









i-PRO Network Camera Lineup Chart









		HD 720p	HD 720p	HD 720p	HD 720p	HD 720p	HD 1080p
							
Model		WV-SW396	WV-SW395	WV-SC386	WV-SC385	WV-SC384	WV-SF549
Camera Type		1.3 MP Outdoor PTZ (Continuous 360°)	1.3 MP Outdoor PTZ (360° w/ auto flip)	1.3 MP Indoor PTZ (Continuous 360°)	1.3 MP Indoor PTZ (360° w/ auto flip)	1.3 MP Indoor PTZ (360° w/ auto flip)	3.0 MP (JPEG)/2.0 MP (H.264) indoor vandal dome
Super Dynamic		Mega Super Dynamic	Mega Super Dynamic	Mega Super Dynamic	Mega Super Dynamic	WDR (8x) *1	Mega Super Dynamic
Imaging Device		1/4" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/4" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan
Video Compression		H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 JPEG
Day/Night		Yes	Yes	Yes	Yes	Yes	Yes
Removable IR (D&N)		Yes	Yes	Yes	Yes	No	Yes
Auto Back Focus		Auto Focus	Auto Focus	Auto Focus	Auto Focus	Auto Focus	Yes (Lens ABF)
VIQS		No	No	No	No	No	Yes (2 areas)
Minimum Illumination	Color	0.5 lux	0.5 lux	0.5 lux	0.5 lux	0.6 lux	0.5 lux
	B/W	0.06 lux	0.06 lux	0.06 lux	0.06 lux	0.5 lux	0.06 lux
fps JPEG		30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)	15fps (2048 x 1536) 30fps (1920 x 1080)
fps MPEG-4		30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	-
fps H.264		30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1920 x 1080) 30fps (1280 x 960)
Audio Capability		2-way	2-way	2-way	2-way	2-way	2-way
SD Memory Card Slot		Yes (SDHC)	Yes (SDHC)	Yes (SDHC)	Yes (SDHC)	Yes (SDHC)	Yes (SDXC)
SD Card Recording		30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)
Lens Type		3.3mm~119mm	4.7mm~84.6mm	3.3mm~119mm	4.7mm~84.6mm	4.7mm~84.6mm	3.6x vari-focal 2.8mm ~ 10.0mm
Zoom		36x (1.3MP) optical 72x (VGA) EX zoom 12x electric	18x (1.3MP) optical 36x (VGA) EX optical 12x electric	36x (1.3MP) optical 72x (VGA) EX zoom 12x electric	18x (1.3MP) optical 36x (VGA) EX optical 12x electric	18x (1.3MP) optical 36x (VGA) EX optical 8x electric	3.6x optical 7.2x (VGA) EX optical 4x electric
Network		10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6
Power		24VAC PoE+ (IEEE802.3at)	24VAC PoE+ (IEEE802.3at)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC, PoE (IEEE802.3af)
Alarm In-/Outputs		2/1	2/1	2/1	2/1	2/1	2/1
Max Power Consumption		24W (PoE+) 43W (AC)	24W (PoE+) 43W (AC)	12W (PoE) 1000mA (DC)	12W (PoE) 1000mA (DC)	10W (PoE) 690mA (DC)	6.0W (PoE) 570mA (DC)
Operating Temperature		-58°F~-131°F (24VAC) -22°F~-131°F (PoE+)	-40°F~-122°F (24VAC) -30°F~-122°F (PoE+)	14°F~-122°F	14°F~-122°F	14°F~-122°F	14°F ~ 122°F
Mobile Phone Support*2		JPEG PTZ/AUX Control	JPEG PTZ/AUX Control	JPEG PTZ/AUX Control	JPEG PTZ/AUX Control	JPEG PTZ/AUX Control	JPEG
Security		ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS
Other Key Features		Advanced Auto Tracking Drag and Zoom Image Stabilizer Face Detection Face Mega SD IP66	Auto Tracking Drag and Zoom Image Stabilizer Face Detection Face Mega SD IP66	Advanced Auto Tracking Drag and Zoom Image Stabilizer Face Detection Face Mega SD	Auto Tracking Drag and Zoom Image Stabilizer Face Detection Face Mega SD	Drag and Zoom Image Stabilizer Face Detection Face WDR	Face Detection Face Mega SD IK10

*1: WDR (Wide Dynamic Range) *2: See the supported mobile phones on the Panasonic web site

i-PRO Network Camera Lineup Chart



		HD 1080p	HD 1080p	HD 1080p	HD 720p	HD 720p	
							
Model		WV-SF548	WV-SF539	WV-SF538	WV-SF336	WV-SF335	WV-SF332
Camera Type		3.0 MP (JPEG)/2.0 MP (H.264) indoor vandal dome	3.0 MP (JPEG)/2.0 MP (H.264) indoor dome	3.0 MP (JPEG)/2.0 MP (H.264) indoor dome	1.3 MP Indoor dome	1.3 MP Indoor dome	800x600 Indoor dome
Super Dynamic		Mega Super Dynamic	Mega Super Dynamic	Mega Super Dynamic	WDR (8x)*1	WDR (8x)*1	WDR (8x)*1
Imaging Device		1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan
Video Compression		H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG
Day/Night		Yes	Yes	Yes	Yes	Yes	Yes
Removable IR (D&N)		No	Yes	No	No	No	No
Auto Back Focus		Yes (Lens ABF)	Yes (Lens ABF)	Yes (Lens ABF)	Yes (Lens ABF)	Yes (Focus Assist)	Yes (Focus Assist)
VIQS		Yes (2 areas)	Yes (2 areas)	Yes (2 areas)	Yes	Yes	Yes
Minimum Illumination	Color	0.5 lux	0.5 lux	0.5 lux	0.3 lux	0.3 lux	0.2 lux
	B/W	0.3 lux	0.06 lux	0.3 lux	0.2 lux	0.2 lux	0.13 lux
fps JPEG		15fps (2048 x 1536) 30fps (1920 x 1080)	15fps (2048 x 1536) 30fps (1920 x 1080)	15fps (2048 x 1536) 30fps (1920 x 1080)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (800 x 600)
fps MPEG-4		-	-	-	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)
fps H.264		30fps (1920 x 1080) 30fps (1280 x 960)	30fps (1920 x 1080) 30fps (1280 x 960)	30fps (1920 x 1080) 30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (800 x 600)
Audio Capability		No	2-way	No	2-way	2-way	2-way
SD Memory Card Slot		No	Yes (SDXC)	No	Yes (SDHC)	Yes (SDHC)	Yes (SDHC)
SD Card Recording		30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)
Lens Type		3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm
Zoom		3.6x optical 7.2x (VGA) EX optical 4x electric	3.6x optical 7.2x (VGA) EX optical 4x electric	3.6x optical 7.2x (VGA) EX optical 4x electric	3.6x optical 4x electric	3.6x optical 4x electric	3.6x optical 4x electric
Network		10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6
Power		12VDC, PoE (IEEE802.3af)	12VDC, PoE (IEEE802.3af)	12VDC, PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)
Alarm In-/Outputs		1/1	2/1	1/1	1/1	1/1	1/1
Max Power Consumption		5.8W (PoE) 550mA (DC)	6.0W (PoE) 570mA (DC)	5.8W (PoE) 550mA (DC)	4.2W (PoE) 320mA (DC)	3.5W (PoE) 280mA (DC)	3.5W (PoE) 280mA (DC)
Operating Temperature		14°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F
Mobile Phone Support ²		JPEG	JPEG	JPEG	JPEG	JPEG	JPEG
Security		ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication	ID/PWD Host Authentication	ID/PWD Host Authentication
Other Key Features		Face Detection Face Mega SD IK10	Face Detection Face Mega SD	Face Detection Face Mega SD	Face Detection Face WDR	Face Detection Face WDR	Face Detection Face WDR

