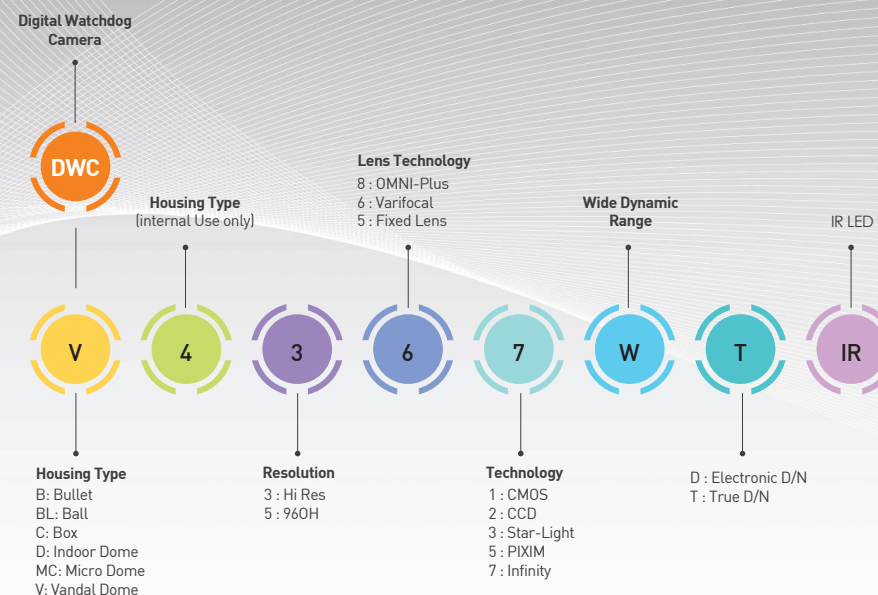




2013–2014 PRODUCT GUIDE





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 STAR-LIGHT™ INFINITY MNI-PLUS™ Power Pix PIXIM 

We believe our future relies on the success of our partners, and we are committed to promoting this through the highest standards in all areas of our products and services.

➤ Digital Watchdog's Technology Series



Star-Light Super Low Light Technology

Starlight Technology provides crisp clear color and black and white images in extreme low light conditions.



Programmable Privacy Zone



Smart IR

See what is really happening at night



ICON Driven OSD Menu

ICON Driven OSD Menu will guide you through simple and fast programming options.



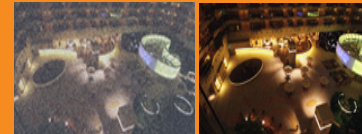
DRC

Dynamic Range Compressor



Smart DNR

Digital Noise Reduction



HME

Highlight Masking Exposure



WDR Wide Dynamic Range



Infinity Series offers Starlight's Super Low Light Technology, along with a powerful WDR chip-set which allows the cameras to provide clear images even when there are both very dark and very bright areas in the field of view.



Sunshield Cover

Vandal Resistant
Dome Cover

OMNI-PLUS™

OMNI Focus Lens



Intelligent Motion Detection



Omni-Plus Series offers the best of all DW technologies, Starlight Super Low Light, Infinity WDR, and adds an all in one (Omni-Focus) lens set which utilizes 3 internal lenses to view fore-, mid-, and background images simultaneously without the need for focusing the cameras – they are always in focus.



Refined Video Optics

Intelligent IR Lighting System

Simple & Easy
Cable Management

Snapit
Housing Series








IP68 Weather Proof Rated

Submerge the camera in water, and it will still work properly!




It's quick. It's easy
Completing your installations quickly is a snap!




just a few minutes **It's a Snap!**








DW		Starlight Series						
								
Model Number		D4363D	D4363DB	D4363TIR	D4363TIRB	V4363D	V4363DB	V4363DH
Image Sensor		1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Resolution	Color	600TVL	600TVL	600TVL	600TVL	600TVL	600TVL	600TVL
	B/W	620TVL	620TVL	620TVL	620TVL	620TVL	620TVL	620TVL
Lens		3.3-12mm	3.3-12mm	3.3-12mm	3.3-12mm	3.3-12mm	3.3-12mm	3.3-12mm
Min Illumination	Color	0.14 Lux [F1.2, 30IRE]	0.14 Lux [F1.2, 30IRE]	0.0 Lux	0.0 Lux	0.14 Lux [F1.2, 30IRE]	0.14 Lux [F1.2, 30IRE]	0.14 Lux [F1.2, 30IRE]
	B/W	0.03 Lux	0.03 Lux	0.0 Lux	0.0 Lux	0.03 Lux	0.03 Lux	0.03 Lux
Adjustment Range	Pan	360	360	360	360	360	360	360
	Tilt	90	90	75	75	90	90	90
	Rotation	360	360	360	360	360	360	360
Angle of View(Horizontal)		105.1° ~ 26.7°	105.1° ~ 26.7°	105.1° ~ 26.7°	105.1° ~ 26.7°	105.1° ~ 26.7°	105.1° ~ 26.7°	105.1° ~ 26.7°
Power / Auto Line lock		AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock
Programmable Privacy Zone		8 Zones	8 Zones	8 Zones	8 Zones	8 Zones	8 Zones	8 Zones
Day / Night		Electronic	Electronic	TDN, IR Cut filter	TDN, IR Cut filter	Electronic	Electronic	Electronic
Starlight (Super Low Light)		x1024	x1024	x1024	x1024	x1024	x1024	x1024
IR Distance				70 ft	70 ft			
SMART IR				Smart IR	Smart IR			
AGC / BLC		Yes	Yes	Yes	Yes	Yes	Yes	Yes
DNR		Smart 3D DNR	Smart 3D DNR	Smart 3D DNR	Smart 3D DNR	Smart 3D DNR	Smart 3D DNR	Smart 3D DNR
HME		Yes	Yes	Yes	Yes	Yes	Yes	Yes
UTP / RS485		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Secondary BNC output		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operation temperature		-10℃ ~ +55℃ / 14F ~ +131F	-10℃ ~ +55℃ / 14F ~ +131F	-10℃ ~ +55℃ / 14F ~ +131F	-10℃ ~ +55℃ / 14F ~ +131F	- 29℃ ~ +55℃ / - 20F ~ +131F	- 29℃ ~ +55℃ / - 20F ~ +131F	- 40℃ ~ +55℃ / - 40F ~ +131F
IP Rating						IP68	IP68	IP68
Power consumption		DC12V: 2.3W AC24V : 2.5W	DC12V: 2.3W AC24V : 2.5W	DC12V: 2.3W, LED on 4.8W AC24V :2.5W, LED on 4.9W	DC12V: 2.3W, LED on 4.8W AC24V :2.5W, LED on 4.9W	DC12V: 2.3W AC24V : 2.5W	DC12V: 2.3W AC24V : 2.5W	DC12V: 2.3W, Heater on 6.0W AC24V :2.5W, Heater on 6.0W
Certification		FCC/CE	FCC/CE	FCC/CE	FCC/CE	FCC/CE	FCC/CE	FCC/CE
Weight		0.507 lbs	0.507 lbs	0.529 lbs	0.529 lbs	2.028 lbs	2.028 lbs	2.028 lbs
Mounting options						WM, CM, CNM, Junciton Box	WM, CM, CNM, Junciton Box	WM, CM, CNM, Junciton Box

	
V4363TIR	V4363TIRB
1/3" CCD	1/3" CCD
600TVL	600TVL
620TVL	620TVL
3.3-12mm	3.3-12mm
0.0 Lux	0.0 Lux
0.0 Lux	0.0 Lux
360	360
75	75
360	360
105.1° ~ 26.7°	105.1° ~ 26.7°
AC/DC/ Line Lock	AC/DC/ Line Lock
8 Zones	8 Zones
TDN, IR Cut filter	TDN, IR Cut filter
x1024	x1024
70 ft	70 ft
Smart IR	Smart IR
Yes	Yes
Smart 3D DNR	Smart 3D DNR
Yes	Yes
Yes	Yes
Yes	Yes
- 29°C ~ +55°C / -20F ~ +131F	- 29°C ~ +55°C / -20F ~ +131F
IP68	IP68
DC12V: 2.3W, LED on 4.8W AC24V :2.5W, LED on 4.9W	DC12V: 2.3W, LED on 4.8W AC24V :2.5W, LED on 4.9W
FCC/CE	FCC/CE
2.05lbs	2.05lbs
WM, CM, CNM, Junciton Box	WM, CM, CNM, Junciton Box

		Infinity Series				
						
Model Number		D4367D	D4367TIR	V4367WD	V4367WTIR	B1367WD
Image Sensor		SONY Super II HAD CCD	SONY Super II HAD CCD	SONY Super II HAD CCD	SONY Super II HAD CCD	SONY Super II HAD CCD
Resolution	Color	600TVL	600TVL	600TVL	600TVL	600TVL
	B/W	620TVL	620TVL	620TVL	620TVL	620TVL
Lens		3.3-12mm	3.3-12mm	3.3-12mm	3.3-12mm	3.3-12mm
Min Illumination	Color	0.14 Lux [F1.2, 30IRE]	0.0 Lux	0.14 Lux [F1.2, 30IRE]	0.0 Lux	0.14 Lux [F1.2, 30IRE]
	B/W	0.03 Lux	0.0 Lux	0.03 Lux	0.0 Lux	0.03 Lux
Adjustment Range	Pan	360	360	360	360	
	Tilt	90	75	90	75	
	Rotation	360	360	360	360	
Angle of View(Horizontal)		105.1° ~ 26.7°	105.1° ~ 26.7°	105.1° ~ 26.7°	105.1° ~ 26.7°	105.1° ~ 26.7°
Power / Auto Line lock		AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock
Programmable Privacy Zone		8 Zones	8 Zones	8 Zones	8 Zones	8 Zones
Day / Night		Electronic	TDN, IR Cut filter	Electronic	TDN, IR Cut filter	Electronic
Starlight (Super Low Light)		x1024	x1024	x1024	x1024	x1024
IR Distance			70 ft		70 ft	
SMART IR			Smart IR		Smart IR	
WDR		Yes	Yes	Yes	Yes	Yes
AGC / BLC		Yes	Yes	Yes	Yes	Yes
DNR		Smart 3D DNR	Smart 3D DNR	Smart 3D DNR	Smart 3D DNR	Smart 3D DNR
HME		Yes	Yes	Yes	Yes	Yes
UTP / RS485		Yes	Yes	Yes	Yes	RS485
Secondary BNC output		Yes	Yes	Yes	Yes	Yes
Operation temperature		-10℃ ~ +55℃ / 14F ~ +131F	-10℃ ~ +55℃ / 14F ~ +131F	- 29℃ ~ +55℃ / -20F ~ +131F	- 29℃ ~ +55℃ / -20F ~ +131F	-10℃ ~ +55℃ / 14F ~ +131F
IP Rating				IP 68	IP 68	IP 66
Power consumption		DC12V: 2.1W AC24V : 2.2W	DC12V: 2.1W, LED on 4.5W AC24V :2.2W, LED on 4.6W	DC12V: 2.1W AC24V : 2.2W	DC12V: 2.1W, LED on 4.5W AC24V :2.2W, LED on 4.6W	DC12V:3.3W AC24V :3.8W
Certification		FCC/CE	FCC/CE	FCC/CE	FCC/CE	FCC/CE
Weight		0.507 lbs	0.529lbs	2.028 lbs	2.05 lbs	1.52 lbs
Mounting options				WM, CM, CNM, Junciton Box	WM, CM, CNM, Junciton Box	Junction Box, Pole Mount

		Infinity Series						
								
Model Number		B1367WTIR	B1367WTIR650	C233W	D2367WD	D2367WTIR	V3367WD	V3367WTIR
Image Sensor		SONY Super II HAD CCD	SONY Super II HAD CCD	SONY Super II HAD CCD	SONY Super II HAD CCD	SONY Super II HAD CCD	SONY Super II HAD CCD	SONY Super II HAD CCD
Resolution	Color	600TVL	600TVL	600TVL	600TVL	600TVL	600TVL	600TVL
	B/W	620TVL	620TVL	620TVL	620TVL	620TVL	620TVL	620TVL
Lens		3.3-12mm	6-50mm	CS/C mount[*lens not included]	3.3-12mm	3.3-12mm	3.3-12mm	3.3-12mm
Min Illumination	Color	0.0 Lux	0.0 Lux	0.14 Lux [F1.2, 30IRE]	0.14 Lux [F1.2, 30IRE]	0.0 Lux	0.14 Lux [F1.2, 30IRE]	0.0 Lux
	B/W	0.0 Lux	0.0 Lux	0.03 Lux	0.03 Lux	0.0 Lux	0.03 Lux	0.0 Lux
Adjustment Range	Pan				360	360	360	360
	Tilt				90	90	90	90
	Rotation				360	360	360	360
Angle of View(Horizontal)		105.1° ~ 26.7°	65.3° ~ 8.1°		105.1° ~ 26.7°	105.1° ~ 26.7°	105.1° ~ 26.7°	105.1° ~ 26.7°
Power / Auto Line lock		AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock
Optical Zoom / Digital Zoom								
Programmable Privacy Zone		8 Zones	8 Zones	8 Zones	8 Zones	8 Zones	8 Zones	8 Zones
Day / Night		TDN, IR Cut filter	TDN, IR Cut filter	Electronic	Electronic	TDN, IR Cut filter	Electronic	TDN, IR Cut filter
Starlight (Super Low Light)		x1024	x1024	x1024	x1024	x1024	x1024	x1024
IR Distance		100 ft	250 ft			100 ft		100 ft
SMART IR		Smart IR	Smart IR			Smart IR		Smart IR
WDR		Yes	Yes	Yes	Yes	Yes	Yes	Yes
AGC / BLC		Yes	Yes	Yes	Yes	Yes	Yes	Yes
DNR		Smart 3D DNR	Smart 3D DNR	Smart 3D DNR	Smart 3D DNR	Smart 3D DNR	Smart 3D DNR	Smart 3D DNR
HME		Yes	Yes	Yes	Yes	Yes	Yes	Yes
UTP / RS485		RS485	RS485					
Secondary BNC output		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operation temperature		-10℃ ~ +55℃ / 14F ~ +131F	-10℃ ~ +55℃ / 14F ~ +131F	-10℃ ~ +55℃ / 14F ~ +131F	-10℃ ~ +55℃ / 14F ~ +131F	-10℃ ~ +55℃ / 14F ~ +131F	-10℃ ~ +55℃ / 14F ~ +131F	-10℃ ~ +55℃ / 14F ~ +131F
IP Rating		IP 66	IP 66				IP 66	IP 66
Power consumption		DC12V:3.3W, LED on 6.6W AC24V :3.8W, LED on 7.1W	DC12V:3.3W, LED on 6.6W AC24V :3.8W, LED on 7.1W	DC12V: 1.81W AC24V : 2.4W	DC12V: 1.8W AC24V: 2.4W	DC12V: 1.8W, LED on 4.6W AC24V: 2.4W, LED on 4.9W	DC12V: 1.8W AC24V: 2.4W	DC12V: 1.8W, LED on 4.6W AC24V: 2.4W, LED on 4.9W
Certification		FCC/CE	FCC/CE	FCC/CE	FCC/CE	FCC/CE	FCC/CE	FCC/CE
Weight		1.52 lbs	1.52 lbs	0.6 lbs	0.79 lbs	0.88 lbs	2.06 lbs	2.09 lbs
Mounting options		Junction Box, Pole Mount	Junction Box, Pole Mount		WM	WM	WM, CM, CNM, Junciton Box	WM, CM, CNM, Junciton Box


V1312XW
Ex view Double Scan
560TVL
600TVL
3.6-44.3mm
1.2 Lux [F1.6, 30IRE]
0.12 Lux
360
90
360
Wide: 54.44° (H) x 41.42° (V)
AC/DC/ Line Lock
Optical 12X
12 Zones
Electronic
x1024
Yes
Yes
Smart 3D DNR
Yes
RS485
Yes
-10°C ~ +55°C / 14F ~ +131F
IP 66
DC12V: 2.8W AC24V : 3.2W
FCC/CE
1.7 lbs
WM, CM

