Panasonic ideas for life



Mega Pixel Colour Network Cameras WV-NP1000 Series

High Quality, Efficiency, and Reliability.

Panasonic's Mega Pixel Colour Network Camera Delivers Everything You Need.





Mega Pixel Colour Network Cameras

J Series







MPEG-4 & JPEG Dual Stream Capable. For high-level 24-hour surveillance, the WV-NP1000 Series Mega Pixel Colour Network Cameras are ideal.

Panasonic introduces the new WV-NP1000 Series Mega Pixel Colour Network Cameras with a 1.25 Mega Pixel CCD. Dual streaming delivers both seamless motion MPEG-4 and high precision JPEG. Just as you would expect from Panasonic, the first to offer Auto Back Focus, this camera is also loaded with advanced features such as the SD Memory Card backup for network problems. With 600 TV lines of horizontal resolution, you can always count on high quality analogue output. Add the combination of networked operation convenience and high reliability, there's no question the WV-NP1000 Series are ideal for bank, office building, shopping mall, airport, and school surveillance applications, as well as other high-quality image transmission services.

Wider Area, Resolution

Real Time

R

High Image

Quality Recording

Full Rate

MPEG-4/JPEG

Monitoring

Equipped with Progressive Scan 1.25 Mega Pixel CCD

This 1,280 x 960 pixel CCD uses progressive scan to smoothly reproduce images of moving subjects. Plus, when comparing its 1,280 x 960 JPEG images with conventional VGA (640 x 480) JPEG images, the JPEG image is able to cover an area four times wider.

MEGA

Four Times Wider Area (Same Camera Position)



WV-NP1000 Series (1,280 x 960)

(VGA 640 x 480)

Four Times Higher Resolution (Shooting Same Area)

Enlarged images show no loss of image quality, enabling superior electronic zoom

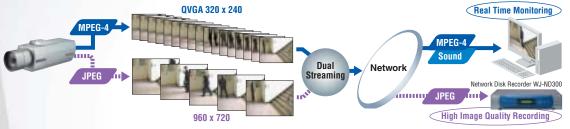


WV-NP1000 Series

MPEG-4/JPEG Dual Streaming

This camera allows real time monitoring in MPEG-4 (QVGA 320 x 240: Max. 25 fps) while simultaneously shooting high-resolution JPEG (960 x 720: Max. 7.5 fps) images. While supporting a highly efficient network environment, it also provides high reliability required by surveillance applications.

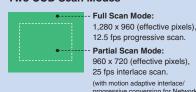




Transmits at High Frame Rate

In Partial Scan Mode, this camera can capture VGA (640 x 480) MPEG-4/JPEG images and output them over your network at 25 fps. (For details, please see Frame Rate Chart.)

Two CCD Scan Modes



You can choose the best-fit image size from a rich array of alternatives.

Compression Format Scan Mode	JPEG MPEG-4					
Full Scan Mode	1,280 x 960	VGA	QVGA	VGA	QVGA	
(Max. 12.5 fps*)		640 x 480	320 x 240	640 x 480	320 x 240	
Partial Scan Mode	960 x 720	VGA	QVGA	VGA	QVGA	
(Max. 25 fps*)		640 x 480	320 x 240	640 x 480	320 x 240	