*1: WDR (Wide Dynamic Range) *2: See the supported mobile phones on the Panasonic web site *3: Heater optional *4: ABS (Adaptive Black Stretch)

i-PRO Network Camera Lineup Chart










		HD 720p		HD 1080p		HD 1080p		HD 1080p		HD 720p	
Model		WV-SF135	WV-SF132	WV-SW559	WV-SW558	WV-SW559	WV-SW558	WV-SW559	WV-SW558	WV-SW559	WV-SW355
Camera Type		1.3 MP Indoor dome	VGA Indoor dome	3.0 MP (JPEG)/2.0 MP (H.264) Outdoor vandal dome	3.0 MP (JPEG)/2.0 MP (H.264) Outdoor vandal dome	3.0 MP (JPEG)/2.0 MP (H.264) Outdoor vandal dome	3.0 MP (JPEG)/2.0 MP (H.264) Outdoor vandal dome	3.0 MP (JPEG)/2.0 MP (H.264) Outdoor vandal dome	3.0 MP (JPEG)/2.0 MP (H.264) Outdoor vandal dome	3.0 MP (JPEG)/2.0 MP (H.264) Outdoor vandal dome	1.3 MP Outdoor vandal dome
Super Dynamic		No	No	Mega Super Dynamic	Mega Super Dynamic	Mega Super Dynamic	Mega Super Dynamic	Mega Super Dynamic	Mega Super Dynamic	Mega Super Dynamic	Mega Super Dynamic
Imaging Device		1/3" MOS Sensor Progressive Scan	1/5" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan
Video Compression		H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG
Day/Night		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Removable IR (D&N)		No	No	Yes	No	Yes	No	Yes	Yes	Yes	Yes
Auto Back Focus		No	No	Yes (Lens ABF)	Yes (Lens ABF)	Yes (Lens ABF)	Yes (Lens ABF)	Yes	Yes	Yes	Yes (Lens ABF)
VIQS		Yes	Yes	Yes (2 areas)	Yes (2 areas)	Yes (2 areas)	Yes (2 areas)	Yes	Yes	Yes	Yes
Minimum Illumination	Color	0.8 lux	2.0 lux	0.5 lux	0.5 lux	0.5 lux	0.5 lux	3MP: 2.0 lux 1.3MP: 1.0 lux	3MP: 2.0 lux 1.3MP: 1.0 lux	3MP: 2.0 lux 1.3MP: 1.0 lux	0.3 lux
	B/W	0.6 lux	1.3 lux	0.06 lux	0.3 lux	0.3 lux	0.3 lux	3MP: 0.16 lux 1.3MP: 0.08 lux	3MP: 0.16 lux 1.3MP: 0.08 lux	3MP: 0.16 lux 1.3MP: 0.08 lux	0.05 lux
fps JPEG		30fps (1280 x 960)	30fps (640 x 480)	15fps (2048 x 1536) 30fps (1920 x 1080)	15fps (2048 x 1536) 30fps (1920 x 1080)	15fps (2048 x 1536) 30fps (1920 x 1080)	15fps (2048 x 1536) 30fps (1920 x 1080)	5fps (2048 x 1536) 30fps (1280 x 960)	5fps (2048 x 1536) 30fps (1280 x 960)	5fps (2048 x 1536) 30fps (1280 x 960)	30fps (1280 x 960)
fps MPEG-4		-	-	-	-	-	-	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)
fps H.264		30fps (1280 x 960)	30fps (640 x 480)	30fps (1920 x 1080) 30fps (1280 x 960)	30fps (1920 x 1080) 30fps (1280 x 960)	30fps (1920 x 1080) 30fps (1280 x 960)	30fps (1920 x 1080) 30fps (1280 x 960)	15fps (1920 x 1080) 30fps (1280 x 960)	15fps (1920 x 1080) 30fps (1280 x 960)	15fps (1920 x 1080) 30fps (1280 x 960)	30fps (1280 x 960)
Audio Capability		No	No	2-way	No	2-way	No	2-way	2-way	2-way	2-way
SD Memory Card Slot		No	No	Yes (SDXC)	No	Yes (SDXC)	No	Yes (SDHC)	Yes (SDHC)	Yes (SDHC)	Yes (SDHC)
SD Card Recording		No	No	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)
Lens Type		Fixed focal length 1.95mm	Fixed focal length 1.95mm	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	2.8x vari-focal 2.8mm~8.0mm	2.8x vari-focal 2.8mm~8.0mm	2.8x vari-focal 2.8mm~8.0mm	3.6x vari-focal 2.8mm ~ 10.0mm
Zoom		2x (VGA) Ex zoom	-	3.6x optical 7.2x (VGA) EX optical 4x electric	3.6x optical 7.2x (VGA) EX optical 4x electric	3.6x optical 7.2x (VGA) EX optical 4x electric	3.6x optical 7.2x (VGA) EX optical 4x electric	2.8x optical 4x electric	2.8x optical 4x electric	2.8x optical 4x electric	3.6x optical 7.2x (VGA) EX optical 4x electric
Network		10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6
Power		PoE (IEEE802.3af)	PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)
Alarm In-/Outputs		No	No	2/1	1/1	2/1	1/1	2/1	2/1	2/1	1/1
Max Power Consumption		2.6W (PoE)	2.2W (PoE)	8.6W (PoE) 850mA (DC)	8.6W (PoE) 850mA (DC)	8.6W (PoE) 850mA (DC)	8.4W (PoE) 830mA (DC)	7.6W (PoE) 630mA (DC)	7.6W (PoE) 630mA (DC)	7.6W (PoE) 630mA (DC)	11.5W (PoE) 1.1 A (DC)
Operating Temperature		32°F ~ 104°F	32°F ~ 104°F	-40°F ~ 122°F	-40°F ~ 122°F	-40°F ~ 122°F	-40°F ~ 122°F	-22°F~122°F	-22°F~122°F	-22°F~122°F	-22°F ~ 122°F
Mobile Phone Support ²		JPEG	JPEG	JPEG	JPEG	JPEG	JPEG	No	No	No	JPEG
Security		ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication	ID/PWD Host Authentication	ID/PWD Host Authentication	ID/PWD Host Authentication HTTPS
Other Key Features		Face Detection ABS ⁴	Face Detection ABS ⁴	Face Detection Face Mega SD Dehumidification Device 2 area VIQS IP66	Face Detection Face Mega SD Dehumidification Device 2 area VIQS IP66	Face Detection Face Mega SD Dehumidification Device IP66	Face Detection Face Mega SD Dehumidification Device IP66	Face Detection Face Mega SD Dehumidification Device IP66	Face Detection Face Mega SD Dehumidification Device IP66	Face Detection Face Mega SD Dehumidification Device IP66	Face Detection Face Mega SD Dehumidification Device Heater PoE ³ IP66