DW		Omni Plus Snapit series						
								
Model Number		D4382D	D4382TIR	V4382D	V4382TIR	V4382TIRH	B2382TIR	
Image Sensor		SONY Super II HAD CCD						SONY Super II HAD CCD
Resolution	Color	600TVL	600TVL	600TVL	600TVL	600TVL	600TVL	600TVL
	B/W	620TVL	620TVL	620TVL	620TVL	620TVL	620TVL	620TVL
Lens		Omni (2.9~8.5mm)						Omni (2.9~8.5mm)
Min Illumination	Color	0.14 Lux [F1.2, 30IRE]	0.0 Lux	0.14 Lux [F1.2, 30IRE]	0.0 Lux	0.0 Lux	0.0 Lux	0.0 Lux
	B/W	0.03 Lux	0.0 Lux	0.03 Lux	0.0 Lux	0.0 Lux	0.0 Lux	0.0 Lux
Adjustment Range	Pan	360	360	360	360	360	360	
	Tilt	90	75	90	75	75		
	Rotation	360	360	360	360	360		
Angle of View(Horizontal)		121.4°~41.5°	121.4°~41.5°	121.4°~41.5°	121.4°~41.5°	121.4°~41.5°		121.4°~41.5°
Power / Auto Line lock		AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock		AC/DC/ Line Lock
Optical Zoom / Digital Zoom		Optical 3X	Optical 3X	Optical 3X	Optical 3X	Optical 3X		Optical 3X
Programmable Privacy Zone		8 Zones	8 Zones	8 Zones	8 Zones	8 Zones		8 Zones
Day / Night		Electronic	TDN, IR Cut filter	Electronic	TDN, IR Cut filter	TDN, IR Cut filter		TDN, IR Cut filter
Starlight (Super Low Light)		x1024	x1024	x1024	x1024	x1024		x1024
IR Distance			50 ft		50 ft	50 ft		70 ft
SMART IR			Smart IR		Smart IR	Smart IR		Smart IR
WDR		Yes	Yes	Yes	Yes	Yes		Yes
AGC / BLC		Yes	Yes	Yes	Yes	Yes		Yes
DNR		Smart 3D DNR	Smart 3D DNR	Smart 3D DNR	Smart 3D DNR	Smart 3D DNR		Smart 3D DNR
HME		Yes	Yes	Yes	Yes	Yes		Yes
UTP / RS485		Yes	Yes	Yes	Yes	Yes		RS485
Secondary BNC output		Yes	Yes	Yes	Yes	Yes		Yes
Operation temperature		-10°C ~ +55°C / 14F ~ +131F	-10°C ~ +55°C / 14F ~ +131F	-29°C ~ +55°C / -20F ~ +131F	-29°C ~ +55°C / -20F ~ +131F	-40°C ~ +55°C / -40F ~ +131F		-10°C ~ +55°C / 14F ~ +131F
IP Rating				IP 68	IP 68	IP 68		IP 66
Power consumption		DC12V: 2.1W AC24V : 2.2W	DC12V: 2.1W, LED on 4.5W AC24V :2.2W, LED on 4.6W	DC12V: 2.1W AC24V : 2.2W	DC12V: 2.1W, LED on 4.5W AC24V :2.2W, LED on 4.6W	DC12V: 2.1W, LED on 4.5W, HEATER on 5.4W AC24V :2.2W, LED on 4.6W, HEATER on 5.5W		DC12V: 1.8W, LED on 4.6W AC24V: 2.4W, LED on 4.9W
Certification		FCC/CE	FCC/CE	FCC/CE	FCC/CE	FCC/CE		FCC/CE
Weight		0.507 lbs	0.529 lbs	2.028 lbs	2.05 lbs	2.05 lbs		1.5 lbs
Mounting options				WM, CM, FMSNAP, V4SSLD	WM, CM, FMSNAP, V4SSLD	WM, CM, FMSNAP, V4SSLD		Junction Box, Pole Mount

▶ 960H Analog Technology Benefits

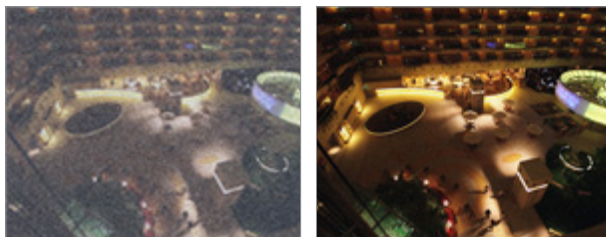
VMAX960H DVR

For a complete security package, combine the 960H camera technology with our VMAX960H, a recording solution that will not lose a single detail; from live and record to playback.



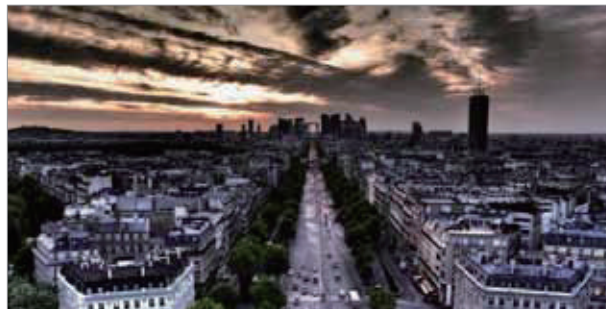
Smart DNR (Digital Noise Reduction)

The Smart DNR technology provides clearer images using unique algorithms designed to reduce video noise. It cleans electronic noise signals that reduce the clarity of the image and effect motion detection settings with various recording technology.



960H Resolution

960 Horizontal Pixels is the highest analog resolution available today. Using existing installation and cabling, Digital Watchdog's cameras offer a visibly clearer and extremely detailed image. Seeing is believing.



Powerful Electronic Wide Dynamic Range

Enables the camera to capture clear images in the same frame, even when there are both very bright and very dark areas in the same field.



Day & Night









When light diminishes below a certain level, the camera will automatically switch to night mode, providing high quality black-and-white video images.



HME (Highlight Masking Exposure)

The HME technology detects and masks any strong spots of light to produce a clear image of any environment. HME is particularly effective for reading license plates of cars in streets or parking lots at night.







<div></div>		Starlight 960H series						
								
Model Number		BL2553DIR	V6553D	V6553DIR	V6563D	V6563DIR	B6563DIR	B6563DIR550
Image Sensor		Panasonic 960H	Panasonic 960H	Panasonic 960H	Panasonic 960H	Panasonic 960H	Panasonic 960H	Panasonic 960H
Resolution	Color	700TVL	700TVL	700TVL	700TVL	700TVL	700TVL	700TVL
	B/W	720TVL	720TVL	720TVL	720TVL	720TVL	720TVL	720TVL
Lens		3.6mm	3.6mm	3.6mm	2.8-12mm	2.8-12mm	2.8-12mm	5-50mm
Min Illumination	Color	0.0 Lux	0.14 Lux	0.0 Lux	0.14 Lux	0.0 Lux	0.0 Lux	0.0 Lux
	B/W	0.0 Lux	0.03 Lux	0.0 Lux	0.03 Lux	0.0 Lux	0.0 Lux	0.0 Lux
Adjustment Range	Pan	360	360	360	360	360		
	Tilt	90	90	70	90	70		
	Rotation	360	360	360	360	360		
Angle of View(Horizontal)		81.90°	81.90°	81.90°	95.5°~30°	95.5°~30°	95.5°~30°	65.3° ~ 8.1°
Power / Auto Line lock		DC 12V	DC 12V	DC 12V	AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock
Optical Zoom / Digital Zoom								
Programmable Privacy Zone		8 Zones	8 Zones	8 Zones	8 Zones	8 Zones	8 Zones	8 Zones
Day / Night		Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Starlight (Super Low Light)		x512	x512	x512	x512	x512	x512	x512
IR Distance		50 ft		100 ft		100 ft	100 ft	150 ft
SMART IR		Enhanced Smart IR		Enhanced Smart IR		Enhanced Smart IR	Enhanced Smart IR	Enhanced Smart IR
AGC / BLC		Yes	Yes	Yes	Yes	Yes	Yes	Yes
DNR		Smart 3D DNR	Smart 3D DNR	Smart 3D DNR	Smart 3D DNR	Smart 3D DNR	Smart 3D DNR	Smart 3D DNR
HME		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Secondary BNC output		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operation temperature		-10℃ ~ +50℃ / 14F ~ +131F	-10℃ ~ +50℃ / 14F ~ +131F	-10℃ ~ +50℃ / 14F ~ +131F	-10℃ ~ +50℃ / 14F ~ +131F	-10℃ ~ +50℃ / 14F ~ +131F	-10℃ ~ +50℃ / 14F ~ +131F	-10℃ ~ +50℃ / 14F ~ +131F
IP Rating		IP 66	IP 66	IP 66	IP 66	IP 66	IP 66	IP 66
Power consumption		DC12V: 1.1W, LED on 2.3W	DC12V: 1.8W	DC12V: 1.8W, LED on 4.3W	DC12V: 1.8W AC24V: 1.8W	DC12V: 1.8W, LED on 4.3W AC24V: 1.8W, LED on 4.3	DC12V: 1.8W, LED on 3.2W AC24V: 1.8W, LED on 3.2W	DC12V: 1.8W, LED on 4.2W AC24V: 1.8W, LED on 3.9W
Certification		FCC/CE	FCC/CE	FCC/CE	FCC/CE	FCC/CE	FCC/CE	FCC/CE
Weight		0.83	1.65 lbs	1.65 lbs	1.65 lbs	1.65 lbs	1.7 lbs	2.05 lbs
Mounting options			WM, CM, CNM, JUNC	WM, CM, CNM, JUNC	WM, CM, CNM, JUNC	WM, CM, CNM, JUNC	Junction Box	Junction Box



Infinity Snapit 960H Series



Model Number		D4567WD	D4567WTIR	V4567WD	V4567WTIR	B1567WD	B1567WTIR
Image Sensor		SHARP 960 CCD	SHARP 960 CCD	SHARP 960 CCD	SHARP 960 CCD	SHARP 960 CCD	SHARP 960 CCD
Resolution	Color	700TVL	700TVL	700TVL	700TVL	700TVL	700TVL
	B/W	720TVL	720TVL	720TVL	720TVL	720TVL	720TVL
Lens		3.3~12mm	3.3~12mm	3.3~12mm	3.3~12mm	3.3~12mm	3.3~12mm
Min Illumination	Color	0.3 Lux [F1.2, 30IRE]	0.0 Lux	0.3 Lux [F1.2, 30IRE]	0.0 Lux	0.3 Lux [F1.2, 30IRE]	0.0 Lux
	B/W	0.04 Lux	0.0 Lux	0.04 Lux	0.0 Lux	0.04 Lux	0.0 Lux
Adjustment Range	Pan	360	360	360	360		
	Tilt	90	75	90	75		
	Rotation	360	360	360	360		
Angle of View(Horizontal)		105.1° ~ 26.7°	105.1° ~ 26.7°	105.1° ~ 26.7°	105.1° ~ 26.7°	105.1° ~ 26.7°	105.1° ~ 26.7°
Power / Auto Line lock		AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock
Programmable Privacy Zone		6 Zones	6 Zones	6 Zones	6 Zones	6 Zones	6 Zones
Day / Night		Electronic	TDN, IR Cut Filter	Electronic	TDN, IR Cut Filter	Electronic	TDN, IR Cut Filter
Starlight (Super Low Light)		x256	x256	x256	x256	x256	x256
IR Distance			70 ft		70 ft		100 ft
SMART IR			Smart IR		Smart IR		Smart IR
WDR		EWDR	EWDR	EWDR	EWDR	EWDR	EWDR
AGC / BLC		Yes	Yes	Yes	Yes	Yes	Yes
DNR		Smart 3D DNR	Smart 3D DNR	Smart 3D DNR	Smart 3D DNR	Smart 3D DNR	Smart 3D DNR
HME		Yes	Yes	Yes	Yes	Yes	Yes
UTP / RS485		Yes	Yes	Yes	Yes	RS485	RS485
Secondary BNC output		Yes	Yes	Yes	Yes	Yes	Yes
Operation temperature		-10℃ ~ +55℃ / 14F ~ +131F	-10℃ ~ +55℃ / 14F ~ +131F	-29℃ ~ +55℃ / -20F ~ +131F	-29℃ ~ +55℃ / -20F ~ +131F	-10℃ ~ +55℃ / 14F ~ +131F	-10℃ ~ +55℃ / 14F ~ +131F
IP Rating				IP 68	IP 68	IP 66	IP 66
Power consumption		DC12V: 2.2W AC24V: 2.3W	DC12V: 2.2W, LED ON 5.0W AC24V: 2.3W, LED ON 4.7W	DC12V: 2.2W AC24V: 2.3W	DC12V: 2.2W, LED ON 5.0W AC24V: 2.3W, LED ON 4.7W	DC12V: 3.5W AC24V: 3.9W	DC12V: 3.5W, LED on 7.3W AC24V: 3.9W, LED ON 7.1W
Certification		FCC/CE	FCC/CE	FCC/CE	FCC/CE	FCC/CE	FCC/CE
Weight		0.507 lbs	0.529 lbs	2.028 lbs	2.05 lbs	1.5 lbs	1.52 lbs
Mounting options				WM, CM, FMSNAP, V4SSLD	WM, CM, FMSNAP, V4SSLD	Junction Box, Pole Mount	Junction Box, Pole Mount

DW		Micro Dome Camera			
					
Model Number		MC355T	MC352	MC352-29	MC352DIR
Image Sensor		PIXIM WDR CMOS	SONY 760 CCD	SONY 760 CCD	SONY 760 CCD
Resolution	Color	480TVL	600TVL	600TVL	600TVL
	B/W	520TVL	620TVL	620TVL	620TVL
Lens		3.6mm	3.6mm	2.9mm	3.6mm
Min Illumination	Color	0.08 Lux [F1.2, 30IRE]	0.14 Lux [F1.2, 30IRE]	0.14 Lux [F1.2, 30IRE]	0.0 Lux
	B/W	0.01 Lux	0.03 Lux	0.03 Lux	0.0 Lux
Adjustment Range	Pan	360	360	360	360
	Tilt	70	70	70	70
	Rotation	360	360	360	360
Power / Auto Line lock		DC 12V	DC 12V	DC 12V	DC 12V
Day / Night		TDN, IR Cut filter	Electronic	Electronic	Electronic
IR Distance					20ft
Operation temperature		-10°C ~ +50°C	-10°C ~ +50°C	-10°C ~ +50°C	-10°C ~ +50°C
IP Rating		IP 66	IP 66	IP 66	IP 66
Power consumption		12DC : Max1.5W	12DC : Max2.0W	12DC : Max2.0W	12DC : Max2.0W
Certification		FCC/CE	FCC/CE	FCC/CE	FCC/CE
Weight		0.562 lbs	0.4 lbs	0.4 lbs	0.4 lbs
Mounting options		SM, AM	SM, AM	SM, AM	SM, AM

RED



DWC-MC RED



Trim Ring(Red Color)
for Micro Dome

BLUE



DWC-MC BLU



Trim Ring(Blue Color)
for Micro Dome

GREEN



DWC-MC GRN



Trim Ring(Green Color)
for Micro Dome

BLACK



DWC-MC BLK



Trim Ring(Black Color)
for Micro Dome

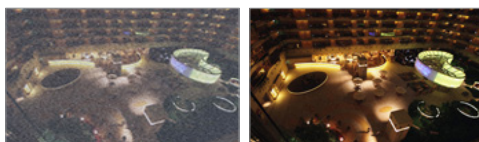
▶ Newest WDR technology

When Every Pixel Counts

Power Pix

DNR (Digital Noise Reduction)

Provides clearer images using a unique algorithm designed to reduce electronic noise while preserving the image's clear details in low light video.



Smear Cancellation

Smear Cancellation adjusts the camera's exposure to the bright light to make sure all the details in the view are clear and visible.



Powerful WDR for Overexposure

Power Pix cameras correct overexposure in outdoor scenes to capture all the details in the bright areas in the Field of View.



Power WDR for Underexposure




Power Pix cameras correct underexposure in indoor scenes to capture all the details in the dark areas of the Field of View.



Auto Smart IR

See what is really happening at night.



