/10,000 s
- 3.8 ~ 8.0 mm, 2x Varifocal Auto Iris lens with 2x digital zoom

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)

- High resolution: 650 TV lines typical(Colour), 700 TV lines (B/W)
- High sensitivity: 0.1 lx (Colour), 0.01 lx (B/W) at F1.4 (Wide) / 0.003 lx (Colour), 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
- ABF (Auto Back Focus) ensures easy installation and stable focus in both color and B/W modes
- Adaptive Digital Noise Reduction: Integration of 2D-DNR and 3DDNR ensures noise reduction in various conditions
- Electronic sensitivity enhancement: Auto (Up to 32x) / Manual (Up to 32x)
- 3.8 ~ 8.0 mm, 2x Varifocal Auto Iris lens with 2x digital zoom
- Auto Image Stabilizer for applications where vibration or wind is a concern
- IP66 rated water and dust resistant. Compatible with IEC60529 measurement standard

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 sensitivity: 0.6 lx (Colour) 0.4 lx (B/W) at F1.3(Wide) (WV-CW334)
- High sensitivity: 0.6 lx (Colour) 0.05 lx (B/W) at F1.3(Wide) (WV-CW364)
- 2.8 mm ~ 10 mm 3.6x Varifocal Auto Iris lens
- Adaptive Black Stretch enhances visibility of dark area
- IP66 rated water and dust resistant
- Various adjustment features including BLC (Back Light Compensation), ATW (Auto Tracing White Balance) and ALC (Automatic Light Control)
- 2 White Balance modes are selectable with Dip Switch: ATW (Auto Tracking White Balance) / AWC (Automatic White Balance Control)
- 2.8 ~ 10 mm 3.6x Varifocal Auto Iris lens
- Internal/Multiplexed Vertical Drive (VD2) synchronization
- Monitor output for easier lens adjustment upon installation

OPTIONAL ACCESSORIES

Embedded Ceiling Mount Bracket
WV-Q175

Smoke Dome Cover
WV-CW4S

OPTIONAL ACCESSORIES

Smoke Dome Cover
WV-CW4S

Heater Unit
WV-CW5H

Embedded Ceiling Mount Bracket
WV-Q169

OPTIONAL ACCESSORIES

Heater Unit
WV-CW5H

Embedded Ceiling Mount Bracket
WV-Q169

Smoke Dome Cover
WV-CW4S

Day/Night Fixed Dome Camera

WV-CF600 SERIES
WV-CF614 (24V AC or 12V DC:PAL)
WV-CF634 (24V AC or 12V DC:PAL)

- Super Dynamic 6 technology delivers 160x 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)
- High sensitivity with Day/Night (electrical function: 0.08 lx (Color), 0.05 lx (B/W) at F1.4 (WV-CF614)
- ABS (Adaptive Black Stretch) enhances visibility of dark area without degrading image quality in bright area
- ABF (Auto Back Focus) ensures easy installation
- Various adjustment features including ATW (Auto Tracing White Balance) and ALC (Automatic Light Control)
- 2.8 ~ 10 mm 3.6x Varifocal Auto Iris lens
- 3-dimensional color conversion function for natural color reproduction even in lower color temperature situation
- Adaptive Digital Noise Reduction: Integration of 2D-DNR and 3D-DNR ensures noise reduction in various conditions

OPTIONAL ACCESSORY

Embedded Ceiling
Mount Bracket
(Sail white)
WV-Q174

ANALOGUE PRODUCTS
FIXED DOME CAMERAS

Day/Night Fixed Dome Camera (for PAL only)

WV-CF374
WV-CF374 (24V AC or 12V DC: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
- 3.6x (2.8 mm ~ 10 mm) varifocal lens built-in
- Wide coverage : Horizontal: 100.8 °, Vertical: 73.8 °
- Lens Distortion Correction
- On screen display menu
- Monitor output and ELC mode for easier lens adjustment upon installation
- 3-way hinge (horizontal, vertical and swivel rotation) for easy installation

Day/Night Fixed Dome Camera

WV-CF354/344
(24V AC or 12V DC:NTSC,PAL)

- High resolution: 650 TV lines
- High sensitivity with Day/Night (electrical) function: 0.08 lx (Color), 0.05 lx (B/W) at F1.4
- 3.6x (2.8 mm ~ 10 mm) varifocal lens built-in
- Auto Back Focus (ABF) adjustment (WV-CF354 only)
- Wide coverage : Horizontal: 100.3 °, Vertical: 73.4 °
- Lens Distortion Correction
- On screen display menu
- Monitor output and ELC mode for easier lens adjustment upon installation
- 3-way hinge (horizontal, vertical and swivel rotation) for easy installation

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

WV-CF102
(12 V DC: PAL)