Frame Rate Chart ·····

JPEG (MPEG-4 C		- 1			Image :	Settings					
Image Resolution	Mode	0	1	2	3	4	5	6	7	8	9
illage Resolution	Mode	Super Fine	Fine				Normal				Low
1,280 x 960 Full Scan Mode	Image Size (KB)	320	256	224	192	160	128	96	80	64	48
	Frame Rate (fps)	5	6	8	9	-11	12.5	12.5	12.5	12.5	12.5
	Bit Rate (Mbps)	12.8	12.3	14.3	13.8	14.1	12.8	9.6	8.0	6.4	4.8
VGA (640 x 480)	Image Size (KB)	128	96	80	64	56	48	40	32	28	24
Full Scan Mode	Frame Rate (fps)	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
Full Scan Mode	Bit Rate (Mbps)	12.8	9.6	8.0	6.4	5.6	4.8	4.0	3.2	2.8	2.4
QVGA (320 x 240)	Image Size (KB)	44	40	36	32	28	24	20	16	14	12
Full Scan Mode	Frame Rate (fps)	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
ruii Scan Wode	Bit Rate (Mbps)	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.4	1.2
960 x 720	Image Size (KB)	240	192	152	120	96	72	60	48	42	36
Partial Scan Mode	Frame Rate (fps)	6	8	10	13	16	22	23	24	24	24
Partial Scall Wode	Bit Rate (Mbps)	11.5	12.3	12.2	12.5	12.3	12.7	11.0	9.2	8.1	6.9
VGA (640 x 480)	Image Size (KB)	128	96	80	64	56	48	40	32	28	24
Partial Scan Mode	Frame Rate (fps)	12	16	18	24	24	25	25	25	25	25
Partial Scan Mode	Bit Rate (Mbps)	12.3	12.3	11.5	12.3	10.8	9.6	8.0	6.4	5.6	4.8
QVGA (320 x 240)	Image Size (KB)	44	40	36	32	28	24	20	16	14	12
	Frame Rate (fps)	25	25	25	25	25	25	25	25	25	25
Partial Scan Mode -	Bit Rate (Mbps)	8.8	8.0	7.2	6.4	5.6	4.8	4.0	3.2	2.8	2.4

(above all figures are approximate, actual figures may differ depending on the network under the conditions.) (system requirements of above figures are recommendable PC with CPU; Pentium®4 2.4 GHz or faster)

MPEG-4 (1 User)		MPEG-4 Bit Rate Settings (kbps)								
Image Resolution	Mode	4,096	3,072	2,048	1,536	1,024	512	256	128	64
VOA (C40 400)	Low (fps)	12.5	12.5	12.5	12.5	9.4	4.7	2.1	1	0.6
VGA (640 x 480) Full Scan Mode	Normal (fps)	12.5	12.5	12.5	10.2	7.5	3	1.6	1	0.6
Full Scan Wode	Fine (fps)	12.5	11.2	10	8	4.7	2.4	1	1	0.6
QVGA (320 x 240) Full Scan Mode	Low (fps)	12.5	12.5	12.5	12.5	12.5	12.5	9	4.5	2.2
	Normal (fps)	12.5	12.5	12.5	12.5	12.5	12.5	7.5	3.1	1.6
	Fine (fps)	12.5	12.5	12.5	12.5	12.5	9	4.5	2.2	1
VOA (C40 400)	Low (fps)	25	25	25	19	12.5	6	3.2	1.4	0.8
VGA (640 x 480)	Normal (fps)	25	25	25	19	12.2	5.9	3	1.4	0.8
Partial Scan Mode	Fine (fps)	25	23	20	16	11.4	4.3	2.2	1	0.8
QVGA (320 x 240) Partial Scan Mode	Low (fps)	25	25	25	25	25	25	12	5.8	2.9
	Normal (fps)	25	25	25	25	25	18.5	10.5	4	2.2
	Fine (fps)	25	25	25	25	24.5	12.4	6	3	1.4

Scan Mode	J	IPEG		MPEG-4 (User No.)
Scan wode	Size	Frame Rate (fps)	4,096 kbps	2,048 kbps	1,024 kbps
	1,280 x 960	5	3	5	7
Full Scan Mode	1,280 x 960	2	4	7	7
	1,280 x 960	1	4	7	7
	960 x 720	5	-	-	7
Partial Scan Mode	960 x 720	2	4	7	7
	960 x 720	1	4	7	7
	VGA	5	4	7	7
Partial Scan Mode	VGA	2	4	7	7
	VGA	1	4	7	7

How to read the DUAL Mode chart: • For example, the first line shows that in Full Scan Mode, up to three users cess MPEG-4 images at 4,096 kbps while 1,280 x 960 size JPEG images are being recorded a G-4 is unicast transmission and normal mode. • Frame rate of MPEG-4 is same as MPEG-4 or

Advanced 24-Hour Surveillance Features

Day/Night Switching for 24-hour Surveillance

black and white mode. Then, when the lighting brightens, it automatically switches back to fullcolour mode, allowing use of a single camera for 24-

hour surveillance



In Lighting as Low as 0.06 lux (B/W mode, at F1.4 lens)

When using the optional F1.4 lens, colour mode captures clear images in lighting as low as 1.0 lux. In black and white mode, the lighting can be as low as 0.06 lux. Sensitivity can be electronically enhanced up to 32x.