*1: WDR (Wide Dynamic Range) *2: See the supported mobile phones on the Panasonic web site *3: Heater optional *4: ABS (Adaptive Black Stretch)

i-PRO Network Camera Lineup Chart










		HD 720p			HD 720p	HD 720p	HD 720p
							
Model		WV-SW352	WV-SF346	WV-SF342	WV-SW316L	WV-SW316	WV-SW314
Camera Type		800x600 Outdoor vandal dome	1.3 MP Indoor vandal dome	800x600 Indoor vandal dome	1.3 MP Outdoor Box	1.3 MP Outdoor Box	1.3 MP Outdoor Box
Super Dynamic		Super Dynamic	WDR (8x)*1	WDR (8x)*1	Mega Super Dynamic	Mega Super Dynamic	Mega Super Dynamic
Imaging Device		1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan
Video Compression		H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG
Day/Night		Yes	Yes	Yes	Yes	Yes	Yes
Removable IR (D&N)		Yes	No	No	Yes	Yes	No
Auto Back Focus		Yes (Lens ABF)	Yes (Lens ABF)	Yes (Focus Assist)	Yes (Lens ABF)	Yes (Lens ABF)	No
VIQS		Yes	Yes	Yes	Yes	Yes	Yes
Minimum Illumination	Color	0.2 lux	0.3 lux	0.2 lux	0.3 lux	0.3 lux	0.3 lux
	B/W	0.04 lux	0.2 lux	0.13 lux	0.0 lux	0.05 lux	0.2 lux
fps JPEG		30fps (800 x 600)	30fps (1280 x 960)	30fps (800 x 600)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)
fps MPEG-4		30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)
fps H.264		30fps (800 x 600)	30fps (1280 x 960)	30fps (800 x 600)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)
Audio Capability		2-way	2-way	2-way	2-way	2-way	No
SD Memory Card Slot		Yes (SDHC)	Yes (SDHC)	Yes (SDHC)	Yes (SDHC)	Yes (SDHC)	No
SD Card Recording		30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	No
Lens Type		3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	3.2x vari-focal 3.1mm ~ 10.0mm	3.2x vari-focal 3.1mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm
Zoom		3.6x optical 7.2x (VGA) EX optical 4x electric	3.6x optical 4x electric	3.6x optical 4x electric	3.2x optical 6.4x (VGA) EX optical 4x electric	3.2x optical 6.4x (VGA) EX optical 4x electric	3.6x optical 7.2x (VGA) EX optical 4x electric
Network		10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6
Power		12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	PoE (IEEE802.3af)
Alarm In-/Outputs		1/1	1/1	1/1	1/1	1/1	No
Max Power Consumption		11.5W (PoE) 1.1 A (DC)	4.2W (PoE) 320mA (DC)	4.2W (PoE) 320mA (DC)	9.6W (PoE) 850mA (DC)	9.6W (PoE) 850mA (DC)	3.4W (PoE)
Operating Temperature		-22°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F	-40°F ~ 122°F	-40°F ~ 122°F	14°F ~ 122°F
Mobile Phone Support ²		JPEG	JPEG	JPEG	JPEG	JPEG	JPEG
Security		ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication	ID/PWD Host Authentication	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS
Other Key Features		Face Detection Dehumidification Device Heater PoE ^{3,4} IP66 Face Super Dynamic	Face Detection Face WDR IK10	Face Detection Face WDR IK10	Face Detection Face Mega SD Dehumidification Device IP66	Face Detection Face Mega SD Dehumidification Device IP66	Face Detection Face Super Dynamic IP66

*1: WDR (Wide Dynamic Range) *2: See the supported mobile phones on the Panasonic web site *3: Heater optional *4: ABS (Adaptive Black Stretch)