		Power Pix WDR Camera		
				
Model Number		D3361WTIR	V6361WTIR	B6361WTIR
Image Sensor		1/3" Power Pix WDR CMOS	1/3" Power Pix WDR CMOS	1/3" Power Pix WDR CMOS
Resolution	Color	690TVL	690TVL	690TVL
Lens		2.8-12mm	2.8-12mm	2.8-12mm
Min Illumination	Color	0.0 Lux	0.0 Lux	0.0 Lux
	B/W	0.0 Lux	0.0 Lux	0.0 Lux
Adjustment Range	Pan	360	360	
	Tilt	55	70	
	Rotation	360	360	
Angle of View(Horizontal)		H : 90° ~ 28°	H : 90° ~ 28°	H : 90° ~ 28°
Power / Auto Line lock		AC/DC	AC/DC	AC/DC
Day / Night		TDN, IR Cut filter	TDN, IR Cut filter	TDN, IR Cut filter
IR Distance		100ft	100ft	100ft
WDR		WDR	WDR	WDR
AGC / BLC		AGC	AGC	AGC
DNR		2D DNR	2D DNR	2D DNR
Secondary BNC output		Yes	Yes	Yes
Operation temperature		-10℃ ~ +50℃	-10℃ ~ +50℃	-10℃ ~ +50℃
IP Rating			IP 66	IP 66
Power consumption		DC12V: 1.8W, LED on 4.3W AC24V: 1.8W, LED on 4.3W	DC12V: 1.8W, LED on 4.3W AC24V: 1.8W, LED on 4.3W	DC12V: 1.8W, LED on 3.2W AC24V: 1.8W, LED on 3.2W
Certification		FCC/CE	FCC/CE	FCC/CE
Weight		0.5 lbs	1.65 lbs	1.7 lbs
Mounting options			WM, CM, CNM, Junction Box	Junction Box

Model Number		LPR650
Image Sensor		SONY Super II HAD CCD
Resolution	B/W	620TVL
Lens		6-50mm
Min Illumination	B/W	0.0 Lux
Angle of View(Horizontal)		65.3° ~ 8.1°
Power / Auto Line lock		AC/DC/ Line Lock
Programmable Privacy Zone		8 Zones
Day / Night		IR Pass Filter
Starlight (Super Low Light)		x1024
IR Distance		100ft
AGC / BLC		Yes
DNR		SMART 3D DNR
HME		Yes
Secondary BNC output		Yes
Operation temperature		-10°C ~ +50°C
IP Rating		IP 66
Power consumption		DC12V/ LED on 6.6W AC24V/ LED on 7.1W
Certification		FCC/CE
Weight		1.52 lbs
Mounting options		Junction Box, Pole Mount

LPR Camera

License Plate Recognition Camera

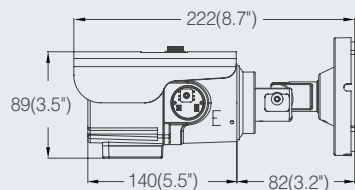
DWC-LPR650

Weather Proof Bullet (with License Plate Recognition Technology)

The LPR has been engineered to deliver the best performance in capturing license plates in any extreme light conditions. Its Plate Recognition Technology guarantees consistent, reliable plate capture both day and night. The 6 to 50mm varifocal auto iris lens provides unquestionable 620 TVL images from a range of 13 to 30 feet.



Dimensions Unit : mm (in)



Captures License Plates up to 50mph

▶ Every Pixel Tells A Story Make Sure You See Them All



PIXIM Nightwolf Provides Unparalleled Image Quality in any Lighting Condition

PIXIM's powerful WDR delivers unprecedented image quality even in the most challenging lighting conditions.



True, Indisputable & Reliable Color

CCD camera expose all the Pixels in the array the same, which could lead to bright areas to be overexposed, and dark areas to be underexposed. PIXIM's Digital Pixel System® WDR Technology adjust the exposure of EACH of the Pixels in an image to handle unique lighting conditions and offer authentic White Balance and true color.



PIXIM Nightwolf Eliminates IR Reflections & Offers a Noise-Free Image

Nightwolf eliminates hot spots in scenes with near-field reflective objects, correctly exposing highlights and darker details simultaneously. In addition, it automatically eliminates Digital Noise that may compromise the quality of the image to offer the cleanest image available.



Smart DNR (Digital Noise Reduction)

Smart DNR produces less noise and more color at night without image lagging.



WDR Powerful WDR

(Overexposure Elimination)
Eliminates overexposure to capture all the details of the scene.



(Underexposure Elimination)
Eliminates underexposure to capture all the details of the scene.



IP66 IP 66 Certified

IP66 certified enclosure guarantees total protection against dirt particles, fog, or condensation.



DW		Pixim night wolf series				Value Pixim	
							
Model Number		D4365T	V4365T	B1365T	C235T	V365D	V365TIR
Image Sensor		PIXIM WDR CMOS	PIXIM WDR CMOS	PIXIM WDR CMOS	PIXIM WDR CMOS	PIXIM WDR CMOS	PIXIM WDR CMOS
Resolution	Color	690 Effective TVL	690 Effective TVL	690 Effective TVL	690 Effective TVL	690 Effective TVL	690 Effective TVL
Lens		3.3-12mm	3.3-12mm	3.3-12mm	C/CS Mount(*lens not included)	2.8-11mm	2.8-11mm
Min Illumination	Color	0.22 Lux [F1.2, 30IRE]	0.22 Lux [F1.2, 30IRE]	0.22 Lux [F1.2, 30IRE]	0.22 Lux [F1.2, 30IRE]	0.22 Lux [F1.2, 30IRE]	0.0 Lux
	B/W	0.01 Lux	0.01 Lux	0.01 Lux	0.01 Lux	0.01 Lux	0.0 Lux
Adjustment Range	Pan	360	360			360	360
	Tilt	90	90			60	60
	Rotation	360	360			360	360
Angle of View(Horizontal)		105.1"~26.7"	105.1"~26.7"	104.2"~29.8"		95.5'-30'	95.5'-30'
Power / Auto Line lock		AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock	AC/DC/ Line Lock
Programmable Privacy Zone		6 Zones	6 Zones	6 Zones	6 Zones	6 Zones	6 Zones
Day / Night		TDN, IR Cut filter	TDN, IR Cut filter	TDN, IR Cut filter	TDN, IR Cut filter	Electronic	TDN, IR Cut Filter
Starlight (Super Low Light)		x64	x64	x64	x64	x64	x64
IR Distance							85 ft
SMART IR							Smart IR
WDR		Yes	Yes	Yes	Yes	Yes	Yes
AGC / BLC		Yes	Yes	Yes	Yes	Yes	Yes
DNR		3D DNR	3D DNR	3D DNR	3D DNR	3D DNR	3D DNR
UTP / RS485		Yes	Yes				
Secondary BNC output		Yes	Yes	Yes	Yes	Yes	Yes
Operation temperature		-10°C ~ +55°C / 14F ~ +131F	-29°C ~ +55°C / -20F ~ +131F	-10°C ~ +55°C / 14F ~ +131F	-10°C ~ +55°C / 14F ~ +131F	-10°C ~ +55°C / 14F ~ +131F	-10°C ~ +55°C / 14F ~ +131F
IP Rating			IP 68	IP 66		IP 66	IP 66
Power consumption		DC12V: 2.1W AC24V: 2.2W	DC12V: 2.1W AC24V: 2.2W	DC12V: 3.9W AC24V: 4.2W	DC12V: 2.3W AC24V: 2.8W	DC12V: 2.46W AC24V: 3.0W	DC12V: 2.46W, LED on 5.6W AC24V: 3.0W, LED on 5.4W
Certification		FCC/CE	FCC/CE	FCC/CE	FCC/CE	FCC/CE	FCC/CE
Weight		0.507 lbs	2.028 lbs	1.5 lbs	0.6 lbs	2.05 lbs	2.10 lbs
Mounting options			WM, CM, FMSNAP, V4SSLD	Junction Box, Pole Mount		WM	WM



Super Speed Dome

DWC-PTZ39X / 12X

PTZ Series Speed Dome Camera

Digital Watchdog's Speed Dome Cameras lead the market in performance, size, flexibility, reliability, and cost. Developed with the same top standards of excellence our clients have come to trust over the years.

360° LIMITLESS

★ STAR-LIGHT™

WDR

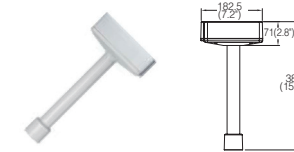
RS485

DW		Analog PTZ			
					
Model Number		PTZ39X	PTZ39XAL	PTZ39XFM	PTZ12X
Image Sensor		1/4" Ex-View HAD CCD	1/4" Ex-View HAD CCD	1/4" Ex-View HAD CCD	1/4" Sony Super II HAD
Resolution	Color	560TVL	560TVL	560TVL	700TVL
	B/W	600TVL	600TVL	600TVL	750TVL
Lens		Auto Iris 3.4~132.6mm	Auto Iris 3.4~132.6mm	Auto Iris 3.4~132.6mm	Auto Iris 3.8~45.6mm
Min Illumination	Color	1.2 Lux [F1.6, 30IRE]	1.2 Lux [F1.6, 30IRE]	1.2 Lux [F1.6, 30IRE]	0.5 Lux [F1.6, 30IRE]
	B/W	0.12 Lux	0.12 Lux	0.12 Lux	0.2 Lux
Power / Auto Line lock		AC / Line Lock	AC / Line Lock	AC / Line Lock	DV12V / AC24V
Optical Zoom		Optical 39X	Optical 39X	Optical 39X	Optical 12X
Digital Zoom		Digital 12X	Digital 12X	Digital 12X	Digital 32X
Programmable Privacy Zone		12 Zones	12 Zones	12 Zones	8 Zones
Day / Night		TDN, IR Cut filter	TDN, IR Cut filter	TDN, IR Cut filter	TDN, IR Cut filter
Starlight (Super Low Light)		x1024	x1024	x1024	x1024
WDR		Yes	Yes	Yes	Yes
AGC / BLC		Yes	Yes	Yes	Yes
DNR		3D DNR	3D DNR	3D DNR	3D DNR
Digital Image Stabilizer		Yes	Yes	Yes	Yes
Preset		127	127	127	127
Vector Drive technology		Yes	Yes	Yes	Yes
Pattern		4	4	4	4
Alarm input		8	8	8	2
Alarm output		4	4	4	1
RS485		Yes	Yes	Yes	Yes
Secondary BNC output		Yes	Yes	Yes	Yes
Operation temperature		-45°C ~ +50°C / -49F ~ +122F	-45°C ~ +50°C / -49F ~ +122F	-45°C ~ +50°C / -49F ~ +122F	-40°C ~ +55°C / -40F ~ +131F
IP Rating		IP 66	IP 66	IP 66	IP 66
Power consumption		AC24V: 24W Heater on: 57W	AC24V: 24W Heater on: 57W	AC24V: 24W	DC12V: 12W AC24V: 22W

PTZ39X Accessories

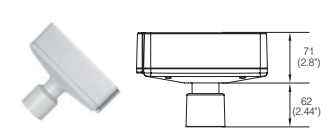
DWC-P39PM

Pendant Mount Bracket for PTZ39X



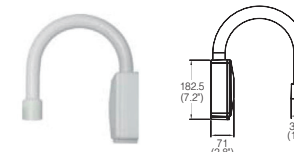
DWC-P39SPM

Short Pendant Mount Bracket for PTZ39X



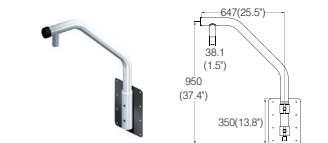
DWC-P39WM

Wall Mount Bracket for PTZ39X



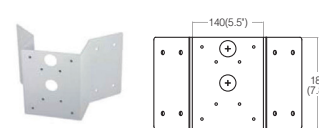
DWC-P39PARAM

Parapet Mount Bracket for PTZ39XAL



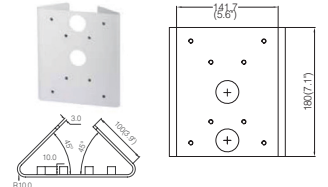
DWC-P39CNM

Corner Mount for PTZ39X
P12WM/P12WMS also Available



DWC-P39POLM

Pole Mount for PTZ39X
P12WM/P12WMS also Available



PTZ12X Accessories

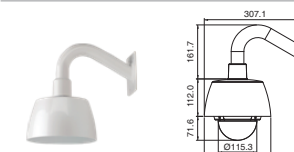
DWC-P12WM Indoor Wall Mount



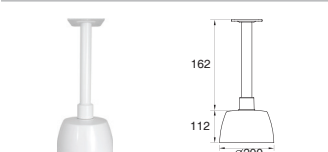
DWC-P12CM Indoor Ceiling Mount



DWC-P12WMS Sunshield Wall Mount



DWC-P12CMS Sunshield Ceiling Mount



Digital Watchdog

VMAX960H

MAXIMUM VALUE MAXIMUM PERFORMANCE

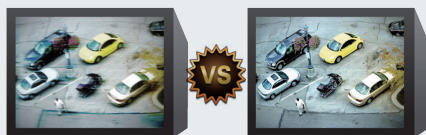


960H HORIZONTAL PIXELS

The VMAX960H is an advanced H.264 Stand Alone digital video recorder that records 480fps, Real-Time at 960 x 480, 960 x 240, 480 x 240. All the great features, such as Single Channel Search in Live, Single Touch Backup and Event management, can be controlled with the front panel, included USB mouse, or IR remote control. And with our special 5x Signal Extender, you can add the convenience of controlling cameras installed up to 5,000ft from the DVR, without losing clarity or quality. The DVR is available with basic storage from 1 to 12 Terabytes.

5x SIGNAL EXTENDER

Reduces digital noise and amplifies image quality over UTP (i.e. Cat 5, 6, etc.) or Coaxial (RG-59) cables with no repeaters or special installation. This technology was designed to optimize operation and eliminate the loss of details due to high frequency detail/blurring.



Cat 2/3 Cables		
MAX 3,000ft		
Cat 5/6 Cables		
MAX 3,000ft		
RG-59 Coaxial		
MAX 5,000ft		

Distance using Copper-Core Cable	Distance Using Non-Copper-Core Cable
Cat-5/ Cat-5e (RG-45 Cable)	4,000ft 2,000ft
Cat 6 (RG-45 Cable)	4,000ft N/A
Coaxial (BNC Cable)	5,000ft 1,500ft

Video Attendance Verification

Complete control, employee management, and fraud prevention.



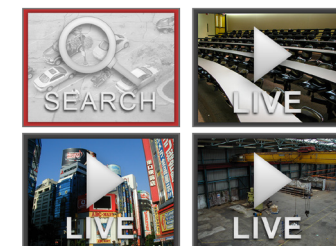
RAID REDUNDANT ARRAY OF INDEPENDENT DISKS

Creates an added layer of security through automated data backup. RAID 0, 1, 10 available.

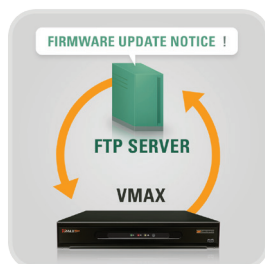


"Single Channel" Search

Allows you to playback for selected channel in live mode. (other channels are in live mode)



Remote FW Upgrade Through FTP



Simplify the DVR firmware upgrade process by connecting the VMAX to Digital Watchdog's FTP server. The DVR can automatically scan for firmware upgrades and recommend when a new firmware is found.

DVR Quick Setup



The VMAX guides you through all the crucial setup steps necessary for the proper operation of the DVR. By selecting the Quick Setup, you can follow and adjust the DVR's Network, Date & Time, and Recording information.

Remote Scheduled Backup



Using Digital Watchdog's powerful Pivot Software, Automatically backup the DVR's video to an external storage for your records.

Event Notification Via Email, SMS, and CMS Software



The VMAX lets you stay completely in touch with your security system by alerting you on events, HDD status or recording failure via e-mail, SMS, or a remote CMS.

Health Check & System Alert Notification



The VMAX offers true DVR health monitoring, alerting you when the DVR is experiencing recording failure, video loss, or storage failure beyond a set threshold.

Help Menu



Talk about the Help Menu here.



VMAX 960H Premium

Advanced H.264, 960H 480fps Recorder

5 Year
Limited
Warranty



Features

- Advanced H.264 Linux Embedded DVR
- Multiplex - Live, Playback, Recording, Backup, Network, Configuration
- Total 480fps at 960H x 480V
- HDMI and VGA Support
- One Touch Video Backup: One Touch Reverse Playback
- Scheduled Network Backup
- Covert Channel
- Call Monitor
- Web-Based Client with Multi-User Access
- Automatic Private IP Addressing
- Simple & Free DDNS Support
- NTP (Network Time Protocol)
- Network Bandwidth Control
- Watermark Verification (Digital Signature Verification)
- 5X signal Extender
- DVR Health Check with E-mail Notification
- DVR Calculation and Auto Recording Configuration
- Help Menu on Major Function
- Configuration Import / Export
- Auto or Manual Firmware Upgrade Available
- Up to 16 Sensor Input, 4 Sensor Output
- Looping Output for 16CH
- Digital Zoom
- E-mail or Text Event Notifications
- Central Management Software, Up to 128CH
- Mobile Application for iPhone, iPad, iPod, Android Smart Phones and Tablets, and Kindle Fire
- MAC Compatible Remote Software
- RAID 0.1.10.Support
- NAS / E-SATA

PART NUMBERS

8 Channel

- DW-V960H 8500
- DW-V960H 81T
- DW-V960H 82T
- DW-V960H 83T
- DW-V960H 84T
- DW-V960H 86T
- DW-V960H 89T
- DW-V960H 812T

16 Channel

- DW-V960H 16500
- DW-V960H 161T
- DW-V960H 162T
- DW-V960H 163T
- DW-V960H 164T
- DW-V960H 166T
- DW-V960H 169T
- DW-V960H 1612T

VMAX 960H Flex

Advanced H.264, 960H 480fps Recorder

5 Year
Limited
Warranty



Features

- Advanced H.264 Stand Alone DVR
- Multiplex - Live, Playback, Recording, Backup, Network, Configuration
- Record 30 Frames per Second on Every Channel
- One Touch Video Backup, Reverse Playback, & Emergency Recording
- Simple & Free DDNS Support
- Web-Based Client with Multi-User Access
- Scheduled Network Backup
- S.M.A.R.T Health Check with Email Notification
- HDD Calculation and Auto Recording Configuration
- Email & Text Event Notifications
- Watermark Verification (Digital Signature Verification)
- Help Menu on Major Functions
- Auto & Manual Firmware Upgrade Available
- Import / Export Configuration Between Multiple DVRs
- USB Mouse, IR Remote Control, GUI
- Central Management Software, Up to 128CH
- Mobile Application for iPhone, iPad, iPod, Android Smart Phones and Tablets, and Kindle Fire
- MAC Compatible Remote Software
- 5X signal Extender

PART NUMBERS

- VF960H81T
- VF960H82T
- VF960H83T
- VF960H84T
- VF960H86T
- VF960H161T
- VF960H162T
- VF960H163T
- VF960H164T
- VF960H166T

FaceStamp

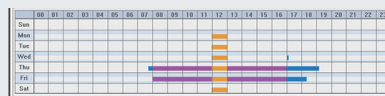
ATTENDANCE VERIFICATION SYSTEM

► THE ACCURACY OF SIGHT THE POWER OF VMAX960H

The FaceStamp is a powerful new way for small to mid-size businesses to manage their employees and prevent fraudulent behavior. By taking a snap shot of your employees while clock in and out of work everyday, you as a manager can monitor who clocks in on time, who is late, who is absent, and who is trying to coverup their absence by utilizing another co-worker to clock in for them. Combine your powerful 960H DVR with the peace of mind of the FaceStamp Employee management tool. Monitor your employees to prevent fraud and 'punch buddy' coverups, export advanced reports for records keeping and payroll.