600 TV Lines Horizontal Resolution (Full Scanning Mode, in Colour)

Analogue output resolution is 600 TV lines in colour mode, 780 TV lines in black and white.

Auto Image Stabilizer Reduces Image Blurring

A Wealth of Handy Alarm Features

other equipment transmitted over the LAN.

used to activate lights, buzzers or other external devices.

camera shake caused by strong wings or vibration from passing trains or trucks, keeping images clear and easy to read.

External Device Operation

FTP Server Forwarding

Alarm E-mail Notification

System Examples

Automatic Alarm Transmission

Recorder, e.g., to switch to a higher frame rate.

1 fps refresh rate).



Cameras can be preset to respond to alarms from external sensors. Scene

Signals transmitted from the alarm output connector on the back of the camera can be

JPEG images can be forwarded to a designated FTP server (10-5,000 frames/ 0.1 fps -

E-mail alarms can be sent to up to four e-mail addresses. Mail subject lines can be up

Alarm signals can be transmitted automatically to the WJ-ND300 Network Disk

to 50 characters long. Mail body text can be up to 200 characters long.

Change Detection, built-in Motion Detector sensors or command alarms from





Privacy Zone Masking for Up to Eight Locations

alarm signal is transmitted when motion is detected.

Auto Back Focus for Perfect Focus 24 Hours a Day

need for manual focus adjustment during Day/Night Me

This features adjusts the position of the CCD

addition, one-push Auto Focus eliminates the

using the setup menu or optional controller.

An alarm notification is sent if the camera is

removed, or camera direction changed).

interfered with (i.e. covered, spray painted, lens

Interference with Cameras

installation. Focus can also be adjusted remotely,

Scene Change Detection Alerts You to

as the camera switches to black and white

mode, keeping focus sharp and clear. In

Up to eight zones can be hidden when the area under surveillance includes private areas.

Motion Detection Warns of Movement in the Area Under Surveillance

You can set up to four search areas as well as sensitivity and direction. An

Sound Detection Features

Fach camera is equipped with a high-sensitivity microphone. allowing for complete monitoring of the situation (ITU-T Standard G.726 sound capability).



Whole CCD Printed Circuit

Security Features Just in Case

SD Memory Card Slot

If your network crashes, these cameras can automatically backup* surveillance images on the SD Memory Card (optional), thus allowing you to check captured images while the network was down. *Only when images are being transmitted regularly to an FTP server.

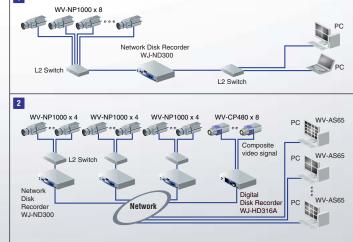


Authorized Access Management Features

Access can be authorized for up to eight IP hosts and restricted by name and password to up to 16 users. Each host or user can be granted any of three levels of access.

Three Access Levels

- Administrator ···· Access to all operations and settings
- Camera Control Access to image display and camera controls
- Live Only -···· Access to image display only