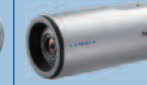


i-PRO Network Camera Lineup Chart



		HD 720p		HD 720p		HD 1080p		
								
		SmartHD i-PRO	SmartHD i-PRO	SmartHD i-PRO	SmartHD i-PRO	SmartHD i-PRO	SmartHD i-PRO	SmartHD i-PRO
Model		WV-SW175	WV-SW172	WV-SW174W	WV-SW155	WV-SW152	WV-SP509	WV-SP508
Camera Type		1.3 MP Outdoor Pan-Tilt	1.3 MP Outdoor Pan-Tilt (800 x 600)	1.3 MP Outdoor Pan-Tilt	1.3 MP Outdoor vandal dome	800x600 Outdoor vandal dome	3.0 MP (JPEG)/ 2.0 MP (H.264) Box	3.0 MP (JPEG)/ 2.0 MP (H.264) Box
Super Dynamic		No	No	No	Mega Super Dynamic	Super Dynamic	Mega Super Dynamic	Mega Super Dynamic
Imaging Device		1/4" MOS Sensor Progressive Scan	1/4" MOS Sensor Progressive Scan	1/4" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan
Video Compression		H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 JPEG
Day/Night		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Removable IR (D&N)		No	No	No	No	No	Yes	No
Auto Back Focus		No	No	No	No	No	Yes (Lens ABF)	Yes (Lens ABF)
VIQS		No	No	No	Yes	Yes	Yes (2 areas)	Yes (2 areas)
Minimum Illumination	Color	0.6 lux	0.6 lux	0.6 lux	0.8 lux	0.6 lux	0.5 lux	0.5 lux
	B/W	0.5 lux	0.5 lux	0.5 lux	0.6 lux	0.4 lux	0.06 lux	0.06 lux
fps JPEG		30fps (1280 x 960)	30fps (800 x 600)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (800 x 600)	15fps (2048 x 1536)	15fps (2048 x 1536)
fps MPEG-4		30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	-	-	-	-
fps H.264		30fps (1280 x 960)	30fps (800 x 600)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (800 x 600)	30fps (1920 x 1080)	30fps (1920 x 1080)
Audio Capability		2-way	2-way	2-way	No	No	2-way	No
SD Memory Card Slot		Yes (SDHC)	Yes (SDHC)	No	Yes (SDHC)	Yes (SDHC)	Yes (SDXC)	No
SD Card Recording		30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)
Lens Type		Fixed focal length 1.95mm	Fixed focal length 1.95mm	Fixed focal length 1.95mm	Fixed focal length 1.95mm	Fixed focal length 1.95mm	Optional	Optional
Zoom		2x (VGA) Ex zoom	2x (VGA) Ex zoom	2x (VGA) Ex zoom	2x (VGA) Ex zoom	2x (VGA) Ex zoom	4x electric	4x electric
Network		10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6
Power		12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	PoE (IEEE802.3af)	PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)
Alarm In-/Outputs		2/1	2/1	2/1	No	No	2/1	1/1
Max Power Consumption		6.2W (PoE) 430 mA (DC)	6.2W (PoE) 430 mA (DC)	6.2W (PoE) 430 mA (DC)	2.7W (PoE)	2.7W (PoE)	6.0W (PoE) 570 mA (DC)	5.8W (PoE) 550 mA (DC)
Operating Temperature		-4°F ~ 122°F	-4°F ~ 122°F	-4°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F
Mobile Phone Support ²		JPEG	JPEG	JPEG	JPEG	JPEG	JPEG	JPEG
Security		ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS
Other Key Features		Face Detection Face WDR IP55	Face Detection Face WDR IP55	Face Detection Face WDR IP55	Face Detection Face Mega SD IP66 IK10 compatible with EN50155	Face Detection Face Mega SD IP66 IK10 compatible with EN50155	Face Detection Face Mega SD	Face Detection Face Mega SD

i-PRO Network Camera Lineup Chart










		HD 720p	HD 720p		HD 720p		HD 720p	
								
		SmartHD CVI/TVI	SmartHD CVI/TVI	SmartHD CVI/TVI	SmartHD CVI/TVI	SmartHD CVI/TVI	SmartHD CVI/TVI	SmartHD CVI/TVI
Model		WV-SP306	WV-SP305	WV-SP302	WV-SP105	WV-SP102	WV-ST165	WV-ST162
Camera Type		1.3 MP Box	1.3 MP Box	800x600 Box	1.3 MP Box	1.3 MP Box (VGA)	1.3 MP Indoor Pan-Tilt	1.3 MP Indoor Pan-Tilt (800 x 600)
Super Dynamic		WDR (8x)*1	WDR (8x)*1	WDR (8x)*1	No	No	No	No
Imaging Device		1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/5" MOS Sensor Progressive Scan	1/4" MOS Sensor Progressive Scan	1/4" MOS Sensor Progressive Scan
Video Compression		H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 JPEG
Day/Night		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Removable IR (D&N)		Yes	No	No	No	No	No	No
Auto Back Focus		Yes (Lens ABF)	Yes (Focus Assist)	Yes (Focus Assist)	No	No	No	No
VIQS		Yes	Yes	Yes	Yes	Yes	No	No
Minimum Illumination	Color	0.3 lux	0.3 lux	0.2 lux	0.8 lux	2.0 lux	0.6 lux	0.6 lux
	B/W	0.05 lux	0.2 lux	0.13 lux	0.4 lux	1.3 lux	0.5 lux	0.5 lux
fps JPEG		30fps (1280 x 960)	30fps (1280 x 960)	30fps (800 x 600)	30fps (1280 x 960)	30fps (640 x 480)	30fps (1280 x 960)	30fps (800 x 600)
fps MPEG-4		30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	-	-	30fps (640 x 480)	30fps (640 x 480)
fps H.264		30fps (1280 x 960)	30fps (1280 x 960)	30fps (800 x 600)	30fps (1280 x 960)	30fps (640 x 480)	30fps (1280 x 960)	30fps (800 x 600)
Audio Capability		2-way	2-way	2-way	No	No	2-way	2-way
SD Memory Card Slot		Yes (SDHC)	Yes (SDHC)	Yes (SDHC)	No	No	Yes (SDHC)	Yes (SDHC)
SD Card Recording		30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	No	No	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)
Lens Type		Optional	Optional	Optional	Fixed focal length: 3.54mm	Fixed focal length: 2.00mm	Fixed focal length: 1.95mm	Fixed focal length: 1.95mm
Zoom		4x electric	4x electric	4x electric	2x (VGA) Ex optical	No	2x (VGA) Ex zoom	2x (VGA) Ex zoom
Network		10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6
Power		12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)
Alarm In-/Outputs		1/1	1/1	1/1	No	No	2/1	2/1
Max Power Consumption		4.4W (PoE) 350 mA (DC)	3.4W (PoE) 270 mA (DC)	3.4 (PoE) 270 mA (DC)	2.8W (PoE) 200 mA (DC)	2.0W (PoE) 140 mA (DC)	6.2W (PoE) 430 mA (DC)	6.2W (PoE) 430 mA (DC)
Operating Temperature		14°F~122°F	14°F~122°F	14°F~122°F	32°F ~ 104°F	32°F ~ 104°F	32°F ~ 104°F	32°F ~ 104°F
Mobile Phone Support*2		JPEG	JPEG	JPEG	JPEG	JPEG	JPEG	JPEG
Security		ID/PWD Host Authentication	ID/PWD Host Authentication	ID/PWD Host Authentication	ID/PWD Host Authentication	ID/PWD Host Authentication	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS
Other Key Features		Face Detection Face WDR	Face Detection Face WDR	Face Detection Face WDR	ABS*4	ABS*4	Face Detection Face WDR	Face Detection Face WDR