Thumbnail view with time stamp



ATTENDANCE VERIFICATION SYSTEM



VMAX960H DVR
is required for FaceStamp Operation



VMAXFlex

Advanced H.264, CIF 480fps Recorder

5 Year
Limited
Warranty



Features

- Advanced H.264 Linux Embedded DVR
- Multiplex-Live, Playback, Recording, Backup, Network
- 120fps at D1, Total 480fps at CIF
- Optional Looping Output for 16CH
- Scheduled Network Backup Through CMS
- Covert Channel
- Web-Based Client w / Multi-User Access
- Simple & Free DDNS Support
- NTP (Network Time Protocol)
- Network Bandwidth Control
- Text or E-mail Event Notifications
- DVR Health Check w / E-mail Notification
- DVR Calculation and Auto Recording Configuration
- Help Menu on Major Function
- Configuration Import/Export
- Auto or Manual Firmware Upgrade Available
- Screen Saver to Protect Monitor Screen
- Up to 16 Sensor Input, 1 Sensor Output
- Central Management Software, Up to 128 CH
- Mobile Device Single & Multi View and PTZ Control
- Mobile Application for iPhone, Android
- Support 3G/4G Phones and Tablets
- Mac Compatible Remote Software

PART NUMBERS

4 Channel

- DW-VF4500G
- DW-VF41T
- DW-VF42T
- DW-VF43T

16 Channel

- DW-VF16500G
- DW-VF161T
- DW-VF162T
- DW-VF163T
- DW-VF164T
- DW-VF166T

8 Channel

- DW-VF8500G
- DW-VF81T
- DW-VF82T
- DW-VF83T

VMAX480

Advanced H.264, CIF 480fps Recorder

5 Year
Limited
Warranty



Features

- Advanced H.264 Linux Embedded DVR
- Multiplex - Live, Playback, Recording, Backup, Network, Configuration
- 120fps at D1, Total 480fps at CIF
- HDMI and VGA Support
- One Touch Video Backup; One Touch Reverse Playback
- DVD-RW Built-In
- Scheduled Network Backup
- Covert Channel
- Web-Based Client with Multi-User Access
- Simple & Free DDNS Support
- NTP (Network Time Protocol)
- Watermark Verification (Digital Signature Verification)
- Network Bandwidth Control
- DVR Health Check with Email Notification
- DVR Calculation and Auto Recording Configuration
- Help Menu on Major Function
- Configuration Import / Export
- Auto or Manual Firmware Upgrade Available
- Screen Saver to Protect Monitor Screen
- Up to 16 Sensor Input, 1 Sensor Output
- Optional Looping Output for 16CH
- Email or Text Event Notifications
- Central Management Software, Up to 128CH
- Mobile Application for iPhone, Android
- Support 3G/4G Phones and Tablets
- MAC Compatible Remote Software

PART NUMBERS

4 Channel

- DW-VMAX 4500G
- DW-VMAX41T
- DW-VMAX42T

16 Channel

- DW-VMAX480D 16500
- DW-VMAX480D 161T
- DW-VMAX480D 162T
- DW-VMAX480D 163T
- DW-VMAX480D 164T
- DW-VMAX480D 166T

8 Channel

- DW-VMAX480D 8500
- DW-VMAX480D 81T
- DW-VMAX480D 82T
- DW-VMAX480D 83T
- DW-VMAX480D 84T
- DW-VMAX480D 86T



Mobile Digital Video Recorder



DW-TP4500G

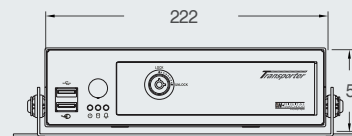
Features

- Advanced H.264 Linux Embedded DVR
- Multiplex - Live, View, Playback, Backup, Network, Configuration
- G-Sensor Technology: Automatic Collision Recording, Unusual Breaking Verication, Acceleration Detecting
- GPS Driven by Google Map: Vehicle Location and Traveled Route Detail; Veries Date and Time with Free Mapping CMS
- DVR Live Tracking
- Intelligent Power Management on Ignition & Supply Voltage
- Wireless Communication: Access Any Transporter via External Wireless Bridge or Wireless Mobile Router
- GPS Antenna Included
- 3 Year Limited Warranty
- Additional Power Supply for Cameras and Monitor
- HDD Safety Lock
- Anti Shock and Vibration Control
- Web-Based Client with Multi-User Access
- Automatic Private IP Addressing
- Simple & Free DDNS Support
- NTP (Network Time Protocol)
- Network Bandwidth Control
- Watermark Verification
- Configuration Import/Export
- Email Event Notifications
- VMAX Transporter Viewer CMS, Up to 64Ch
- USB Mouse, IR Remote Control GUI
- Mobile Application

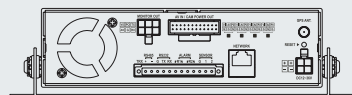
Specifications

Video Input		4 Channels	Video Input		4 Channels
Video Live	Framerate	30fps @ D1 / 120fps @ CIF	Alarm	Sensor Input	2 Ch
	Resolution	720 x 480(NTSC), 720 x 576(PAL)		Alarm Out	2 ch
Video Output		1 Composite	Operating System		Linux
Audio	Input	4 Ch	Screen Display		1, 4, and PIP
	Output	1 Ch	Screen Resolution		720 x 480(NTSC) / 720 x 576(PAL)

Dimensions Unit : mm



Transporter Front View



Transporter Rear View

VMAX Transporter
The Most Rugged Mobile DVR Ever Developed



✓ GPS Driven by Google Map, DVR Live Tracking

- Provides vehicle location and traveled route detail
- Time and date verification with free mapping CMS

✓ G-Sensor

✓ Wireless Communication Technology

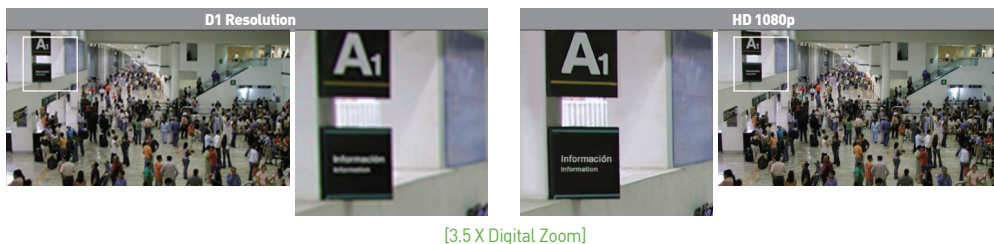
✓ Intelligent Power Management on Ignition and Supply Voltage





HD-SDI Overview

HD-SDI [High Definition Serial Digital Interface] is a high definition digital video technology that transmits 1080P video quality over coaxial cable. The HD-SDI technology transmits uncompressed video signal to the DVR. Digital Watchdog's HD-SDI cameras offer true megapixel image quality without the complexity of network IP cameras.



[3.5 X Digital Zoom]

Benefits



Control via Coax of DW's HD-SDI Cameras

Digital Watchdog's HD-SDI camera line combined with VMAXHD offer the unique ability to control the camera's OSD menu and optical lens remotely, with no additional cabling. Using the same BNC cable, you can control the camera's OSD and adjust the lens' focus and optical zoom remotely. This can shorten the installation process by allowing installers and customers to adjust and configure their cameras from the comfort of the DVR, remotely via the DVR's web viewer, or the mobile app.

Simply Beautiful, Beautifully Simple

Best of both worlds

HD-SDI cameras allow customers with an existing analog infrastructure to enjoy the paramount image quality of megapixel, without the hassle of converting the entire security system to a network security solution.

REMOTE MOBILE APPLICATION

The VMAXHD is equipped with a free and simple mobile application, for remote HD viewing and monitoring.



EMAIL NOTIFICATIONS WITH VIDEO

Receive an instant email notification when an event is detected with a short video clip attached corresponding to the event.



More Detail than IP Megapixel Cameras

HD-SDI cameras transmit video signal uncompressed via the BNC cables. This allows the camera to display very high image quality in live mode, in many cases superior to the image of an IP camera of an equal resolution. Since IP cameras have to compress and decompress the signal over the network, HD-SDI cameras are good solution for applications where details in live video are crucial.



Simple Configuration, Existing Installation-Megapixel Quality

HD-SDI cameras offer the clear image resolution of 720p or 1080p while using the existing analog cabling infrastructure. There is no need to run new network cables, nor any complicated IP configuration, making the installation faster, efficient, and cost effective.

DW		2.1MP (1080P)		2.1MP (1920x1080)				
								
Model Number		HVF21TIR	HD621TIR	HD421D	HD421TIR	HV421D	HV421TIR	HC421D
Image Sensor		1/2.8 CMOS	1/2.8 CMOS	1/2.8 CMOS	1/2.8 CMOS	1/2.8 CMOS	1/2.8 CMOS	1/2.8 CMOS
Resolution		1920x1080	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080
Lens		4.0mm	4.0mm	3.5-16mm	3.5-16mm	3.5-16mm	3.5-16mm	C/CS Mount(*lens not included)
Focus		fixed	fixed	Auto	Auto	Auto	Auto	
Optical zoom				4.5X	4.5X	4.5X	4.5X	
Digital zoom		12X	12X	8X	8X	8X	8X	8X
Horizontal angle of view		86°	86°	70.4° ~ 20.8°	70.4° ~ 20.8°	70.4° ~ 20.8°	70.4° ~ 20.8°	
Day and night		TDN, IR cut filter	TDN, IR cut filter	Electronic	TDN, IR cut filter	Electronic	TDN, IR cut filter	Electronic
Min Illumination	Color	Color: 0.1 Lux	Color: 0.1 Lux	F1.6 (30IRE): 0.5 Lux	0.0 Lux	F1.6 (30IRE): 0.5 Lux	0.0 Lux	F1.6 (30IRE): 0.5 Lux
	B/W	B/W: 0.01 Lux	B/W: 0.01 Lux	F1.6 (30IRE): 0.01 Lux	0.0 Lux	F1.6 (30IRE): 0.01 Lux	0.0 Lux	F1.6 (30IRE): 0.01 Lux
Motion detection		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Adjustment Range	Pan	360	360	360	360	360	360	
	Tilt	50	50	90	75	90	75	
	Rotation	360	360	360	360	360	360	
Programmable Privacy Zone		16 Programmable Zones	16 Programmable Zones	30 Programmable Zones	30 Programmable Zones	30 Programmable Zones	30 Programmable Zones	30 Programmable Zones
IR Distance		50ft	50ft		70ft		70ft	
WDR		Yes	Yes	Yes	Yes	Yes	Yes	Yes
3D DNR		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Secondary BNC output				Yes	Yes	Yes	Yes	Yes
Operation temperature		-10°C~55°C(-4°F~131°F)	-10°C~55°C(14°F~131°F)	-10°C~55°C(14°F~131°F)	-10°C~55°C(14°F~131°F)	-29°C~55°C(-20°F~131°F)	-29°C~55°C(-20°F~131°F)	-10°C~55°C(14°F~131°F)
IP Rating		IP66				IP68	IP68	
Power input		DC 12V	DC 12V	DC 12V	DC 12V	DC 12V	DC 12V	DC 12V
Power consumption		DC12V, 2.0W /IR on : 2.7W	DC12V, 2.0W /IR on : 2.7W	DC12V, 2.0W	DC12V, 2.0W, LED On: 3.5W	DC12V, 2.0W	DC12V, 2.0W, LED On: 3.5W	DC12V, 2.0W
Mounting options						WM, CM, FMSNAP, V4SSLD	WM, CM, FMSNAP, V4SSLD	

▶ VMAX HD



Advanced H.264, HD 120fps Recorder



Features

- Advanced H.264 Linux Embedded DVR
- Multiplex - Live, Playback, Recording, Backup, Network, Configuration
- HD 1080P at 60fps, HD 720P at 120fps
- 4CH Video, 4CH Audio
- HDMI and VGA Output
- 4 Sensor Input, 1 Sensor Output
- Digital Zoom to Selectable Area
- Covert Channel
- Web-Based Client with Multi-User Access
- Network Time Protocol
- Watermark Verification (Digital Signature Verification)
- DVR Health Check with Email Notification
- DVR Calculation and Auto Recording Configuration
- Help Menu on Major Function
- Manual Firmware Upgrade Available
- Email Event Notifications
- RS-232C and RS-485 Built-in
- Remote Operation & Configuration
- USB Mouse, IR Remote Control GUI
- Up to 4 Internal HDD Supported
- 2 Year Limited Warranty
- E-Sata Support

PART NUMBERS

4 Channel

- DW-VHD41TB
- DW-VHD 42TB
- DW-VHD 44TB
- DW-VHD 46TB
- DW-VHD 48TB
- DW-VHD 412TB



Advanced H.264, HD 120fps Recorder



Features

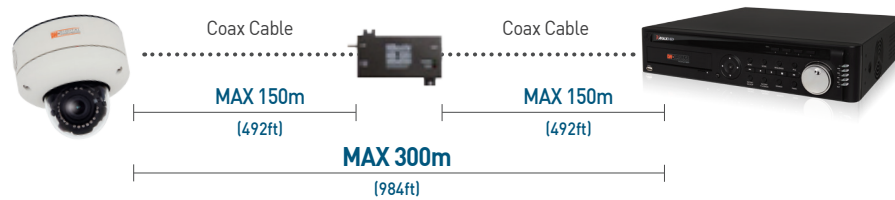
- Full HD 1080p (1920X1080) @ 60fps, 720P (1280x720) @ 120fps
- Multiplex- Live, Record, Playback, Backup, Network
- Advanced H.264 Linux Embedded DVR
- 2 Spot Analog Monitor Support
- 4CH Video & 4CH Audio
- Simultaneous HDMI & VGA Outputs
- 4 Sensor Input, 2 Sensor Output
- 8x Digital Zoom in Live and Playback
- Covert Channel per User with Designated Schedules
- Simple & Free DDNS
- Watermark Verification (Digital Signature Verification)
- Email Notification & Event Callback to Remote Client
- DVR Calculation and Auto Recording Configuration
- Picture in Picture View (PIP)
- Emergency Recording
- Clip Backup for Single Camera with MP4 Format
- Remote Live and Playback Access to other VMAXHD Flex DVR
- USB Mouse & IR Remote Controller Included
- Up to 2 Internal HDD Supported
- 5 Year Limited Warranty

PART NUMBERS

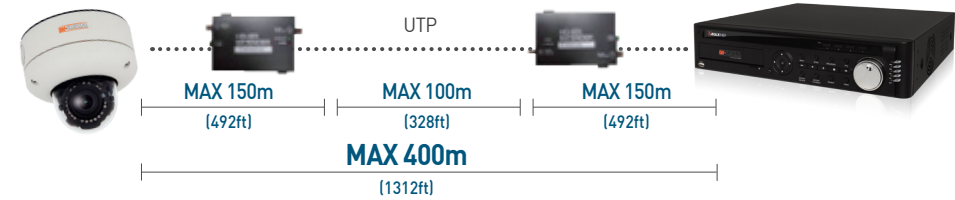
- VFHD41T
- VFHD42T
- VFHD43T
- VFHD46T

ACCESSORIES

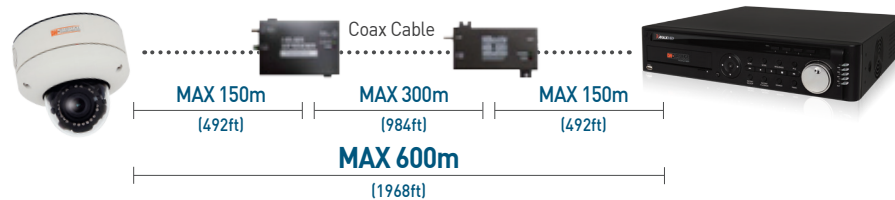
DW-HD-RPT



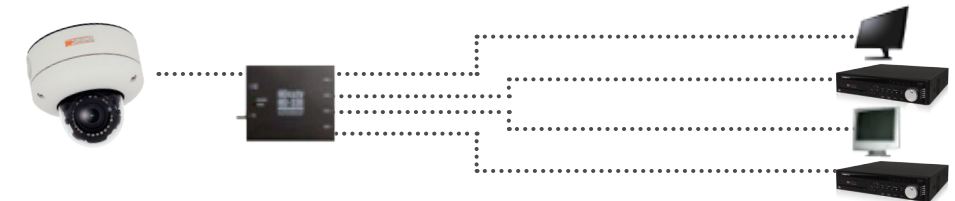
DW-HD-BALUN



DW-HD-EXT



DW-HD-SPLIT



	DW-HD-RPT	DW-HD-EXT	DW-HD-BALUN	DW-HD-SPLIT
Video Input	SMPTE 292M	1.485Gps HD-SDI	1.485Gps HD-SDI	SMPTE 292M
Video output	SMPTE 292M	270Mbps SD-SDI	270Mbps SD-SDI	SMPTE 292M
Resolution	Up to 1080p 30fps	Up to 1080p 30fps	Up to 1080p 30fps	Up to 1080p 30fps
Cable Length	300m (984ft)	600m (1968ft)	400m (1312ft)	-
Power Consumption	1.956w	2.244w	3.0w	3.0w
Power Requirement	12v. 1a	12v. 1a	12v. 1a	12v. 1a



Hybrid Central Management Software

Powerful, flexible, and absolutely free. Pivot is a hybrid central management software that is included with every Digital Watchdog DVR and IP Camera. Pivot manages up to 128 sites and cameras simultaneously.