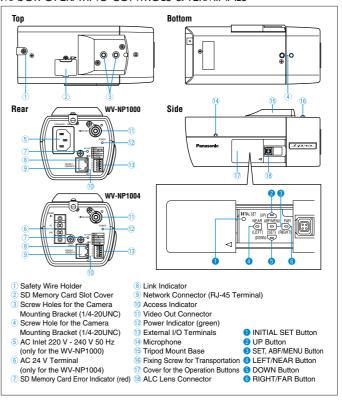
SPECIFICATIONS: WV-NP1000 Series

Model No.	WV-NP1000	WV-NP1004						
General Specificati								
Power Source	AC 220 V - 240 V 50 Hz	AC 24 V 50 Hz						
Power Consumption								
Ambient Temperature								
Ambient Humidity	90 % or less							
Controller Interface	Coaxial multiplex/Ethernet							
External I/O Terminals	DAY/NIGHT IN x1, AUX OUT x1, ALARI	M IN x1, ALARM OUT x1						
Dimensions (W x H x D)	84 x 83 x 197.5 mm (excluding connector							
Weight	Approx. 0.97 kg	,						
CAMERA								
Image Sensor	1/3-type interline transfer CCD							
Effective Pixels	Full scanning mode: 1,296 (H) x 966 (V)	Partial scanning mode: 960 (H) x 720 (V)						
Scanning Area								
Scanning System	Full Scanning mode: 4.8 mm (H) x 3.6 mm (V) Partial scanning mode: 3.6 mm (H) x 2.7 mm (V) Full Scanning Mode: 12.5 fps progressive scan,							
ocariming Oyotom	Partial Scanning Mode: 25 fps 2:1 interlace scan (with mot							
AGC	ON (LOW, MID, HIGH)/OFF	uon adaptive interiacei progressive conversion for network)						
		Α.						
Aperture Control Electronic Shutter	ALC/ALC+/ELC (BLC ON/OFF available							
Electronic Snutter	Full scanning mode: OFF(1/12.5), 1/25, 1/50, 1/60, 1/12							
0	Partial scanning mode: OFF(1/50), 1/120, 1/25							
Sensitivity Up	OFF, x2AUTO, x4AUTO, x6AUTO, x10AUTO*, x							
	(*Selectable only when "Partial scan" is	selected for the resolution setting.)						
White Balance	ATW1/ATW2/AWC							
DNR	LOW/HIGH							
Colour/BW	AUTO1/AUTO2/EXT/ON/OFF							
Electronic Zoom	x5							
Image Stabilizer	ON/OFF							
Camera ID	Up to 16 characters ON/OFF							
VMD Alarm	ON/OFF, 4 areas available							
Back Focus	ABF/MANUAL/CL/BW							
ALC Lens Drive	DC drive							
Lens Mount	CS-mount							
Analogue								
Signal	PAL							
Video Output	VBS: 1.0 V [p-p] / 75 Ω, composite (BNC	2)						
Scanning Frequency	Horizontal: 15.625 kHz Vertical: 50 Hz	-/						
Synchronization	Internal synchronization, VD2 synchroniz	zation						
Resolution								
Full Scanning Mode	Horizontal: 600 TV lines (in colour), 780	TV lines (in B/W) Vertical: 450 TV lines						
Partial Scanning Mode	Horizontal: 540 TV lines (in colour), 570							
S/N	50 dB or more (AGC OFF)	17 miles (m 2/11) Terusan 100 17 miles						
Minimum	1.0 lux (in colour), 0.06 lux (in B/W) [F1.4 optional lens, AGC ON (HIGH),							
Illumination	Full Scanning Mode (shutter speed 1/25 s) / Partial Scanning Mode (Electronic shutter speed OFF 1/50 s)]							
Network	Tuli Scalling Wode (strutter speed 1/25 s) / Tarital C	ocalifility wode (Electronic strutter speed Of 1 1730 s)						
	10DACE T/100DACE TV DIAF connect	0.0						
Network Passalution	10BASE-T/100BASE-TX, RJ45 connect	UI						
Resolution	IDEC: 1.000 v.0604/04 /040 :: 400\/014							