*1: WDR (Wide Dynamic Range) *2: See the supported mobile phones on the Panasonic web site *4: ABS (Adaptive Black Stretch)







analog

PTZ and Fixed Dome Camera Lineup

							
Model		WV-CW974	WV-CW594	WV-CS584	WV-CW504S/F	WV-CW364S	WV-CW334S
Camera Type		Outdoor PTZ	Outdoor PTZ	Indoor PTZ	Outdoor Vandal	Outdoor Vandal	Outdoor Vandal
Wide Dynamic		SDIII	SD6	SD6	SD5	No	No
Imaging Device		1/4 inch	1/4 inch	1/4 inch	1/3 inch	1/3 inch	1/3 inch
Day/Night		Yes	Yes	Yes	Yes	Yes	Yes
IR sensitivity		Yes	Yes	Yes	Yes	Yes	No
Focus		Auto focus	Auto focus	Auto focus	Auto Back Focus	N/A	N/A
Min. Illumination (Color)		0.5 lux	0.5 lux	0.5 lux	0.1 lux	0.6 lux	0.6 lux
Min. Illumination (Color with sens up)		0.02 lux (32x sens up)	0.02 lux (32x sens up) 0.001 lux (512x sens up)	0.02 lux (32x sens up) 0.001 lux (512x sens up)	0.003 lux (32x sens up)	N/A	N/A
Min. Illumination (B/W)		0.04 lux	0.04 lux	0.04 lux	0.01 lux	0.05 lux	0.4 lux
Min. Illumination (B/W with sens up)		0.0013 lux (32x sens up)	0.0013 lux (32x sens up) 0.00008 lux (512x sens up)	0.0013 lux (32x sens up) 0.00008 lux (512x sens up)	0.0003 lux (32x sens up)	N/A	N/A
Horiz. Resolution		540 TV lines	650 TV lines	650 TV lines	650 TV lines	540 TV lines	540 TV lines
Focal length		3.8mm-114mm	3.3mm-119mm	3.3mm-119mm	3.8mm-8.0mm vari-focal	2.8mm-10.0mm vari-focal	2.8mm-10.0mm vari-focal
Zoom		30x optical/10x digital	36x optical/20x digital	36x optical/20x digital	2.1x optical/2x digital	3.6x optical	3.6x optical
Lens Mount		Proprietary	Proprietary	Proprietary	CS-mount	Proprietary	Proprietary
Motion Detection		Yes	Yes	Yes	i-VMD (Intelligent VMD)	No	No
On Screen Display		Yes	Yes	Yes	Yes	No	No
Image stabilization		Yes	Yes	Yes	Yes	No	No
Light Control		ALC	ALC	ALC	ALC/ALC+	ALC	ALC
IP66		Yes	Yes	No	Yes	Yes	Yes
Impact protection standard		N/A	N/A	N/A	IEC 60068-2-75: 50J	IEC 60068-2-75: 50J	IEC 60068-2-75: 50J
Power		24VAC	24VAC	24VAC	24VAC/12VDC	24VAC/12VDC	24VAC/12VDC
Power Consumption		Camera: 17W Heater: 62W	98W	4.3W	AC 3.4W (w/o Heater) AC 14W (w/ Heater) DC 280mA(w/o Heater)	AC 2.9W (w/o Heater) AC 13.1W (w/ Heater) DC 250mA(w/o Heater)	AC 2.9W (w/o Heater) AC 13.1W (w/ Heater) DC 250mA(w/o Heater)
Operating Temperature		-40° F - 122° F	-58° F-122° F	14° F - 122° F	14° F - 122° F -22° F - 122° F (w/ Heater)	14° F - 122° F -22° F - 122° F (w/ Heater)	14° F - 122° F -22° F - 122° F (w/ Heater)
Key Features		Advanced auto tracking with Pan/Tilt/Zoom Privacy zone masking	Auto tracking with Pan/Tilt Privacy zone masking	Auto tracking with Pan/Tilt Privacy zone masking	Intelligent VMD (object left behind/ removal, loitering, direction) De-humidification device	Adaptive Black Stretch	Adaptive Black Stretch







analog

Fixed Dome and Fixed Box Camera Lineup

						
Model	WV-CF504	WV-CF354	WV-CF344	WV-CW384	WV-CL934	WV-CL930
Camera Type	Indoor Minidome	Indoor Minidome	Indoor Minidome	Outdoor Fixed Box	Fixed Box	Fixed Box
Wide Dynamic	SD5	No	No	SDIII	No	No
Imaging Device	1/3 inch	1/3 inch	1/3 inch	1/3 inch	1/2 inch	1/2 inch
Day/Night	Yes	Yes (Electrical)	Yes (Electrical)	Yes	Yes	Yes
IR sensitivity	Yes	No	No	Yes	Yes	Yes
Focus	Auto Back Focus	Auto focus	N/A	Auto Back Focus	Auto Back Focus	Auto Back Focus
Min. Illumination (Color)	0.1 lux	0.08 lux	0.08 lux	0.65 lux	0.09 lux @f1.4	0.09 lux @f1.4
Min. Illumination (Color with sens up)	0.003 lux (32x sens up)	0.0025 lux (32x sens up) 0.00016 lux (512x sens up)	0.0025 lux (32x sens up) 0.00016 lux (512x sens up)	0.065 lux (10x sens up)	0.003 lux @f1.4 (32x sens up)	0.003 lux @f1.4 (32x sens up)
Min. Illumination (B/W)	0.01 lux	0.05 lux	0.05 lux	0.09 lux	0.008 lux @f1.4	0.008 lux @f1.4
Min. Illumination (B/W with sens up)	0.0003 lux (32x sens up)	0.0016 lux (32x sens up) 0.00010 lux (512x sens up)	0.0016 lux (32x sens up) 0.00010 lux (512x sens up)	0.009 lux (10x sens up)	0.0003 lux @F1.4 (32x sens up)	0.0003 lux @F1.4 (32x sens up)
Horiz. Resolution	650 TV lines	650 TV lines	650 TV lines	540 TV lines	540 TV lines	540 TV lines
Focal length	3.8mm-8.0mm vari-focal	2.8mm - 10mm vari-focal	2.8mm - 10mm vari-focal	5mm - 40mm vari-focal	Optional	Optional
Zoom	2.1x optical / 2x digital	3.6x optical / 2x digital	3.6x optical / 2x digital	2x digital	N/A	N/A
Lens Mount	CS-mount	Proprietary	Proprietary	CS-mount	CS-mount	CS-mount
Motion Detection	i-VMD (Intelligent VMD)	Yes	Yes	Yes	Yes	Yes
On Screen Display	Yes	Yes	Yes	Yes	Yes	Yes
Image stabilization	Yes	Yes	Yes	Yes	Yes	Yes
Light Control	ALC/ALC+	ALC/ALC+/ELC	ALC/ALC+/ELC	ALC	ALC/ALC+/ELC	ALC/ALC+/ELC
IP66	No	No	No	Yes	No	No
Impact protection standard	N/A	N/A	N/A	N/A	N/A	N/A
Power	24VAC/12VDC	24VAC/12VDC	24VAC/12VDC	24VAC/12VDC	24VAC/12VDC	24VAC/12VDC
Power Consumption	AC 3.4W DC 280mA	AC 2.1W DC 180mA	AC 2.1W DC 180mA	AC 18W DC 540mA	AC 4.0W DC 350mA	AC 4.6W DC 350mA
Operating Temperature	14° F - 122° F	14° F - 122° F	14° F - 122° F	-22° F - 122° F	14° F - 122° F	14° F - 122° F
Key Features	Intelligent VMD (object left behind/removal, loitering, direction)	Adaptive Black Stretch Lens Distortion Compensation	Adaptive Black Stretch Lens Distortion Compensation	Built-in fan, heater and shield	Ultra high sensitivity Adaptive digital noise reduction	Ultra high sensitivity Adaptive digital noise reduction