Recommended Hardware Configuration

- 1 OS Windows XP or Vista 7
- 2 CPU Intel Core2Quad Q9400 or higher
- 3 Memory 4GB or higher
- 4 Graphic Card AMD 5000 Series or higher, Ge-Force GTS240 or higher

Features

- Multiple DVR and IP Camera Connections up to 128 Simultaneous Sites
- Live View up to 128 Channels
- Watch Live View and a Playback Video on the Same Screen
- Watermark Verification
- Remote DVR Settings Configuration
- System Log Viewer
- Date and Time Search
- Event Search
- Preview Search
- Panoramic Search
- Bookmark Search

Multi Tasking	Each channel performs an individual task. Live & Search can be seen simultaneously on the same screen.
128 Channels	128 channels viewed on a single screen. Provides the most advanced CMS system with a simple drag-n-drop tool.
Dual Monitor Support	The Pivot CMS supports dual monitors. Pivot can be extended to a second monitor for maximum view.
Interactive Interface	The drag-n-drop tool makes Pivot CMS the most advanced and user-friendly system in the market. Pivot's UX allows for complete control of the software and all sites from the same window.
Panoramic Search	Our panoramic search feature makes reviewing recorded videos even more precise. Simply select any channel on the system, and our panoramic search function will display every second of the video as screen shots, allowing your security specialist to analyze each segment in more detail.
Watermark Verification System	Our Watermarking System is the next step for data verification. We have implemented a 128-bit data encryption for each video data so that our system can detect any changes made to that data.

▶ VMAX Mobile APP

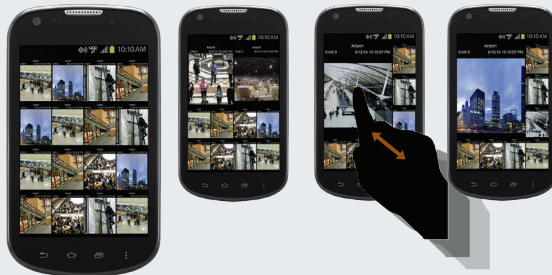


AUTO NETWORK CONFIGURATION

The DW mobile viewer for Apple and Android Smart Phones and Tablets is a free app that allows users to connect, Live view, and playback Digital Watchdog's analog video surveillance systems.

Supported Devices: VMAX Flex, 480, 960H, 960H Flex, VMAX D1, VMAX

Unprecedented Viewing Options on Live and Playback



VIEW 16 CHANNELS SIMULTANEOUSLY & CUSTOMIZE YOUR VIEWS

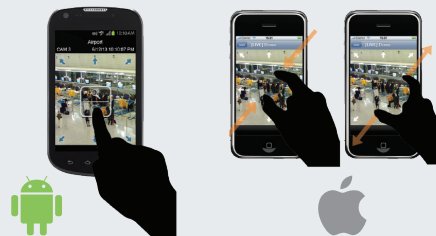
Choose from a variety of viewing options and freely customize the order of the channels by dragging and swapping different channel windows. Shake your mobile device to bring the windows back to their original positions.

PTZ Controls

PAN / TILT



ZOOM IN / OUT



Intuitive, Ease-of-use Operations



ONE BUTTON SCREEN CAPTURE

Simply click on the 'capture' button to immediately save the current view as a graphic file onto your mobile device.



SWITCHING THROUGH DIFFERENT CHANNELS

Run your finger across the screen from left-to-right to view the next channel or slide it right-to-left to view the previous channel.



ACCESSIBLE HELP MENU

Access the help menu at any time during your operation by clicking on the 'help' button situated within the app. The detailed documentation covers everything from connecting to your cameras to demo access information.



128 PTZ PRESETS

Put your PTZ cameras to work by using the fully customizable 128 PTZ presets. Access any pre-defined areas within seconds.

Powerful Elements Combined for *Simplicity and Innovation*



MEGAPIX

IP Camera Series

- H.264 Video Compression
- Up to 30fps
- Interactive Two-Way Audio Communication
- Variable Bandwidth Control
- Power over Ethernet [PoE]
- Web-Server Built-in / Free DDNS / No Additional Software Required for Viewing
- Remotely Upgradable for SW Functions
- Static and Dynamic IP (ADSL, DHCP, and DDNS) Support
- Event Notification by E-mail on Sensor and Motion Detection Trigger
- Multiple Levels of Password Protection



► IP Technology



TRIPLE CODEC

Real-time H.264, MPEG-4 and MJPEG Compression



Remote Auto Focus and Optical Zoom

Using a delicate powerful zoom lens controller from the camera's web-based UI, the camera provides crisp and clear images at all times with its unique remote Auto-Focus zoom.



Micro SD Card Support



MEGApix cameras come with built-in micro SD card slot for emergency backup. When the camera detects network loss, it will start recording locally.

Two-Way Audio



The MEGApix Cameras support two-way Audio for communications running between the camera's web-based UI and the camera's location.

ONVIF [Open Network Video Interface Forum]



A universal protocol that allows IP cameras to communicate with other manufacturer's recorder. Digital Watchdog's entire MEGApix camera line is conformant with the latest ONVIF protocol for increased flexibility and reduced total cost.



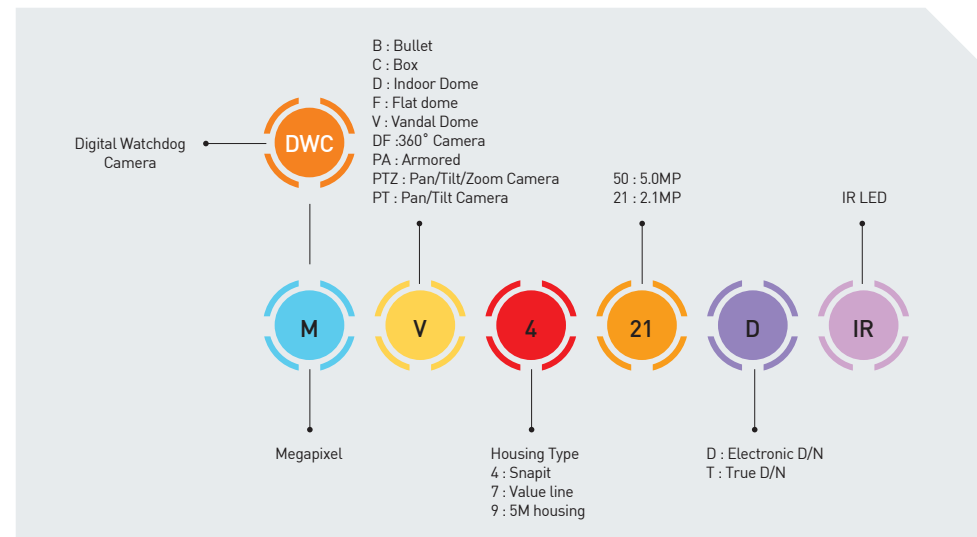
2nd BNC Output for Camera Installation







All MEGApix cameras offer the comfort of a secondary BNC video output on the board of the camera. This allows the installer to connect a regular BNC cable to the camera during the installation, guaranteeing the proper mounting and setup on the spot.









PoE [Power Over Ethernet]

All of DW's MEGApix cameras support PoE. This feature enables the camera to receive power via the same network cables it uses to transmit data. This simplifies the installation process, requiring only a single cable to power up, configure, and control your camera.



DW		2.1MP (1080P)			2.1MP (1920x1080)		
							
Model Number		MPA20M	MF21M4	MB721M4	MD421D	MD421DB	MD421TIR
Image Sensor		1/2.8 CMOS	1/2.8 CMOS	1/2.8 CMOS	1/2.8 CMOS	1/2.8 CMOS	1/2.8 CMOS
Resolution		1920x1080	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080
Lens		4.3mm	4.0mm	4.0mm	3.5-16mm	3.5-16mm	3.5-16mm
Focus		Fixed	Fixed	Fixed	Auto	Auto	Auto
Optical zoom					4.5X	4.5X	4.5X
Digital zoom		8X	12X	12X	8X	8X	8X
Horizontal angle of view		84.4°	86°	86°	70.4° ~ 20.8°	70.4° ~ 20.8°	70.4° ~ 20.8°
Day and night		Electronic	TDN, IR cut filter	TDN, IR cut filter	Electronic	Electronic	TDN, IR cut filter
Video compression		H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4
Frames per second		30	30	30	30	30	30
Min Illumination	Color	F1.6 (30IRE): 0.8 Lux	0.0 Lux	0.0 Lux	F1.6 (30IRE): 0.5 Lux	F1.6 (30IRE): 0.5 Lux	0.0 Lux
	B/W	F1.6 (30IRE): 0.01 Lux	0.0 Lux	0.0 Lux	F1.6 (30IRE): 0.01 Lux	F1.6 (30IRE): 0.01 Lux	0.0 Lux
Audio support					2-way	2-way	2-way
Alarm in / outputs					Yes	Yes	Yes
Motion detection		Yes	Yes	Yes	Yes	Yes	Yes
Adjustment Range	Pan	0	360		360	360	360
	Tilt	90	50		90	90	75
	Rotation	360	360		360	360	360
Programmable Privacy Zone		30 Programmable Zones	30 Programmable Zones	30 Programmable Zones	30 Programmable Zones	30 Programmable Zones	30 Programmable Zones
On board storage			SDHC slot available	SDHC slot available	SDHC slot available	SDHC slot available	SDHC slot available
IR Distance			50ft	50ft			70ft
WDR		No	Yes	Yes	Yes	Yes	Yes
3D DNR		Yes	Yes	Yes	Yes	Yes	Yes
Onvif		Yes	Yes	Yes	Yes	Yes	Yes
Network protocol		TCP/IP, HTTP, DHCP, PPPoE, ICMP, ARP, RARP, RTSP, NTP, UDP, Multicast					
Secondary BNC output					Yes	Yes	Yes
Operation temperature		-10°C~55°C(14°F~131°F)	-20°C~55°C(-4°F~131°F)	-30°C~55°C(-22°F~131°F)	-10°C~55°C(14°F~131°F)	-10°C~55°C(14°F~131°F)	-10°C~55°C(14°F~131°F)
IP Rating		IP66	IP66	IP66			
Power input		DC 12V, PoE (IEEE802.3af Class 2)	DC 12V, PoE (IEEE802.3af Class 2)	DC 12V, PoE (IEEE802.3af Class 2)	DC 12V, PoE (IEEE802.3af Class 3)	DC 12V, PoE (IEEE802.3af Class 3)	DC 12V, PoE (IEEE802.3af Class 3)
Power consumption		5.16W, 430mA	IR OFF: 3.6w, 300mA IR ON: 4.3W, 360mA	IR OFF: 3.5w, 290mA IR ON: 5W, 430mA	7.2w, 600mA	7.2w, 600mA	IR OFF: 7.2w, 600mA IR ON: 8.64W, 720mA
Mounting options							

DW		2.1MP (1920x1080)					
							
Model Number		MD421TIRB	MV421D	MV421DB	MV421TIR	MV421TIRB	MB421TIR
Image Sensor		1/2.8 CMOS	1/2.8 CMOS	1/2.8 CMOS	1/2.8 CMOS	1/2.8 CMOS	1/2.8 CMOS
Resolution		1920x1080	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080
Lens		3.5-16mm	3.5-16mm	3.5-16mm	3.5-16mm	3.5-16mm	3.5-16mm
Focus		Auto	Auto	Auto	Auto	Auto	Auto
Optical zoom		4.5X	4.5X	4.5X	4.5X	4.5X	4.5X
Digital zoom		8X	8X	8X	8X	8X	8X
Horizontal angle of view		70.4° ~ 20.8°	70.4° ~ 20.8°	70.4° ~ 20.8°	70.4° ~ 20.8°	70.4° ~ 20.8°	70.4° ~ 20.8°
Day and night		TDN, IR cut filter	Electronic	Electronic	TDN, IR cut filter	TDN, IR cut filter	TDN, IR cut filter
Video compression		H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4
Frames per second		30	30	30	30	30	30
Min Illumination	Color	0.0 Lux	F1.6 (30IRE): 0.5 Lux	F1.6 (30IRE): 0.5 Lux	0.0 Lux	0.0 Lux	0.0 Lux
	B/W	0.0 Lux	F1.6 (30IRE): 0.01 Lux	F1.6 (30IRE): 0.01 Lux	0.0 Lux	0.0 Lux	0.0 Lux
Audio support		2-way	2-way	2-way	2-way	2-way	2-way
Alarm in / outputs		Yes	Yes	Yes	Yes	Yes	Yes
Motion detection		Yes	Yes	Yes	Yes	Yes	Yes
Adjustment Range	Pan	360	360	360	360	360	
	Tilt	75	90	90	75	75	
	Rotation	360	360	360	360	360	
Programmable Privacy Zone		30 Programmable Zones	30 Programmable Zones	30 Programmable Zones	30 Programmable Zones	30 Programmable Zones	30 Programmable Zones
On board storage		SDHC slot available	SDHC slot available	SDHC slot available	SDHC slot available	SDHC slot available	SDHC slot available
IR Distance		70ft			70ft	70ft	100ft
WDR		Yes	Yes	Yes	Yes	Yes	Yes
3D DNR		Yes	Yes	Yes	Yes	Yes	Yes
Onvif		Yes	Yes	Yes	Yes	Yes	Yes
Network protocol		TCP/IP, HTTP, DHCP, PPPoE, ICMP, ARP, RARP, RTSP, NTP, UDP, Multicast					
Secondary BNC output		Yes	Yes	Yes	Yes	Yes	Yes
Operation temperature		-10°C~55°C(14°F~131°F)	-29°C~55°C(-20°F~131°F)	-29°C~55°C(-20°F~131°F)	-29°C~55°C(-20°F~131°F)	-29°C~55°C(-20°F~131°F)	-29°C~55°C(-20°F~131°F)
IP Rating			IP68	IP68	IP68	IP68	IP66
Power input		DC 12V, PoE (IEEE802.3af Class 3)	DC 12V, PoE (IEEE802.3af Class 3)	DC 12V, PoE (IEEE802.3af Class 3)	DC 12V, PoE (IEEE802.3af Class 3)	DC 12V, PoE (IEEE802.3af Class 3)	DC 12V, PoE (IEEE802.3af Class 3)
Power consumption		IR OFF: 7.2w, 600mA IR ON: 8.64W, 720mA	7.2w, 600mA	7.2w, 600mA	IR OFF: 7.2w, 600mA IR ON: 8.64W, 720mA	IR OFF: 7.2w, 600mA IR ON: 8.64W, 720mA	IR OFF: 9W, 750mA IR ON: 14.4W, 1200mA
Mounting options			WM, CM, FMMPSNAP, V4SSLD	WM, CM, FMMPSNAP, V4SSLD	WM, CM, FMMPSNAP, V4SSLD	WM, CM, FMMPSNAP, V4SSLD	BLJUNC, PMB-B4U