Full Scanning	JPEG: 1,280 x 960/VGA (640 x 480)/QVGA (320 x 240)							
Mode	MPEG-4: VGA (640 x 480)/QVGA (320 x	x 240), up to 12.5 fps						
Partial Scanning	MPEG-4: VGA (640 x 480)/QVGA (320 x JPEG: 960 x 720/VGA (640 x 480)/QVG	x 240), up to 12.5 fps A (320 x 240)						
Partial Scanning Mode	MPEG-4: VGA (640 x 480)/QVGA (320 x	x 240), up to 12.5 fps A (320 x 240)						
Partial Scanning Mode Image Compression Method	MPEG-4: VGA (640 x 480)/QVGA (320 x JPEG: 960 x 720/VGA (640 x 480)/QVG MPEG-4: VGA (640 x 480)/QVGA (320 x	x 240), up to 12.5 fps A (320 x 240) x 240), up to 25 fps						
Partial Scanning Mode	MPEG-4: VGA (640 x 480)/QVGA (320 : JPEG: 960 x 720/VGA (640 x 480)/QVG MPEG-4: VGA (640 x 480)/QVGA (320 : Image quality: 0 SUPER FINE/1 FINE/2/3/	x 240), up to 12.5 fps A (320 x 240) x 240), up to 25 fps						
Partial Scanning Mode Image Compression Method JPEG	MPEG-4: VGA (640 x 480)/QVGA (320 : JPEG: 960 x 720/VGA (640 x 480)/QVG MPEG-4: VGA (640 x 480)/QVGA (320 : Image quality: 0 SUPER FINE/1 FINE/2/3/ Transmission type: PULL/PUSH	x 240), up to 12.5 fps IA (320 x 240) x 240), up to 25 fps I/4/5 NORMAL/6/7/8/9 LOW (10 steps: 0-9)						
Partial Scanning Mode Image Compression Method	MPEG-4: VGA (640 x 480)/QVGA (320 : JPEG: 960 x 720/VGA (640 x 480)/QVG MPEG-4: VGA (640 x 480)/QVGA (320 : Image quality: 0 SUPER FINE/1 FINE/2/3/Transmission type: PULL/PUSH Image quality: LOW/NORMAL/FINE Tra	x 240), up to 12.5 fps (A (320 x 240) x 240), up to 25 fps (A/5 NORMAL/6/7/8/9 LOW (10 steps: 0-9) ansmission type: UNICAST/MULTICAST						
Partial Scanning Mode Image Compression Method JPEG	MPEG-4: VGA (640 x 480)/QVGA (320 : JPEG: 960 x 720/VGA (640 x 480)/QVG MPEG-4: VGA (640 x 480)/QVGA (320 : Image quality: 0 SUPER FINE/1 FINE/2/3/ Transmission type: PULL/PUSH Image quality: LOW/NORMAL/FINE Transmission type: PULL/PUSH Image quality: PULL/PU	x 240), up to 12.5 fps A (320 x 240) x 240), up to 25 fps A/5 NORMAL/6/7/8/9 LOW (10 steps: 0-9) ansmission type: UNICAST/MULTICAST bps/1,536 kbps/2,048 kbps/3,072 kbps/4,096 kbp						
Partial Scanning Mode Image Compression Method JPEG	MPEG-4: VGA (640 x 480)/QVGA (320 : JPEG: 960 x 720/VGA (640 x 480)/QVG MPEG-4: VGA (640 x 480)/QVGA (320 : Image quality: 0 SUPER FINE/1 FINE/2/3/Transmission type: PULL/PUSH Image quality: LOW/NORMAL/FINE Tra	x 240), up to 12.5 fps A (320 x 240) x 240), up to 25 fps A/5 NORMAL/6/7/8/9 LOW (10 steps: 0-9) ansmission type: UNICAST/MULTICAST bps/1,536 kbps/2,048 kbps/3,072 kbps/4,096 kbp						