analog

Fixed Box Camera Lineup

						
Model	WV-CP504	WV-CP500	WV-CP314	WV-CP310	WV-CP304	WV-CP300
Camera Type	Fixed Box	Fixed Box	Fixed Box	Fixed Box	Fixed Box	Fixed Box
Wide Dynamic	SD5	SD5	No	No	No	No
Imaging Device	1/3 inch	1/3 inch	1/3 inch	1/3 inch	1/3 inch	1/3 inch
Day/Night	Yes	Yes	Yes	Yes	Yes (Electrical)	Yes (Electrical)
IR sensitivity	Yes	Yes	Yes	Yes	No	No
Focus	Auto Back Focus	Auto Back Focus	N/A	N/A	N/A	N/A
Min. Illumination (Color)	0.1 lux @f1.4	0.1 lux @f1.4	0.08 lux @f1.4	0.08 lux @f1.4	0.08 lux @f1.4	0.08 lux @f1.4
Min. Illumination (Color with sens up)	0.003 lux @f1.4 (32x sens up)	0.003 lux @f1.4 (32x sens up)	0.0025 lux (32x sens up) 0.00016 lux (512x sens up)	0.0025 lux (32x sens up) 0.00016 lux (512x sens up)	0.0025 lux (32x sens up) 0.00016 lux (512x sens up)	0.0025 lux (32x sens up) 0.00016 lux (512x sens up)
Min. Illumination (B/W)	0.01 lux @f1.4	0.01 lux @f1.4	0.008 lux @f1.4	0.008 lux @f1.4	0.05 lux @f1.4	0.05 lux @f1.4
Min. Illumination (B/W with sens up)	0.0003 lux @f1.4 (32x sens up)	0.0003 lux @f1.4 (32x sens up)	0.00025 lux (32x sens up) 0.00002 lux (512x sens up)	0.00025 lux (32x sens up) 0.00002 lux (512x sens up)	0.0016 lux (32x sens up) 0.00010 lux (512x sens up)	0.0016 lux (32x sens up) 0.00010 lux (512x sens up)
Horiz. Resolution	650 TV lines	650 TV lines	650 TV lines	650 TV lines	650 TV lines	650 TV lines
Focal length	Optional	Optional	Optional	Optional	Optional	Optional
Zoom	2x digital	2x digital	2x digital	2x digital	2x digital	2x digital
Lens Mount	CS-mount	CS-mount	CS-mount	CS-mount	CS-mount	CS-mount
Motion Detection	i-VMD (Intelligent VMD)	i-VMD (Intelligent VMD)	Yes	Yes	Yes	Yes
On Screen Display	Yes	Yes	Yes	Yes	Yes	Yes
Image stabilization	Yes	Yes	Yes	Yes	Yes	Yes
Light Control	ALC/ALC+/ELC	ALC/ALC+/ELC	ALC/ALC+/ELC	ALC/ALC+/ELC	ALC/ALC+/ELC	ALC/ALC+/ELC
IP66	No	No	No	No	No	No
Impact protection standard	N/A	N/A	N/A	N/A	N/A	N/A
Power	24VAC/12VDC	120VAC	24VAC/12VDC	120VAC	24VAC/12VDC	120VAC
Power Consumption	AC 3.6W DC 310mA	AC 3.2W DC 310mA	AC 2.1W DC 180mA	AC 2.3W DC 180mA	AC 2.1W DC 180mA	AC 2.3W DC 180mA
Operating Temperature	14° F - 122° F	14° F - 122° F	14° F - 122° F	14° F - 122° F	14° F - 122° F	14° F - 122° F
Key Features	Intelligent VMD (object left behind/removal, loitering, direction)	Intelligent VMD (object left behind/removal, loitering, direction)	Adaptive Black Stretch Lens Distortion Compensation	Adaptive Black Stretch Lens Distortion Compensation	Adaptive Black Stretch Lens Distortion Compensation	Adaptive Black Stretch Lens Distortion Compensation