2.1MP (1920x1080)





Model Number		MB421TIR650	MC421D
Image Sensor		1/2.8 CMOS	1/2.8 CMOS
Resolution		1920x1080	1920x1080
Lens		6-50mm	C/CS Mount[*lens not included]
Focus		Auto	
Opical zoom		8X	
Digital zoom		8X	8X
Horizontal angle of view		50.4° ~ 6.6°	
Day and night		TDN, IR cut filter	Electronic
Video compression		H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4
Frames per second		30	30
Min Illumination	Color	0.0 Lux	F1.6 (30IRE): 0.5 Lux
	B/W	0.0 Lux	F1.6 (30IRE): 0.01 Lux
Audio support		2-way	2-way
Alarm in / outputs		Yes	Yes
Motion detection		Yes	Yes
Adjustment Range	Pan		
	Tilt		
	Rotation		
Programmable Privacy Zone		30 Programmable Zones	30 Programmable Zones
On board storage		SDHC slot available	SDHC slot available
IR Distance		100ft	
WDR		Yes	Yes
3D DNR		Yes	Yes
Onvif		Yes	Yes
Network protocol			
Secondary BNC output		Yes	Yes
Operation temperature		-29°C~55°C(-20°F~131°F)	-10°C~55°C(14°F~131°F)
IP Rating		IP66	X
Power input		DC 12V, PoE (IEEE802.3af Class 3)	DC 12V, PoE (IEEE802.3af Class 3)
Power consumption		IR OFF : 9W, 750mA IR ON : 14.4W, 1200mA	6.5W, 550mA
Mounting options		BLJUNC, PMB-B4U	

PTZ Camera, 2.1MP (1920x1080)



MPTZ20X	MPTZ20FM	MPTZ5X	MPTZ5XFM
1/2.8" 3.0 M CMOS	1/2.8" 3.0 M CMOS	1/2.8 CMOS	1/2.8 CMOS
1920x1080	1920x1080	1920x1080	1920x1080
f=4.7 ~ 94.0 mm	f=4.7 ~ 94.0 mm	f=5.0 ~ 25.0mm	f=5.0 ~ 25.0mm
AUTO	AUTO	AUTO	AUTO
20X	20X	5X	5X
12X	12X	12X	12X
54.4° ~ 2.9°	54.4° ~ 2.9°	49.2°(W) ~ 10.52°(T)	49.2°(W) ~ 10.52°(T)
TDN, IR cut filter	TDN, IR cut filter	TDN, IR cut filter	TDN, IR cut filter
H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4
30	30	30	30
Color: 1.7 Lux	Color: 1.7 Lux	Color: 0.1 Lux	Color: 0.1 Lux
B/W: 0.3 Lux	B/W: 0.3 Lux	B/W: 0.01 Lux	B/W: 0.01 Lux
2-way	2-way		
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
360	360	350	350
90	90	90	90
24 Programmable Zones	24 Programmable Zones	30 Programmable Zones	30 Programmable Zones
SDHC slot available	SDHC slot available	SDHC slot available	SDHC slot available
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
TCP/IP, HTTP, DHCP, PPPoE, ICMP, ARP, RARP, RTSP, NTP, UDP, Multicast			
-45°C ~ 50°C (-49°F ~ 122°F)	-10°C~55°C(14°F~131°F)	-10°C~55°C(14°F~131°F)	-10°C~55°C(14°F~131°F)
IP66	no IP rating	IP66	IP66
AC24V, PoE (IEEE802.3at)	AC24V, PoE (IEEE802.3at)	DC 12V, PoE (IEEE802.3af Class 3)	DC 12V, PoE (IEEE802.3af Class 3)
24V ; 900mA, 22W HEATER ON ; 1900mA, 46W	24V ; 900mA, 22W	12V, 430mA(PTZ Idle, 5W), 670mA(PTZ in operation, 8W)	12V, 430mA(PTZ Idle, 5W), 670mA(PTZ in operation, 8W)
P39POLM, P39CNM, P20SPM, P20WM, P20PM			

DW			PT Camera, 2.1MP (1920x1080)	
				
Model Number			MPT	MPTFM
Image Sensor			1/2.8 CMOS	1/2.8 CMOS
Resolution			1920x1080	1920x1080
Lens			4.0mm	4.0mm
Focus			fixed	fixed
Optical zoom				
Digital zoom			12X	12X
Horizontal angle of view			86°	86°
Day and night			TDN, IR cut filter	TDN, IR cut filter
Video compression			H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4
Frames per second			30	30
Min Illumination	Color	Color: 0.1 Lux		Color: 0.1 Lux
	B/W	B/W: 0.01 Lux		B/W: 0.01 Lux
Audio support				
Alarm in / outputs			Yes	Yes
Motion detection			Yes	Yes
Adjustment Range	Pan	350		350
	Tilt	90		90
	Rotation			
Programmable Privacy Zone			30 Programmable Zones	30 Programmable Zones
On board storage			SDHC slot available	SDHC slot available
IR Distance				
WDR			Yes	Yes
3D DNR			Yes	Yes
Onvif			Yes	Yes
Network protocol			TCP/IP, HTTP, DHCP, PPPoE, ICMP, ARP, RARP, RTSP, NTP, UDP, Multicast	
Secondary BNC output				
Operation temperature			-10°C~55°C(14°F~131°F)	-10°C~55°C(14°F~131°F)
IP Rate			IP66	IP66
Power input			DC 12V, PoE (IEEE802.3af Class 3)	DC 12V, PoE (IEEE802.3af Class 3)
Power consumption			12V, 430mA(PTZ Idle, 5W), 670mA(PTZ in operation, 8W)	12V, 430mA(PTZ Idle, 5W), 670mA(PTZ in operation, 8W)
Mounting options				

5.0MP (2592x1920)			
			
MV950TIR	MB950TIR	MC950D	MDF50D
1/2.5" 5MP CMOS	1/2.5" 5MP CMOS	1/2.5" 5MP CMOS	1/2.5" 5MP CMOS
2592 x 1920 HxV	2592 x 1920 HxV	2592 x 1920 HxV	2592 x 1920 HxV
3.4~10mm, F1.4	3.4~10mm, F1.4		Fisheye lens: 1.05 mm, F2.8
Manual	Manual		Fixed
3X	3X		
104°~35°	104°~35°	N/A	180°
TDN, IR cut filter	TDN, IR cut filter	TDN, IR cut filter	Electronic
Motion JPEG, MPEG-4, H.264 High Profile			
H.264/MJPEG: 10fps @ 5MP, 20fps @ 3MP, 30fps @ HD-1080p / HD-720p / SXGA / 1024 x 768 / 800 x 600 / D1 / VGA / QVGA / QQVGA / Minilux ModeMPEG4: 30fps @ HD-1080p / HD-720p / SXGA / 1024 x 768 / 800 x 600 / D1 / VGA / QVGA / QQVGA / Minilux Mode			
0.0 Lux	0.0 Lux	F1.2 (30IRE): 0.1 Lux	F1.2 (30IRE): 0.1 Lux
0.0 Lux	0.0 Lux		
2-way	2-way	2-way	2-way
Yes	Yes	Yes	N/A
Yes	Yes	Yes	Yes
360			
60'			
360			
5 Programmable Zones	5 Programmable Zones	5 Programmable Zones	5 Programmable Zones
SDHC slot available	SDHC slot available	SDHC slot available	SDHC slot available
50ft	80ft		
Yes	Yes	Yes	Yes
Supported, level adjustable on UI			
Supported, compatible Ver1.02			
TCP/IP, UDP, DHCP, PPPoE, HTTP, HTTPS, DNS, DynDNS, NTP, FTP, SMTP, UDP, RTP, RTSP, RTCP, 3GPP, UPnP, IPv4, SAMBA Client(NAS), IGMP, ICMP, ARP			
-25°C~55°C(-13°F~131°F)	-40°C~60°C(-40°F~140°F)	-10°C~50°C(14°F~122°F)	-10°C~50°C(14°F~122°F)
IP66	IP67		
Power over Ethernet IEEE 802.3af, 8~25 Vdc, 24 Vac			Power over Ethernet IEEE 802.3af
IR OFF: 4.5W IR ON: 8.9W		4.5W, 375mA	
WM			

Blackjack^{NVR} SERIES

POWERED BY
DW spectrum
IPVMS



Simply Powerful, Powerfully Simple



What is DW Spectrum?

Powerful and user-friendly video management solution, highly optimized to provide unlimited scalability, unmatched bandwidth savings, and simplified system setup and management.



BLADE Up to 16 2.1MP Cameras (1080P True HD Resolution)

CUBE Up to 64 2.1MP Cameras (1080P True HD Resolution)

* not shown

E-RACK Up to 128 2.1MP Cameras (1080P True HD Resolution)



Introducing

DW spectrum

2.0

- Region of Interest Feature with SpyGlass
- e-Mapping System Capabilities
- Text-to-Speech for Event Notifications
- Events and Actions Archive Log
- Video Color/Gamma Correction
- Visual Motion Indication
- Video Link & Snapshot Included in Motion Email Notifications
- Locked Layouts
- Translatable Tray Tool
- Advanced Camera Diagnostics
- ... and much more

► 4CH Video Encoder(Analog to IP)

I CP04

Compressor



Features

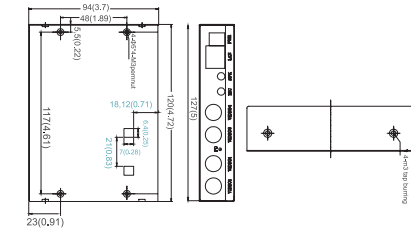
- OnVIF Compliant
- 4CH BNC In
- 120fps @ D1 Resolution
- Dual Codec (H.264/ MJPEG)
- Motion Detection
- Two- Way Audio
- Micro SD Card Interface
- RS-232/ RS-485 PTZ Control
- PSIA (v1.0) Conformance
- Search and Playback from the software interface
- FrameRate& Bandwidth Control
- 4 Alarm Inputs, 4 Alarm Outputs
- Event Notifications via E-mail with Image



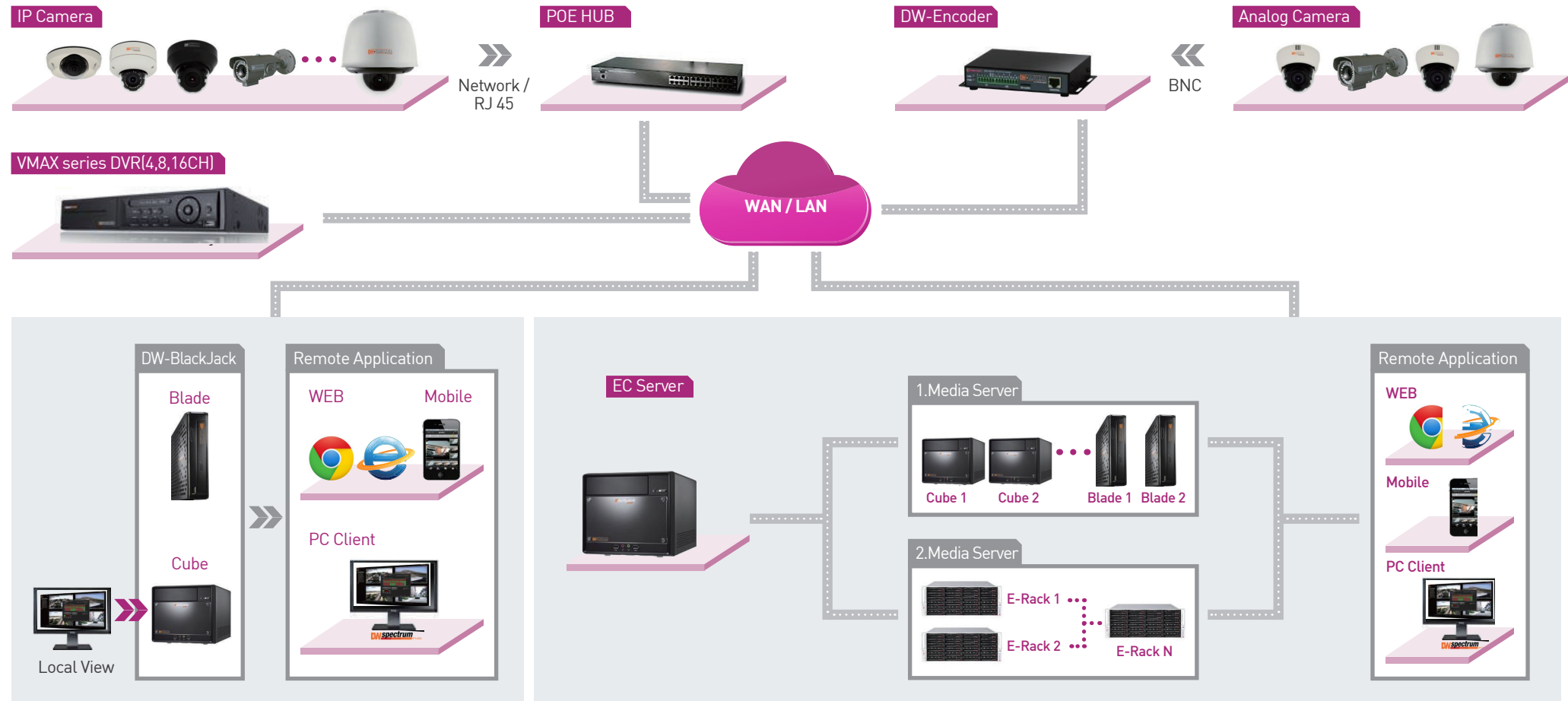
Specifications

CP04	
Video Input	4 Channels Analog
Video Encoding	Dual Codec (H.264 or MJPEG)
Resolution	D1 (704x480), CIF (352x288), 160x112
Live Casting	Streaming up to 120FPS @ D1 Resolution
Audio	Input 1 Channel Input
	Output 1 Channel Output
Codec	8bit G.711, 8KHz, 8KByte/sec
Memory	32bit RISC CPU, 128MByte Flash
OS	Embedded Linux
RAM	128MByte SDRAM

Dimensions Unit : mm (in)



► System Configuration





Unleash the power of our elegantly simple cutting edge new approach to managing HD surveillance video in the enterprise. The hyper-optimized architecture of this new video management platform provides unlimited scalability, automated device discovery and configuration, simplified setup and ease of use and the lowest total cost of deployment and ownership of any solution on the market Spectrum addresses the primary obstacles and limitations of managing enterprise HD video.

AUTO NETWORK CONFIGURATION

DW Spectrum will automatically discover, populate, and configure cameras on the network. Easily drag and drop cameras across servers and observe seamless enterprise recording!

- Cross Platform: Windows and Linux
- Advanced Pan Temporal Timeline
- System Health Monitoring
- Simple Enterprise Scalability
- Auto Device Discovery
- Advanced Motion Detection
- HD Screen Recording
- Fully Customizable Layouts



DUAL STREAM RECORDING

Cameras can be set to record at high resolution when motion is detected and low resolution at all other times.



CUSTOMIZABLE LAYOUTS

DW Spectrum allows users to fully customize their layout views. No more limited pre-set views. As a user, you are free to customize a layout that fits your individual viewing and management preferences.



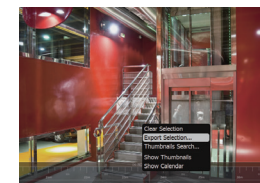
THUMBAIL SEARCH

Chronologically narrow down your search to frame-by-frame detail for finding that critical moment.



INSTANT VIDEO EXPORT

Mark your selection and export as an avi, mkv, and executable file in a quick, simple, and intuitive timeline interface.



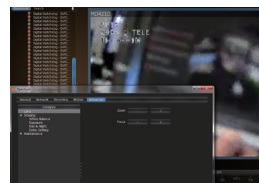
SEAMLESS TRANSITION FROM LIVE TO PLAYBACK

Easily switch between live and review mode by simply scrolling back in time.



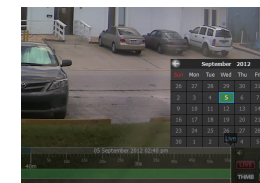
ZOOM / AUTOFOCUS

Digital Watchdog's Megapixel Cameras are fully integrated with DW Spectrum. Remotely access all camera features including zoom, autofocus, WDR, brightness, etc.



ADVANCED SEARCH CAPABILITIES

DW Spectrum offers a number of ways to quickly and accurately isolate the critical video security evidence users need, including calendar search and panoramic search.



PANORAMIC CAMERA SINGLE LICENSING

DW Spectrum offers seamless simplicity with our single license requirement for all cameras, which includes Arecont's SurroundVideo IP Cameras at no extra cost.