Partial Scanning Mode Image Compression Method JPEG MPEG-4 Refresh Interval (JPEG)	MPEG-4: VGA (640 x 480)/QVGA (320 : JPEG: 960 x 720/VGA (640 x 480)/QVG MPEG-4: VGA (640 x 480)/QVGA (320 : Image quality: 0 SUPER FINE/1 FINE/2/3/ Transmission type: PULL/PUSH Image quality: LOW/NORMAL/FINE Trans. bit rate: 64 kbps/128 kbps/256 kbps/1,024 ki	x 240), up to 12.5 fps A (320 x 240) x 240), up to 25 fps A/5 NORMAL/6/7/8/9 LOW (10 steps: 0-9) ansmission type: UNICAST/MULTICAST bps/1,536 kbps/2,048 kbps/3,072 kbps/4,096 kbp						
Partial Scanning Mode Image Compression Method JPEG MPEG-4	MPEG-4: VGA (640 x 480)/QVGA (320 : JPEG: 960 x 720/VGA (640 x 480)/QVG MPEG-4: VGA (640 x 480)/QVGA (320 : Image quality: 0 SUPER FINE/1 FINE/2/3/ Transmission type: PULL/PUSH Image quality: LOW/NORMAL/FINE Trans. bit rate: 64 kbps/128 kbps/256 kbps/1,024 ki	x 240), up to 12.5 fps (A (320 x 240) x 240), up to 25 fps (4/5 NORMAL/6/7/8/9 LOW (10 steps: 0-9) ansmission type: UNICAST/MULTICAST bps/1,536 kbps/2,048 kbps/3,072 kbps/4,096 kbps d when operating both JPEG and MPEG images.)						
Partial Scanning Mode Image Compression Method JPEG MPEG-4 Refresh Interval (JPEG) Audio Compression Method	MPEG-4: VGA (640 x 480)/QVGA (320 : JPEG: 960 x 720/VGA (640 x 480)/QVG MPEG-4: VGA (640 x 480)/QVGA (320 : Image quality: 0 SUPER FINE/1 FINE/2/3/Transmission type: PULL/PUSH Image quality: LOW/NORMAL/FINE Transmission type: PULL/PUSH Image quality: PULL/PUSH Image	x 240), up to 12.5 fps A (320 x 240) x 240), up to 25 fps A/5 NORMAL/6/7/8/9 LOW (10 steps: 0-9) ansmission type: UNICAST/MULTICAST bps/1,536 kbps/2,048 kbps/3,072 kbps/4,096 kbp: d when operating both JPEG and MPEG images.) bps/2,048 kbps/4,096 kbps/10 Mbps/Unlimited						
Partial Scanning Mode Image Compression Method JPEG MPEG-4 Refresh Interval (JPEG) Audio Compression Method Bandwidth Control	MPEG-4: VGA (640 x 480)/QVGA (320 : JPEG: 960 x 720/VGA (640 x 480)/QVG MPEG-4: VGA (640 x 480)/QVGA (320 : Image quality: 0 SUPER FINE/1 FINE/2/3/Transmission type: PULL/PUSH Image quality: LOW/NORMAL/FINE Trawar transport (34 kbps/128 kbps/256 kbps/1,024 kl 0.1 fps - 25 fps (Frame rate of JPEG will be limited G.726 (ADPCM) 32 kbps/64 kbps 64 kbps/128 kbps/256 kbps/1,024 kt 64 kbps/128 kbps/256 kbps/1,024 kt 64 kbps/1,024 kt 64 kbps/1,024 kt 64	x 240), up to 12.5 fps A (320 x 240) x 240), up to 25 fps A/5 NORMAL/6/7/8/9 LOW (10 steps: 0-9) Commission type: UNICAST/MULTICAST bps/1,536 kbps/2,048 kbps/3,072 kbps/4,096 kbps/d when operating both JPEG and MPEG images.) Comps/2,048 kbps/4,096 kbps/10 Mbps/Unlimited						