i-PRO Network Video Recorders Lineup Chart

Network Video Recorders



Model	WJ-ND400	WJ-ND300A	WJ-NV200	WJ-NV200V
Supported Video Compression	H.264 / MPEG-4 / M-JPEG	H.264 / MPEG-4 / M-JPEG	H.264 / MPEG-4 / M-JPEG	H.264 / MPEG-4 / M-JPEG
Max. HDD	9 drives (internal) 54 drives (w/ external)	4 drives (internal) 28 drives (w/ external)	2 drives (internal)	1 drive (internal)
Max. Storage	27TB (internal, 3TB HDD) 162TB (w/ external, 3TB HDD)	12TB (internal, 3TB HDD) 84TB (w/ external, 3TB HDD)	6TB (internal, 3TB HDD)	3TB (internal, 3TB HDD)
Max. IP Camera	64 at H.264 2Mbps	32 at H.264 2Mbps	16 at H.264 4Mbps	16 at H.264 4Mbps
Supported Video Resolution	3MP (2048 x 1536), 1.3MP (1280 x 960), VGA (640 x 480), QVGA (320 x 240)	1.3MP (1280x960), VGA (640x480), QVGA (320x240)	1.3MP (1280x960), VGA (640x480), QVGA (320x240)	1.3MP (1280x960), VGA (640x480), QVGA (320x240)
Max. Recording Rate (Total)	Approx. 1,920fps (30 fps at 64 cameras)	Approx. 960fps (30 fps at 32 cameras)	Approx. 480fps (30 fps at 16 cameras)	Approx. 480fps (30 fps at 16 cameras)
RAID Support	RAID5/6	RAID5 Optional (WJ-NDB301)	No	No
Max. Network Bandwidth	128Mbps (Camera recording) 72Mbps (PC monitoring)	64Mbps (Camera recording) 32Mbps (PC monitoring)	64Mbps (Camera recording) 32Mbps (PC monitoring) 13Mbps (HDMI out monitoring)	64Mbps (Camera recording) 32Mbps (PC monitoring) 13Mbps (HDMI out monitoring)
Network I/F	2x 100/1000Base-T, 1x 10 Base-T	2x 10/100Base-T, 1x 10 Base-T	1x 100/1000Base-T	1x 100/1000Base-T
Supported Camera Brands	Panasonic (i-PRO & BB) ¹ AXIS (JPEG, MPEG4) ²	Panasonic (i-PRO & BB) ¹ AXIS (JPEG) ²	Panasonic (i-PRO & BB) ¹ AXIS, SONY ³	Panasonic (i-PRO & BB) ¹ AXIS, SONY ³
Alarm/Control Ports	32 terminal alarm inputs/outputs, Control/AUX	16 terminal alarm inputs/outputs, Control/AUX	9 terminal alarm inputs/outputs	9 terminal alarm inputs/outputs
RTP over HTTP (From IP cameras)	No	No	No	No
RTP over HTTP (For client monitoring)	Yes	No	Yes	Yes
Functions	Metadata smart search	-	HD1080i HDMI Output (Built-in Decoder) Real-time face matching, mouse operation	HD1080i HDMI Output (Built-in Decoder) Real-time face matching, mouse operation
Power Consumption	120 VAC, 60Hz/Approx. 170W	120 VAC, 60Hz/Approx. 85W	120 VAC, 60Hz/Approx. 45W	120 VAC, 60Hz/Approx. 45W
Rack Mountable	Yes (3U)	Yes (2U)	Optional (1U)	Optional (1U)
Remote Monitoring	Yes (Microsoft Internet Explorer, WV-ASM100 Series, WV-ASM200 Series, WV-ASM970)	Yes (Microsoft Internet Explorer, WV-ASM100 Series, WV-ASM200 Series, WV-ASM970)	Yes (Microsoft Internet Explorer, WV-ASM100 Series, WV-ASM200 Series, WV-ASM970)	Yes (Microsoft Internet Explorer, WV-ASM100 Series, WV-ASM200 Series, WV-ASM970)

¹ Regarding BB cameras, only specific models and video formats are supported. Contact Panasonic for BB cameras.

² Only specific AXIS cameras and encoders are supported. Contact Panasonic for AXIS cameras.

³ Connected on Onvif protocol.

Digital Video Recorders Lineup Chart

Digital Video Recorders



	WJ-HD716	WJ-HD616
Model	WJ-HD716	WJ-HD616
Video Inputs	16	16
Video Loop Through	Yes (16)	Yes (16)
Audio Inputs	4	4
Monitor Out	2x HDMI, 2x Composite (BNC) (All: Multiscreen)	2x HDMI, 2x Composite (BNC) (All: Multiscreen)
Audio Outputs	2	2
Recording Video Compression	H.264	H.264
Max. HDD	4 drives (internal) 31 drives (w/ external)	4 drives (internal) 31 drives (w/ external)
Max. Storage	12TB (internal, 3TB HDD) 93TB (w/ external, 3TB HDD)	12TB (internal, 3TB HDD) 93TB (w/ external, 3TB HDD)
Recording Resolution	Frame (720x480) Field (720x240)	Frame (720x480) Field (720x240)
Max. Recording Rate (Total)	480ips at Field (720x240) 240ips at Frame (720x480)	240ips at Field (720x240) 120ips at Frame (720x480)
RAID Support	RAID5/6 Optional (WJ-HDB601)	RAID5/6 Optional (WJ-HDB601)
Network I/F	2x 10/100 Base-TX	2x 10/100 Base-TX
HDMI Cascade	Up to 5 main units	Up to 5 main units
Coax PTZ Control	16 (for Panasonic camera)	8 (for Panasonic camera)
RS485 Camera Interface	2x RS485, 2/4 wire, half duplex (for 1-16 CH)	2x RS485, 2/4 wire, half duplex (for 1-16 CH)
Alarm/Control Ports	16 terminal alarm inputs/outputs, 1 alarm reset input, 1 alarm suspend input	16 terminal alarm inputs/outputs, 1 alarm reset input, 1 alarm suspend input
Copy Ports	Built-in SD/SDHC slot CD/DVD burner (Optional: WJ-HDB611)	Built-in SD/SDHC slot CD/DVD burner (Optional: WJ-HDB611)
RTP over HTTP (for Internet monitoring)	Yes	Yes
Functions	Dual HD1080i HDMI Outputs, mouse operation, timeline bar search, SD5 Link	Dual HD1080i HDMI Outputs, mouse operation, timeline bar search, SD5 Link
Power	120 VAC, 60Hz	120 VAC, 60Hz
Power Consumption	Approx. 130W	Approx. 130W
Rack Mountable	Yes (3U)	Yes (3U)
Remote Monitoring	Yes (Microsoft Internet Explorer, WV-ASM100 Series, WV-ASM200 Series, WV-ASM970)	Yes (Microsoft Internet Explorer, WV-ASM100 Series, WV-ASM200 Series, WV-ASM970)

i-PRO Encoders/Decoders and Converter Lineup Charts

Encoder



Model	WJ-GXE500
Product Type	4CH Video Encoder
Supported Video Compression	H.264 / MPEG-4 / M-JPEG
Video Inputs/Outputs	4 (Input)
Audio Inputs/Outputs	1 (Input)
Supported Video Resolution	D1 (720x480), VGA (640x480), QVGA (320x240)
Max. fps	30fps/ch at H.264 in all resolutions
Coax PTZ Control	4 (for Panasonic camera)
RS485 Camera Interface	1x RS485, 2/4 wire, half duplex (for 1-4 CH)
Network I/F	1x 10/100 Base-TX
SD Memory Card Slot	Yes (SDHC)
SD Card Recording	1fps (JPEG)
Functions	Face Detection (CH1 only), Dual Stream, RTP over HTTP
Power/Power Consumption	PoE, 12VAC/6W
Rack Mountable	Optional (3 units for 1U) (WV-Q204/2S)