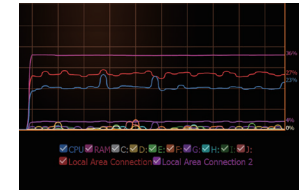
SPYGLASS (REGION OF INTEREST)

The Spyglass feature lets you zoom into any area within a camera's field-of-view and watch the selected region as a separate display, allowing you to monitor smaller regions of interest separately from the overall camera's image.



GRAPHICAL SYSTEM HEALTH MONITORING

Access vital information about the HDD, CPU, and RAM health through informative, easy-to-understand graphical format.



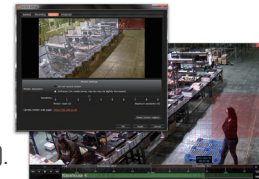
ADVANCED PTZ CONTROL

DW Spectrum provides unprecedented freedom in PTZ cameras control. The intuitive radial controller can be used to alter the camera's direction in all 3 axis, or simply draw a box within any region to immediately focus and zoom onto the area.



MOTION / SMART SEARCH

Easily pinpoint and identify general motion, missing and foreign objects. Quickly and continuously watch video on user-selected areas (marked in red).



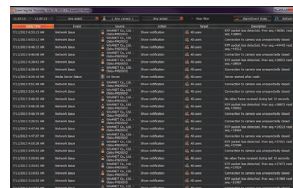
FISHEYE SCREEN DE-WARPING

DW Spectrum is built to be fully compatible with the market's leading Hemispheric cameras and is able to translate the camera's feed into multiple viewing methods including panoramic screens that de-warp the camera's image for a fully detailed view.



LOG REPORT & SEARCH

Any operational issues that may arise in your surveillance setup can be traced through the advanced log system provided by DW Spectrum, which comes fully equipped with detailed filtering methods to help you identify a specific problem and exporting options for your personal records.



RULES & ACTIONS CUSTOMIZATION

Automating maintenance tasks with the Rules & Actions feature of DW Spectrum is convenient and easy-to-use. Quickly setup alerts and notifications from network and storage failure, to motion detection or sensor activation on a camera. Setup to receive popup notifications, voice alerts, or an e-mail with the event link.





Blade



Features

GENERAL

- Cross-Platform: Windows and Linux
- Graphical System Health Monitoring
- Simple Enterprise Scalability

LIVE (Remote Only)

- Fully Customizable Layouts
- Easy Drag-n-Drop Camera Management and Recording
- Advanced Motion Masking and Sensitivity Settings
- PTZ Control

PLAYBACK (Remote Only)

- Instant Motion-Based Smart Search
- Advanced Thumbnail Search and Calendar Search
- Dual Stream Recording
- Frame-by-Frame Search

SPECIAL

- Automatic Device Discovery and Display
- HD (1080p) Screen Recording
- Panic Recording
- ONVIF Conformant



Specifications

# of Cameras	16
Recording Performance	Max 80 Mbps *
CPU	Atom D2700
Memory	2GB
Network	1000 Mbps
Video	On Board
Video Port	VGA / HDMI (for network configuration only)
OS	Linux
HDD	Up to 2TB
Dimensions (in)	10 (L) x 1.6 (W) x 6.4 (H)
Weight	4.53 lbs
Power Consumption	40 Watts, 19V DC, 2.1 Amps

*Max Recording throughput (80Mbps): Approx. 16ch 5-Megapixel H.264 cameras at 10fps when server is streaming out 16 channels of live or playback video.

Cube



Features

GENERAL

- Cross-Platform: Windows and Linux
- Graphical System Health Monitoring
- Simple Enterprise Scalability
- Local Client Display

LIVE (Locally Remotely)

- Fully Customizable Layouts
- Easy Drag-n-Drop Camera Management and Recording
- Advanced Motion Masking and Sensitivity Settings
- PTZ Control

PLAYBACK (Locally or Remotely)

- Instant Motion-Based Smart Search
- Advanced Thumbnail Search and Calendar Search
- Dual Stream Recording
- Frame-by-Frame Search

SPECIAL

- Automatic Device Discovery and Display
- HD (1080p) Screen Recording
- Panic Recording
- ONVIF Conformant



Specifications

# of Cameras	64
Recording Performance	Max 360 Mbps *
CPU	i-5 3550
Memory	8GB
Network	1000 Mbps (2x) Dual NIC Card
Video	On Board (intel)
Video Port	DVI-I (for Analog) / DVI-D (for Digital)
OS	Windows 7 64bit
HDD	Up to 9TB
Dimensions (in)	12.8 (L) x 8.5 (W) x 7.5 (H)
Weight	Varies according to HDD Space
Power Consumption	250 Watts, 100 AC, 2.5 Amps

*Max Recording throughput (360Mbps): Approx. 64ch 5-Megapixel H.264 cameras at 10fps when server is streaming out 16 channels of live or playback video.

Blackjack E RACK



E-Rack

2U - 8 Bay



2U - 12 Bay



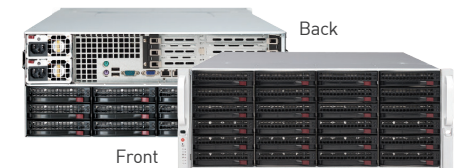
3U - 16 Bay



4U - 24 Bay



4U - 36 Bay



Features

GENERAL

- Cross-Platform Software: Windows and Linux
- Advanced Graphics
- System Health Monitoring
- Simple Enterprise Scalability
- Local Client Display
- Manually Add Cameras Using RTSP URL
- Manual Stream Quality Control
- Camera Lists for Optimal Camera Control
- Server Auto Login
- Automatic Device Discovery and Display
- HD (1080p) Screen Recording
- Panic Recording
- ONVIF Conformant
- Advanced Events & Actions Rules
- Remote EC Log Access
- Email Notifications with Event Playback Link

PLAYBACK (Locally or Remotely)

- Instant Motion-Based Smart Search
- Advanced Thumbnail Search and Calendar Search
- Dual Stream Recording
- Frame-by-Frame Search
- Event Log Search

HARDWARE

*Not Supported on DW-BJE2U Models

- Data Redundancy with RAID-5.*
- Redundant Power Supply.*
- Hot-Swappable HDD bay (Recording Data)
- Fastest System Boot Up with SSD(OS)
- Dual Giga-bit Network
- Dual Memory Configuration
- I7(Gen 3rd) CPU

LIVE (Locally / Remotely)

- Fully Customizable Layouts
- Easy Drag-n-Drop Camera Management and Recording
- Region of Interest with Spyglass Camera Display
- E-Mapping
- Advanced Virtual PTZ Control
- Video Color Adjustment

Specifications

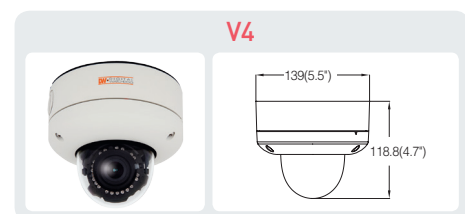
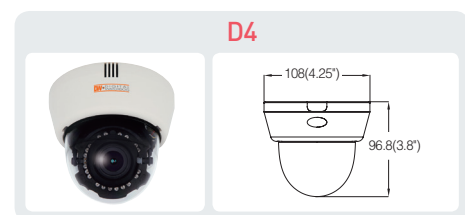
	DW-BJE2U	DW-BJER2U	DW-BJER3U	DW-BJER4U	DW-BJER4U
# of Cameras	128	128	128	128	128
Recording Performance	600 Mbps	600 Mbps	600 Mbps	600 Mbps	600 Mbps
CPU	I7 (Intel 3rd Generation)	I7 (Intel 3rd Generation)	I7 (Intel 3rd Generation)	I7 (Intel 3rd Generation)	I7 (Intel 3rd Generation)
Memory	8G(8X2 Dual Channel)	8G(8X2 Dual Channel)	8G(8X2 Dual Channel)	8G(8X2 Dual Channel)	8G(8X2 Dual Channel)
Network	1Gbps x 2	1Gbps x 2	1Gbps x 2	1Gbps x 2	1Gbps x 2
Video	ATI	ATI	ATI	ATI	ATI
Video Port	VGA / HDMI x 2 / DP x 4	VGA / HDMI x 2 / DP x 4	VGA / HDMI x 2 / DP x 4	VGA / HDMI x 2 / DP x 4	VGA / HDMI x 2 / DP x 4
OS	Win 7 64 Bit	Win 7 64 Bit	Win 7 64 Bit	Win 7 64 Bit	Win 7 64 Bit
HDD*	60G SSD (OS) / 4TB ~ 32TB	60G SSD (OS) / 16TB ~ 48TB	60G SSD (OS) / 52TB ~ 64TB	60G SSD (OS) / 68TB ~ 96TB	60G SSD (OS) / 100TB ~ 144TB
Dimensions (in)	25.5 (L) x 17.2 (W) x 3.5 (H)	25.5 (L) x 17.2 (W) x 3.5 (H)	25.5 (L) x 17.2 (W) x 5.2 (H)	26 (L) x 17.2 (W) x 7 (H)	27.5 (L) x 17.2 (W) x 7.2 (H)
Weight (without HDD)	50 lbs	52 lbs	75 lbs	75 lbs	80 lbs
Power	600W	Dual Power (1000W)	Dual Power (1000W)	Dual Power (1280W)	Dual Power (1280W)
Operating Temperature	10°C - 35°C (50°F - 95°F)	10°C - 35°C (50°F - 95°F)	10°C - 35°C (50°F - 95°F)	10°C - 35°C (50°F - 95°F)	10°C - 35°C (50°F - 95°F)
External Ports	1x Keyboard/ Mouse, 4x USB 2.0, 2x USB 3.0, 1x RS-232, HD Audio in & Out	1x Keyboard/ Mouse, 4x USB 2.0, 2x USB 3.0, 1x RS-232, HD Audio in & Out	1x Keyboard/ Mouse, 4x USB 2.0, 2x USB 3.0, 1x RS-232, HD Audio in & Out	1x Keyboard/ Mouse, 4x USB 2.0, 2x USB 3.0, 1x RS-232, HD Audio in & Out	1x Keyboard/ Mouse, 4x USB 2.0, 2x USB 3.0, 1x RS-232, HD Audio in & Out
RAID	None	RAID 5	RAID 5	RAID 5	RAID 5 / 50

* The actual size will differ depends on the RAID configuration [4TB HDD - Actual Recording Size is 3.63TB / Total Recordable Size with RAID 5 = Total Size of Installed HDD minus 1 HDD Size Parity (3.63TB)]

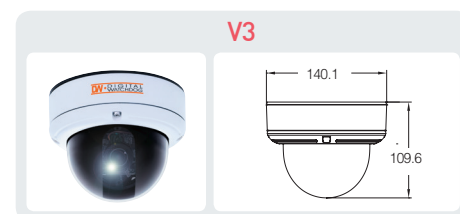
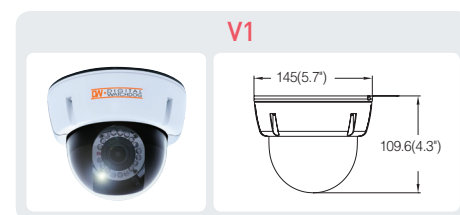
Appendix Camera Dimensions

Analog Camera Housing

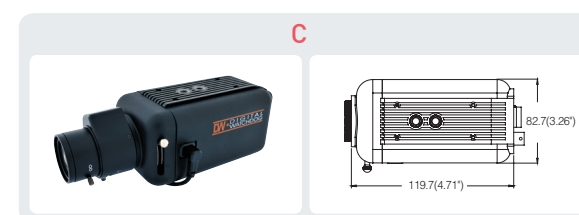
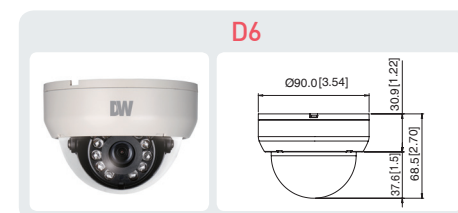
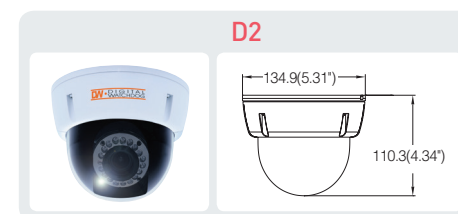
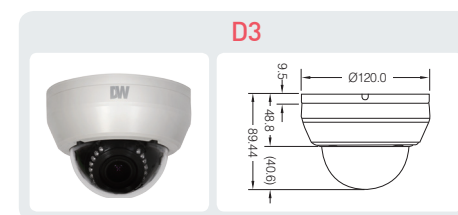
Snapit series



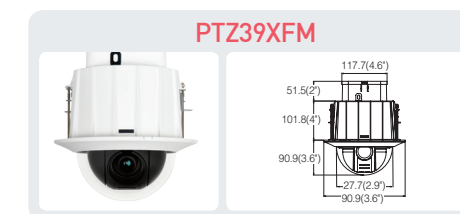
Vandal housing



Indoor Housing

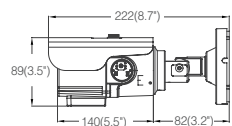


PTZ

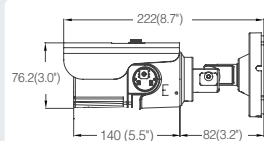


Bullet

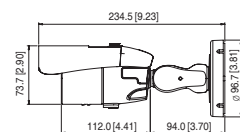
B1



B2



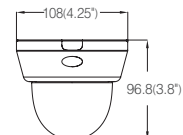
B6



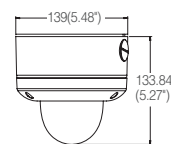
IP Camera Housing

IP Snapit series

MD4



MV4

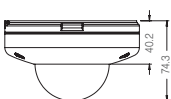


Vandal

MV9

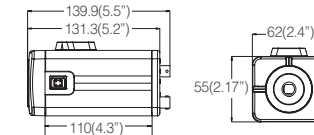


MF

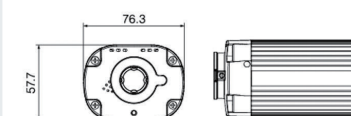


Indoor

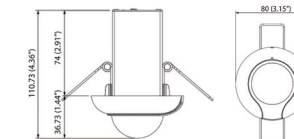
MC4



MC9



MDF



Appendix Camera Dimensions

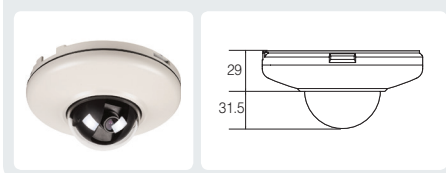
IP Camera Housing

IP PTZ

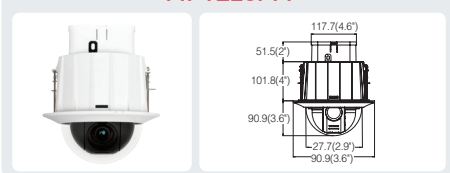
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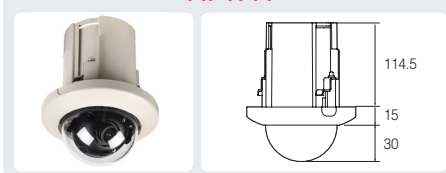
MPT