- High resolution: 540 TV lines
- High sensitivity: 1.2 lx (Colour), 0.9 lx (B/W) at F2.0
- 108 mm in diameter compact design
- 2.5 mm fixed focal lens
- Adaptive Black Stretch enhances the visibility of dark area
- Various adjustment features including BLC (Back-Light Compensation) and ATW (Auto Tracing White Balance)
- 2.5 mm Fixed Focal lens
- Internal/Multiplexed Vertical Drive (VD2) synchronization
- 3-way hinge (horizontal, vertical and swivel rotation) for easy installation
- Various mounting options: Surface mount, Mounting to a junction box (locally obtained)
- Compact design fits for various applications such as ATMs, shopping malls, hotels and hospitals

OPTIONAL ACCESSORY

Embedded Ceiling
Mount Bracket
(Sail white)
WV-Q174

OPTIONAL ACCESSORY

Embedded Ceiling
Mount Bracket
(Sail white)
WV-Q174

OPTIONAL ACCESSORY

Smoke
Dome Cover
WV-CF5S

ANALOGUE PRODUCTS
FIXED CAMERAS

Lens: optional

WV-CP500 / WV-CP500L

WV-CP504 WV-CP504L

Super Dynamic 5, Day/Night Camera

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

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

SD5 SuperDynamic (WV-CP500L) day/night IR removable Auto Back Focus i-VMD (WV-CP50

- High resolution: 650 TV lines typical (Colour), 700 TV lines (B/W) (WV-CP500)
- High resolution: 650 TV lines typical (WV-CP500L)
- High sensitivity: 0.1 lx (Colour), 0.01 lx (B/W) at F1.4 / 0.003 lx (Colour), 0.0003lx (B/W) at F1.4 with Sens Up 32x (WV-CP500)
- High sensitivity: 0.1 lx (Colour), 0.07 lx (B/W) at F1.4 / 0.003 lx (Colour), 0.002lx (B/W) at F1.4 with Sens Up 32x (WV-CP500L)
- **Super Dynamic 5** delivers Superior image by fusion of Super Dynamic, ABS (Adaptive Black Stretch) and i-VMD   * Not available in the UK

Super Dynamic III
Weather Resistant Day/Night Camera

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

SDIII SuperDynamic day/night IR removable Auto Back Focus IP66 standard

- High sensitivity: 0.65 lx (Colour), 0.09 lx (B/W) at F1.6 / 0.065 lx (Colour), 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

Lens: optional

Day/Night Fixed Camera

WV-CP600 SERIES
WV-CP600 (220 V -240 V AC: PAL)
WV-CP604 (24 V AC or 12 V DC: NTSC, PAL)
WV-CP620 (220 V -240 V AC: PAL)
WV-CP624 (24 V AC or 12 V DC: NTSC, PAL)

SD6 SuperDynamic day/night IR removable

- Super Dynamic 6 technology delivers 160x 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 ni B/W mode (WV-CP620/WV-CP624)
- High sensitivity with Day/Night (electrical) function: 0.08 lx (Color), 0.05 lx (B/W) at F1.4 (WV-CP600/WV-CP604)
- ABS (Adaptive Black Stretch) enhances visibility of dark area without degrading image quality in bright area

Lens: optional

High Sensitive Day/Night Camera

WV-CL930 SERIES
WV-CL930   (120 V AC: NTSC, 220 V -240V 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)

day/night IR removable Auto Back Focus

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

Lens: optional

Day/Night Camera

WV-CP300 SERIES
WV-CP300 (120V AC: NTSC, 220 - 240V AC: PAL)
WV-CP304 (24V AC or 12V DC: NTSC, PAL)
WV-CP310 (120V AC: NTSC, 220 - 240V AC: PAL)
WV-CP314 (24V AC or 12V DC: NTSC, PAL)

day/night day/night IR removable

- High resolution: 650 TV lines
- High sensitivity with Day/Night (electrical) function: 0.08 lx (Color), 0.05 lx (B/W) at F1.4 (WV-CP310/314)
- 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

Day/Night Camera (for PAL only)

WV-CZ392/WV-CZ492
(12 V DC: PAL)

day/night IR removable 22x OPTICAL ZOOM

- High resolution: 650 TV lines
- High sensitivity with Day/Night function: 0.5 lx at color mode (Sens Up: Off, AGC: High) 0.04 lx at B/W mode (Sens Up: Off, AGC: High)
- Super Dynamic 6 technology delivers 160x wider dynamic range compared to conventional cameras (WV-CZ492)
- 36x Optical Zoom Lens

ANALOGUE PRODUCTS
DIGITAL VIDEO RECORDERS &
SYSTEM CONTROLLERS

16ch Real-time H.264 Digital Disk Recorder

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

HDMI™ UniPhier® SD5 Link Super Dynamic

- H.264 (High profile) codec with "UniPhier®" Panasonic's proprietary
- System LSI platform provides high quality and high compression encoding simultaneously.
- 16 analogue video inputs including 16 Panasonic coax. camera control inputs and 4 audio inputs
- Real-time recording 400 ips (Field), 200 ips (Frame)
- Live/Playback monitor out (HDMI, BNC) and Live monitor out (HDMI, BNC)
- 2x HDMI interfaces supporting dual 1080i (1,920 x 1,080) display
- Up to 800 ips at 16ch 2x monitors real-time live
- Various Display Modes: 4 / 7 / 8 / 9 / 12 / 16 split screen display
- SD5Link (Super Dynamic 5 Link) capability with i-VMD (intelligent-Video Motion Detection) alarm provides disk saving and easy search