Partial Scanning Mode Image Compression Method JPEG MPEG-4 Refresh Interval (JPEG) Audio Compression Method Bandwidth Control Protocol	MPEG-4: VGA (640 x 480)/QVGA (320 : JPEG: 960 x 720/VGA (640 x 480)/QVGA (320 : MPEG-4: VGA (640 x 480)/QVGA (320 : Image quality: 0 SUPER FINE/1 FINE/2/3/Transmission type: PULL/PUSH Image quality: LOW/NORMAL/FINE Trams. bit rate: 64 kbps/128 kbps/256 kbps/1,024 kit 0.1 fps - 25 fps (Frame rate of JPEG will be limite G.726 (ADPCM) 32 kbps/64 kbps 64 kbps/128 kbps/256 kbps/512 kbps/1,024 kt TCP/IP, UDP/IP, HTTP, FTP, FTP, SMT Microsoft® Windows® 2000 Professional SP4,	x 240), up to 12.5 fps A (320 x 240) x 240), up to 25 fps A/5 NORMAL/6/7/8/9 LOW (10 steps: 0-9) Commission type: UNICAST/MULTICAST bps/1,536 kbps/2,048 kbps/3,072 kbps/4,096 kbp: d when operating both JPEG and MPEG images. Comps/2,048 kbps/4,096 kbps/10 Mbps/Unlimited						
Partial Scanning Mode Image Compression Method JPEG MPEG-4 Refresh Interval (JPEG) Audio Compression Method Bandwidth Control Protocol	MPEG-4: VGA (640 x 480)/QVGA (320 : JPEG: 960 x 720/VGA (640 x 480)/QVGA (320 : MPEG-4: VGA (640 x 480)/QVGA (320 : Image quality: 0 SUPER FINE/1 FINE/2/3/Transmission type: PULL/PUSH Image quality: LOW/NORMAL/FINE TraMax. bit rate: 64 kbps/1/28 kbps/256 kbps/1,024 kl 0.1 fps - 25 fps (Frame rate of JPEG will be limite G.726 (ADPCM) 32 kbps/64 kbps 64 kbps/1/28 kbps/256 kbps/1,024 kt TCP/IP, UDP/IP, HTTP, RTP, FTP, SMT	x 240), up to 12.5 fps A (320 x 240) x 240), up to 25 fps A/5 NORMAL/6/7/8/9 LOW (10 steps: 0-9) Commission type: UNICAST/MULTICAST bps/1,536 kbps/2,048 kbps/3,072 kbps/4,096 kbp: d when operating both JPEG and MPEG images. Comps/2,048 kbps/4,096 kbps/10 Mbps/Unlimited						
Partial Scanning Mode Image Compression Method JPEG MPEG-4 Refresh Interval (JPEG) Audio Compression Method Bandwidth Control Protocol OS	MPEG-4: VGA (640 x 480)/QVGA (320 : JPEG: 960 x 720/VGA (640 x 480)/QVGA (320 : JPEG: 960 x 720/VGA (640 x 480)/QVGA (320 : MPEG-4: VGA (640 x 480)/QVGA (320 : Image quality: OSUPER FINE/1 FINE/2/3/Transmission type: PULL/PUSH Image quality: LOW/NORMAL/FINE Tradiana. Tradiana	x 240), up to 12.5 fps A (320 x 240) x 240), up to 25 fps A/5 NORMAL/6/7/8/9 LOW (10 steps: 0-9) Commission type: UNICAST/MULTICAST bps/1,536 kbps/2,048 kbps/3,072 kbps/4,096 kbp: d when operating both JPEG and MPEG images. Comps/2,048 kbps/4,096 kbps/10 Mbps/Unlimited						
Partial Scanning Mode Image Compression Method JPEG MPEG-4 Refresh Interval (JPEG) Audio Compression Method Bandwidth Control Protocol OS Web Browser Maximum Concurrent	MPEG-4: VGA (640 x 480)/QVGA (320 : JPEG: 960 x 720/VGA (640 x 480)/QVGA (320 : MPEG-4: VGA (640 x 480)/QVGA (320 : Image quality: 0 SUPER FINE/1 FINE/2/3/Transmission type: PULL/PUSH Image quality: LOW/NORMAL/FINE Transmission type: Quality: Log-10 transmission type: Quality: Qual	x 240), up to 12.5 fps A (320 x 240) x 240), up to 25 fps A/5 NORMAL/6/7/8/9 LOW (10 steps: 0-9) Commission type: UNICAST/MULTICAST bps/1,536 kbps/2,048 kbps/3,072 kbps/4,096 kbp: d when operating both JPEG and MPEG images. Comps/2,048 kbps/4,096 kbps/10 Mbps/Unlimited						