Decoder



Model	WJ-GXD400
Product Type	6CH HD1080i Video Decoder
Supported Video Compression	H.264 / MPEG-4 / M-JPEG
Video Inputs/Outputs	HDMI x1 (Output) NTSC Composite (BNC) x1 (Output)
Audio Inputs/Outputs	HDMI x1 (Output) RCA x1 (Output)
Supported Video Resolution	1.3MP (1280x960), VGA (640x480), QVGA (320x240)
Display Pattern	Single (1x 1280x960), 3 split-screen (1x 1280x960, 2x VGA), 6 split-screen (6x VGA)
Max. fps	30fps/ch at H.264 in VGA
Network I/F	1x 100/1000 Base-T
Functions	HD1080i HDMI Output
Power/Power Consumption	12VDC/12VDC, 1.4A
Rack Mountable	Optional (2 units for 1U) (WV-Q204/1S, WV-Q204/2S)

Converter



Model	BY-HPE11KTA (including 1x center adaptor and 1x camera adaptor)	
Product Type	Coaxial-LAN Converter with PoE Function	
	Center Adaptor	Camera Adaptor
Transmission Speed (UDP) ^{*1}	45Mbps or higher (when using an RG-59/U coaxial cable of less than 3,937 ft. [1.2km])	
Transmission Speed (TCP) ^{*1}	35Mbps or higher (when using an RG-59/U coaxial cable of less than 3,937 ft. [1.2km])	
Max. Transmission Distance	Without PoE function: Max. 6,561 ft. [2km] (w/ RG-6/U) / Max. 3,937 ft. [1.2km] (w/ RG-59/U) With PoE Function: Max. 1,640 ft. [500m] (w/ RG-6/U) / Max. 656 ft. [200m] (w/ RG-59/U)	
Coaxial I/F	1x BNC	1x BNC
Network I/F	1x 10/100 Base-TX	1x 10/100 Base-TX, PoE ^{*2}
Functions	PoE capability for IP cameras Plug & Play (No Setup Required)	
Operating Temperature	32°F to 122°F (Center adaptor)	14°F to 122°F (Camera adaptor)
Power	100-240VAC	Power supplied through the coax cable from the center adaptor
Power Consumption	Max. 28W (including the power consumption of the camera adaptor)	Max. 15.4W (PoE capability)
Rack Mountable	Optional (4 center adaptors for 1U) (BY-HCA10A)	-

^{*1} This value is for transmission between the center adaptor and the camera adaptor.

^{*2} PoE function is available for Panasonic IP cameras only.

Management Software Comparison Chart

Functions			WV-ASM200 + WV-ASE201 with Extension Software	WV-ASM200 Management Software
				
Main Functions/Description			Live / Playback / Control	Live / Playback / Control
Supported Video Formats			H.264 / MPEG-4 / M-JPEG	H.264 / MPEG-4 / M-JPEG
Supported Video Aspect Ratio			4:3 / 16:9	4:3 / 16:9
Supported Devices	Camera	Direct	i-PRO series ¹	i-PRO series ¹
		Via Recorder	i-PRO series ¹ , BB series ² , Axis ²	i-PRO series ¹ , BB series ² , Axis ²
	Recorder	NVR	WJ-ND400, WJ-ND300/300A, WJ-ND200, WJ-NV200	WJ-ND400, WJ-ND300/300A, WJ-ND200, WJ-NV200
		DVR	WJ-HD716/616, WJ-HD309A/316A, WJ-RT416 series	WJ-HD716/616, WJ-HD309A/316A, WJ-RT416 series
	Encoder	WJ-GXE500, WJ-NT304, WJ-NT314	WJ-GXE500, WJ-NT304, WJ-NT314	
	Controller	WV-CU950	No	
Max. Devices	Camera	Direct	256	256
		Via Recorder	6,400 (with WJ-ND400 series) 3,200 (with WJ-ND300 series)	6,400 (with WJ-ND400 series) 3,200 (with WJ-ND300 series)
		Via Encoder	256	256
	Recorder	100	100	
	Encoder	64	64	
	Controller	1	No	
Camera Control			Yes (PTZ, Preset, Auto mode, Click centering, Wheel zoom)	Yes (PTZ, Preset, Auto mode, Click centering, Wheel zoom)
Recorder Control			Yes (Playback, REC etc.)	Yes (Playback, REC etc.)
Multi-screen Pattern			1 / 4 / 9 / 16	1 / 4 / 9 / 16
Display Performance			30ips x 16 screens @ MPEG4 2Mbps/H.264 1.5Mbps	30ips x 16 screens @ MPEG4 2Mbps/H.264 1.5Mbps
AVMD Display (Frame and Tracking Line)			Yes	Yes
Multiple Monitors Supported			Yes (Up to 3 monitors: Operation / Live / Map)	No
Map Function			Yes	No
Audio ³			Yes (Live: 2-way, Playback: 1-way)	Yes (Live: 2-way, Playback: 1-way)
Supported Alarm			Panasonic Alarm Protocol	Panasonic Alarm Protocol
Event Search (T&D, Event type etc.)			Yes	Yes
VMD Search			Yes (with WJ-ND400, WJ-HD716/616, WJ-NV200)	Yes (with WJ-ND400, WJ-HD716/616, WJ-NV200)
Image Download			Yes	Yes
RTP over HTTP (from Recorders)			Yes	Yes
RTP over HTTP (from IP Cameras) ³			No	No
Camera SDHC/SD Card Recording Support			No	No

¹ Except model WV-NM100 ² Specific models only. Camera control is not supported. Supported video format is limited. ³ Only Panasonic i-PRO series are supported.

BB-HNP17A Camera Management Recording Software

- Images can be recorded for up to 64 cameras
- Record and play H.264, MPEG-4 and JPEG images
- Easy to use graphical user interface (GUI), simplified icons
- Customizable settings and browser screens
- Remote access by browser
- Alarm trigger recording (JPEG only)
- Scheduled preset position recording
- E-mail alert when alarm is detected
- Search images quickly via keyword or date/time



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Technical Support

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