16 cH h.264 Digital Disk Recorder

WJ-HD616
(120 V AC: NTSC, 220 V -240 V AC: PAL)

HDMI™ UniPhier® SD5 Link Super Dynamic

- H.264 (High profile) codec with "UniPhier®" Panasonic's proprietary
- System LSI platform provides high quality and high compression encoding simultaneously
- 16 analogue video inputs including 8 Panasonic coax. camera control inputs and 4 audio inputs
- Field recording 200 ips and Frame 100 ips
- Live/Playback monitor out (HDMI, BNC) and Live monitor out (HDMI, BNC)
- 2x HDMI interfaces supporting dual 1080i (1,920 x 1,080) display
- Up to 800 ips at 16ch 2x monitors real-time live
- Various Display Modes: 4 / 7 / 8 / 9 / 12 / 16 split screen display
- SD5Link (Super Dynamic 5 Link) capability with i-VMD (intelligent-Video Motion Detection) alarm provides disk saving and easy search
- Up to 5 recorders can be integrated in cascade connection mode for up to 80 cameras
- Equipped with 4 HDD slots accessible from front panel

Video Management Software/Extension Software

WV-ASM200/WV-ASE201
/WV-ASE202

H.264 MPEG-4 JPEG

- Supports 16:9 video stream and 16:9 HD monitor
- Displays 16:9 and 4:3 videos from IP cameras on the same screen
- 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
- 32/64 channel support*

*WV-ASE202 is required

OPTIONAL ACCESSORIES

HDD Canister
WJ-HDU40K

Hard Disk Extension Unit
WJ-HDE400

RAID Board
WJ-HDB601

Built-in DVD Drive
WJ-HDB611

OPTIONAL ACCESSORIES

HDD Canister
WJ-HDU40K

Hard Disk Extension Unit
WJ-HDE400

RAID Board
WJ-HDB601

Built-in DVD Drive
WJ-HDB611

OPTIONAL ACCESSORIES

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

(WV-ASE201 is necessary)

ANALOGUE PRODUCTS
MATRIX SWITCHING SYSTEM

512 Inputs Matrix Switching System

SYSTEM650 WITH WV-ASC970

- 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)
- Up to 64 Satellite domains

256 Inputs Matrix Switching System

SYSTEM650

- 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)

Matrix Switcher **WJ-SX650**	Card Cage **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)
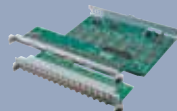
Expansion Cable Kit **WJ-CA65L20K** (2 m) **WJ-CA65L07K** (0.7 m)	RS-485 System Controller with 3D-Joystick & Jog/Shuttle **WV-CU650** (for System650 only)	Ethernet System Controller with 3D-Joystick & Jog/Shuttle **WV-CU950**	IP Matrix Server Software **WV-ASC970** (Version 3) (for System650EX only)	IP Matrix Client Software **WV-ASM970** (Version 2)
			(Image used for illustrative purposes only)	(Image used for illustrative purposes only)

LENSES

LENSES OVERVIEW

1/3 Type Variable focal lenses	2x Variable WV-LZA62/2	2x Variable WV-LZA61/2S	8x Variable WV-LZ62/8S
	2.8 mm ~ 6 mm F1.4 (wide) F2.1 (tele)	3.8 mm ~ 8 mm F1.4 (wide) F1.8 (tele)	5 mm ~ 40 mm F1.6 (wide) F1.9 (tele)
Focal Length	2.8 mm ~ 6 mm	3.8 mm ~ 8 mm	5 mm ~ 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 mm x 60 mm x 60.9 mm	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 WV-CP300 WV-CP304	WV-CP310 WV-CP314 WV-CP500 WV-CP500L	1/2 type CCD Camera WV-CL930
1/3 type ALC Variable Focal	WV-LZA62/2	2.8 mm ~ 6 mm	Possible	YES	NO
	WV-LZA61/2S	3.8 mm ~ 8 mm	YES	YES	NO
	WV-LZ62/8S	5 mm ~ 40 mm	YES	YES	NO

LENSES
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 & 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 (Wide)	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
	8x Variable Focal WV-LZ62/8S	5 mm (Wide)	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
	2x Variable Focal WV-LZA62/2	2.8 mm (Super Wide)	Ratio 62% 3.4(W) m x 2.6(H) m	Ratio 31% 6.9(W) m x 5.1(H) m	Ratio 21% 10.3(W) m x 7.7(H) m	Ratio 16% 13.7(W) m x 10.3(H) m	Ratio 12% 17.1(W) m x 12.9(H) m
		6 mm (Wide)	Ratio 133% 1.6(W) m x 1.2(H) m	Ratio 67% 3.2(W) m x 2.4(H) m	Ratio 44% 4.8(W) m x 3.6(H) m	Ratio 33% 6.4(W) m x 4.8(H) m	Ratio 27% 8.0(W) m x 6.0(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.

INDEX

28.08.2012.01-A-EN

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