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Partial Scanning Mode Image Compression Method JPEG MPEG-4 Refresh Interval (JPEG) Audio Compression Method Bandwidth Control Protocol OS Web Browser Maximum Concurrent	MPEG-4: VGA (640 x 480)/QVGA (320 : JPEG: 960 x 720/VGA (640 x 480)/QVGA (320 : JPEG: 960 x 720/VGA (640 x 480)/QVGA (320 : MPEG-4: VGA (640 x 480)/QVGA (320 : Image quality: 0 SUPER FINE/1 FINE/2/3/Transmission type: PULL/PUSH Image quality: LOW/NORMAL/FINE Transa. bit rate: 64 kbps/128 kbps/266 kbps/1,024 kt 0.1 fps - 25 fps (Frame rate of JPEG will be limited G.726 (ADPCM) 32 kbps/64 kbps 64 kbps/128 kbps/266 kbps/1024 kt TCP/IP, UDP/IP, HTTP, RTP, FTP, SMT Microsoft® Windows® XP Professional SP4, Microsoft® Windows® XP Professional SP2 Internet Explorer 6.0 Service Pack2 8 (Depends on network conditions.)	x 240), up to 12.5 fps A (320 x 240), up to 25 fps A (320 x 240), up to 25 fps A (360 x 240), up to						
Partial Scanning Mode Image Compression Method JPEG MPEG-4 Refresh Interval (JPEG) Audio Compression Method Bandwidth Control Protocol OS Web Browser Maximum Concurrent Access Number	MPEG-4: VGA (640 x 480)/QVGA (320 : JPEG: 960 x 720/VGA (640 x 480)/QVGA (320 : JPEG: 960 x 720/VGA (640 x 480)/QVGA (320 : MPEG-4: VGA (640 x 480)/QVGA (320 : Image quality: 0 SUPER FINE/1 FINE/2/3/Transmission type: PULL/PUSH Image quality: LOW/NORMAL/FINE Trans. bit rate: 64 kbps/128 kbps/256 kbps/1,024 kit 0.1 fps - 25 fps (Frame rate of JPEG will be limite G.726 (ADPCM) 32 kbps/64 kbps/164 kbps/128 kbps/256 kbps/512 kbps/1,024 kit TCP/IP, UDP/IP, HTTP, FTP, FTP, SMT Microsoft® Windows® 2000 Professional SP4, Microsoft® Windows® XP Professional SP2 Internet Explorer 6.0 Service Pack2 8 (Depends on network conditions.)	x 240), up to 12.5 fps A (320 x 240) x 240), up to 25 fps A (320 x 240) x 240), up to 25 fps A (5 NORMAL/6/7/8/9 LOW (10 steps: 0-9) ansmission type: UNICAST/MULTICAST bps/1,536 kbps/2,048 kbps/3,072 kbps/4,096 kbp d when operating both JPEG and MPEG images.) ops/2,048 kbps/4,096 kbps/10 Mbps/Unlimited TP, DHCP, DNS, DDNS, NTP, SNMP Microsoft® Windows® XP Home Edition SP2, other transmission optional SD memory card is available.)						

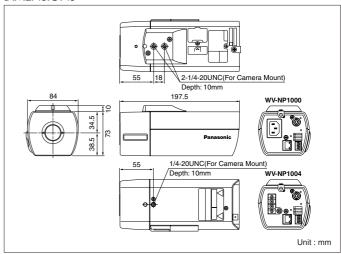
SPECIFICATIONS: WV-LZA62/2

Focal Length	2.8 - 6 mm	Angular Field of View	H: 47.9° (Tele) 99.6° (Wide) V: 35.6° (Tele) 72.9° (Wide)
Aperture	F1.4 (Wide) to F176, close	Minimum Object Distance	1.2 m - ∞
Ratio	F2.1 (Tele) to F176, close	Mount	Special C-Mount
Iris Type	Automatic	Weight	118 g
Image Size	4.8 (H) x 3.6 (V) mm (ø6 mm)	Dimensions (W x H x D)	64 x 60 x 60.9 mm

MAJOR OPERATING CONTROLS & TERMINALS



DIMENSIONS



OPTIONAL COMPONENTS & ACCESSORIES



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