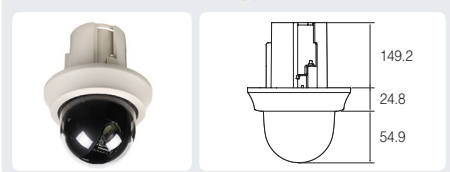
MPTZ20FM



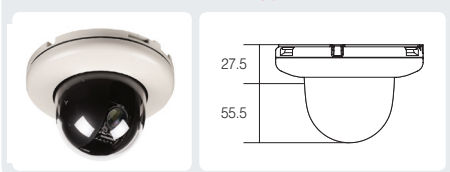
MPTFM



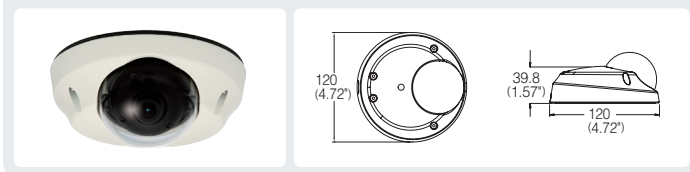
MPTZ5XFM



MPTZ5X



MPA20M

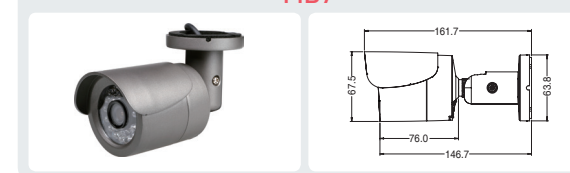


Bullet

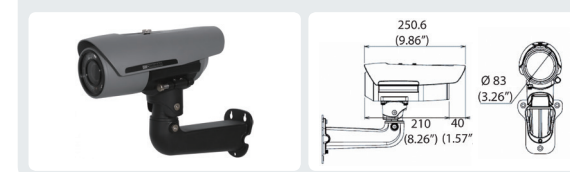
MB4



MB7



MB9



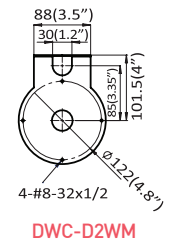
Appendix ACCESSORIES

REQUIRED OPTIONAL

INDOOR



Wall Mount



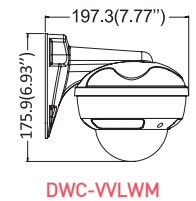
VANDAL VALUE



Wall Mount



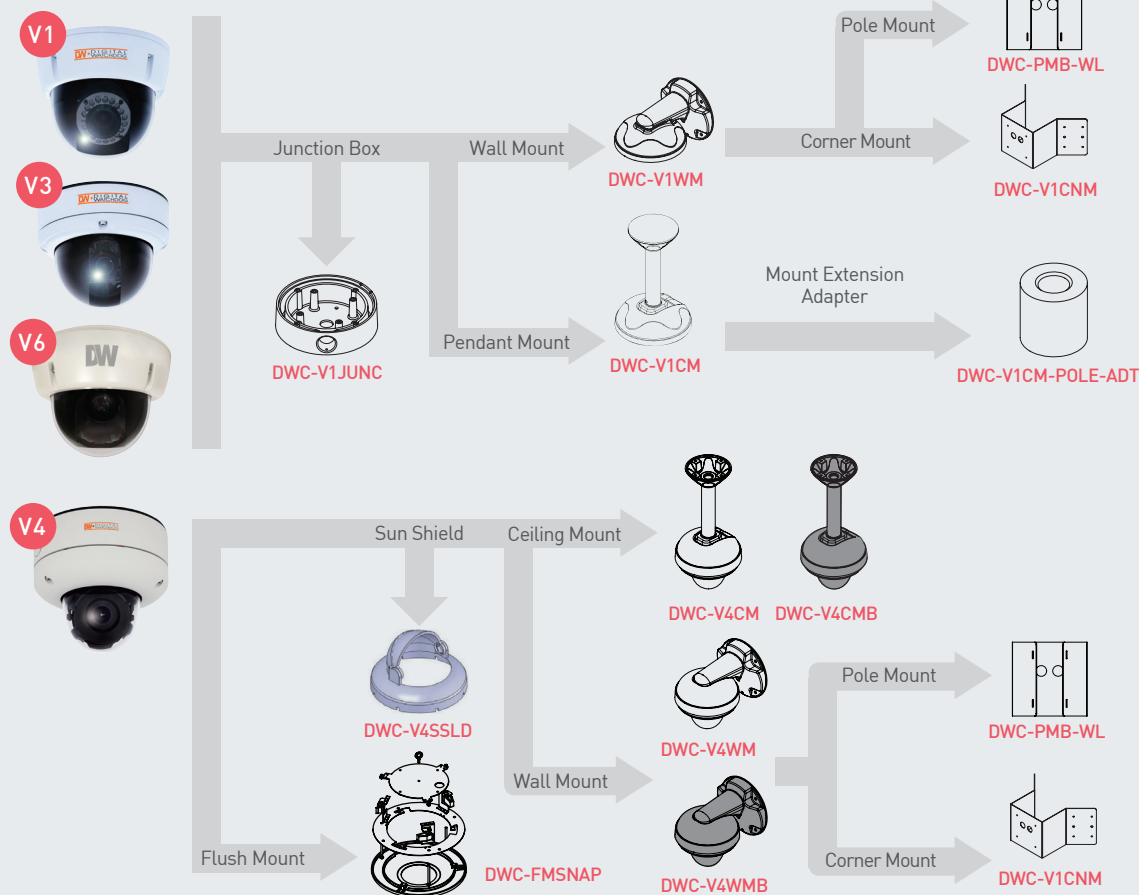
Wall Mount



Appendix ACCESSORIES

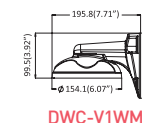
VANDAL

V1	V1312XW
V3	V3367WD / TIR
V6	V6563D V6553D V6563DIR V6361WTIR
V4	V4382D / TIR V4367WD / TIR V4363D / TIR V4363DB / TIRB V4365T V4567WD / TIR HV421D / TIR MV421D / TIR MV421DB / TIRB V4382TIRH V4363DH

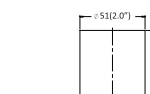


REQUIRED

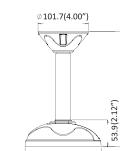
OPTIONAL



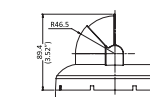
DWC-V1WM



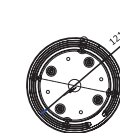
DWC-V1CM-POLE-ADT



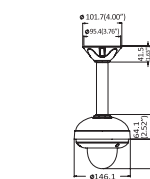
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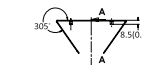
DWC-V4SSLD



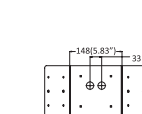
DWC-V1JUNC



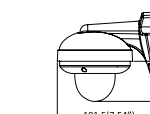
DWC-V4CM



DWC-PMB-WL



DWC-V1CNM



DWC-V4WM

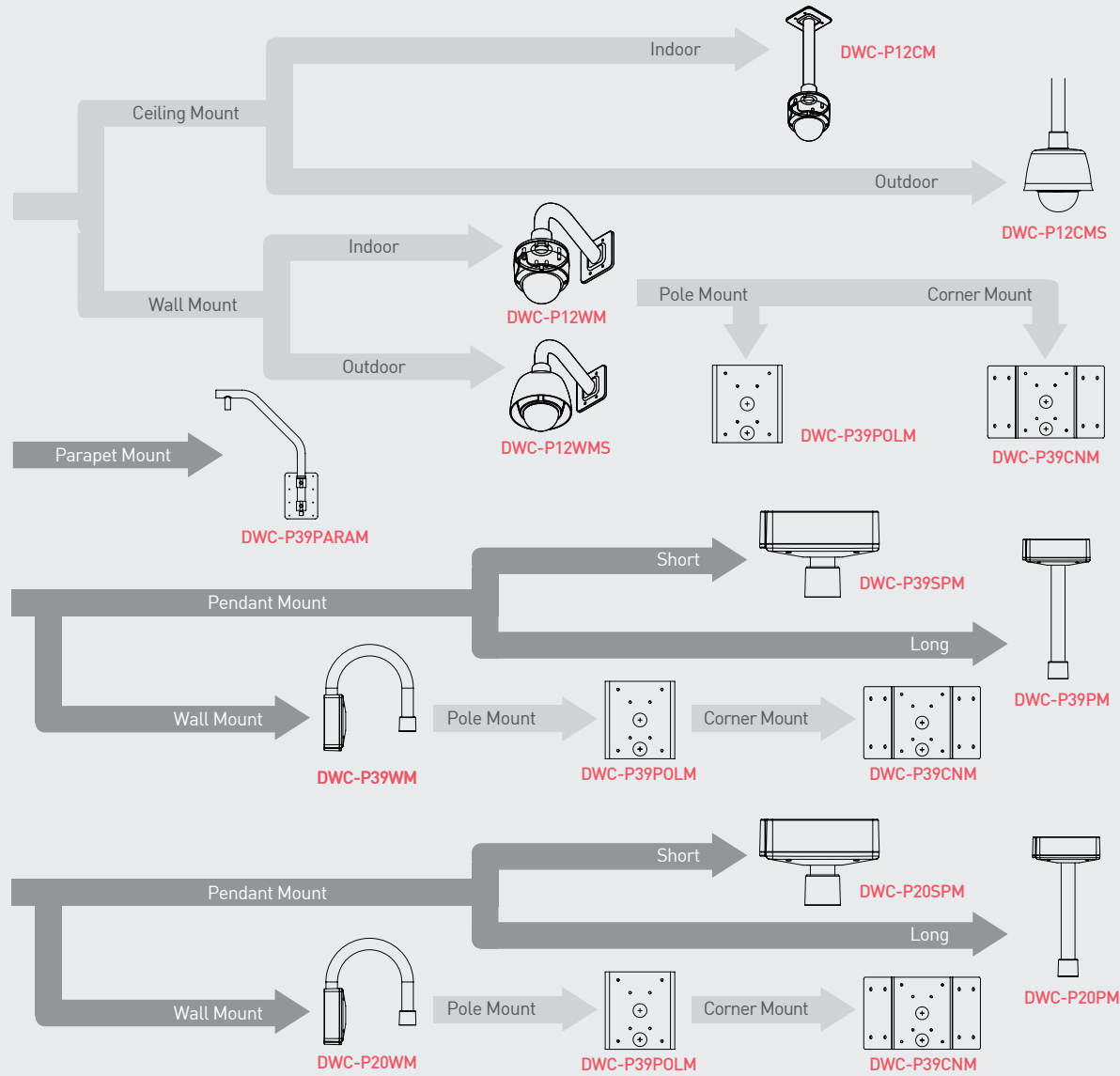
PTZ

PTZ12X

PTZ39XAL

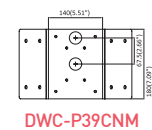
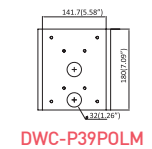
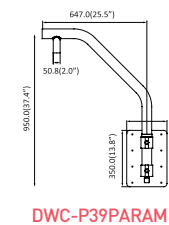
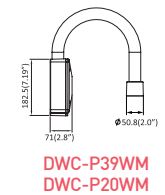
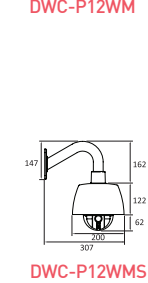
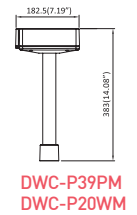
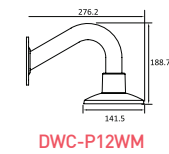
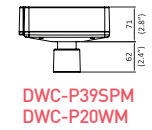
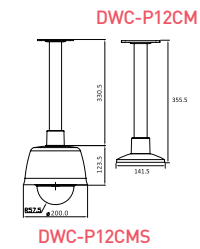
PTZ39X

MPTZ20X



REQUIRED

OPTIONAL



Appendix ACCESSORIES

REQUIRED  OPTIONAL 

BULLET



B1362TIR650
B1367WD / TIR / 650
B1363D / TIR
B1365T
LPR650
B1567WD / TIR



B2382TIR



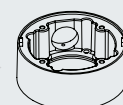
MB421D / 650
MB421TIR / 650



B6563DIR
B6563DIR550
B6361WTIR



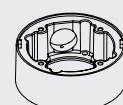
Junction Box



BLJUNC



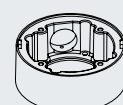
Junction Box



BLJUNC



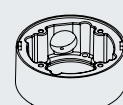
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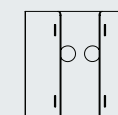
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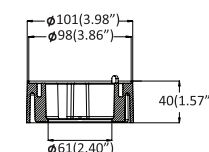
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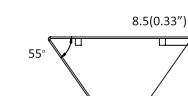
BLJUNC



PMB-BU



DWC-BLJUNC



DWC-PMB-BU

Terms and Conditions

Digital Watchdog, Inc
5436 W Crenshaw St. Tampa, FL 33634
PH 866-446-3595 FAX 813-888-9262
www.Digital-Watchdog.com

Products: The company reserves the right from time to time, to add or discontinue any product from those offered for sale by the company or to modify the specifications of any product without notice to the integrator/distributor.

Acceptance of Order: Salespersons or any other representatives of the company are only authorized to solicit orders from integrators/distributors and have no authority to accept orders on behalf of the company. All orders become effective only if, and when approved and accepted in writing by the company by the issuance of its order acknowledgement. The company reserves the right to refuse any order.

Change or Cancellation of Accepted Order: Integrators/distributors may not change or cancel an accepted order without the prior written consent of the company. Cancellations accepted by the company will be conditioned on the payment by the integrator/distributor if the company's cancellation charges in accordance with the company's cancellation policy in effect at the time of cancellation.

Price: Unless otherwise specified in the company's order acknowledgement or a written quotation from the company to the integrator/distributor each order is accepted subject to the following: (1) All prices, quotations, shipments, and deliveries by the company are F.O.B. Tampa, Florida, (2) All prices are subject to change without notice, (3)

Price is in effect at the time the order is placed, (4) All transportation and other delivery costs are for the account of the integrator/distributor.

Taxes: The purchase price for a product does not include any taxes, which may be applicable to the purchase, sale, value, use, and transportation of the product. The integrator/distributor agrees to pay such taxes or alternatively to reimburse the company upon demand for any such taxes, which the company is liable for the collection of payment. Integrator/distributor may, in lieu of such payment, provide to the company any evidence of the issue of tax exemption certificate acceptable to the appropriate taxing authority.

Delivery Title and Risk: Unless otherwise specified in the company's acknowledgment, the company reserves the right to ship all or any part of the product specified in any accepted order. Title to the products shall pass to the integrator/distributor and the integrator/distributor shall assume all risk and liability for loss, damage or destruction to such products after delivery to the carrier. If integrator/distributor should receive delivery of any product in damaged condition or should a shortage occur, integrator/distributor shall report such damage or shortage to the delivery carrier and to the company within 48 business hours of receipt of goods by dealer/distributor.

Any loss or shortage occasioned by damage occurring in transit will be for the account of dealer/distributor. Unless otherwise mutually agreed upon in writing, shipping dates are approximate and the company shall not incur any obligation or liability to the integrator/distributor for failure to ship by the estimated shipping date or any other date. The company reserves the right to ship the products in single or multiple shipments.

Force Majeure: If the company's performance of its obligations under any accepted order is delayed or made impossible or commercially impractical due to any cause beyond the company's reasonable control—including without limitation, acts of God, labor disputes, compliance with government regulations, equipment failure, shortages in transportation, inability to obtain necessary materials/products, defects or delays in performance by company's suppliers or requirements of testing or product approval authorities—the company shall have such reasonable additional time within which to perform the accepted order as may be reasonably necessary under the circumstances. In the event that the company is unable to obtain sufficient products to meet all demands from customers, the company shall have the right to allocate deliveries to its customers in any manner which the company may, in its sole discretion, determine to be equitable.

Payment: The integrator/distributor shall make payment of the purchase price for the products in full to the company within the payment and credit terms granted by the company. The company reserves the right at any time to require the integrator/distributor to provide satisfactory security for the due payment of the purchase price for the products in addition to the security interest reserved pursuant to the "Security" section. Failure to provide such security will entitle the company to hold further shipment until such security is provided or to cancel the accepted order or so much of it as remains unfilled.

Security: The company reserves, until payment in full for the products is received, a purchase money security interest in all products sold to the integrator/distributor under each accepted order. A copy of the integrator/distributor contract with the company may be filed as a financing statement with the appropriate state authorities to protect the company's security interest in the products.

Default: If the integrator/distributor fails to make payment in full for the products within the time period set forth above or within the time period expressly agreed upon in writing by the parties, such failure to pay on time constitutes a material breach of contract by the integrator/distributor permitting the company to suspend delivery under any accepted order or other contact between the integrator/

distributor and the company. The integrator/distributor shall pay to the company an added service charge of 1% per month (or the legal maximum allowed in the dealer/distributor's state) on all delinquent invoices or portion thereof until paid. In the event that the company is required to take legal action, integrator/distributor shall pay all collection fees and/or attorney's fees plus any court costs.

Guarantor: The company may from time to time require a third party guarantor to guarantee payment of the company's invoices submitted to the integrator/distributor under the terms of an accepted order. The guarantor shall agree to pay outstanding invoices within the agreed payment terms for the accepted order and in addition a service charge of 1% per month or the legal maximum allowed (in the dealer/distributor's state) on all delinquent invoices or portion thereof until paid. In the event that the company is required to take legal action, including the use of a collection agency to collect past due amounts, the guarantor shall pay all collection fees and/or legal fees, including any court costs.

Returns: Authorizations and instructions for the return of any product must be obtained by integrator/distributor before returning any product for any reason. The product must be returned with complete identification, freight prepaid and in accordance with the company's most current return policies and procedures or it will not be accepted. For a copy of the most current returns policies and procedures, call Digital Watchdog at 813-888-9555. All items returned for credit are subject to inspection upon receipt and a restocking charge. In no event will the company be responsible for any product returned without proper authorization or identification.

Installation and Service (Advice, Assistance, or Training): The company assumes no obligation or liability for any advice, technical assistance or training provided by the company to the integrator/distributor with respect to products, or for any results occurring as a result of the application of such advice, technical assistance, or training and the integrator/distributor shall have sole responsibility for selection and specification of the products appropriate for the end use of such products and for the proper installation and servicing of such products.

Waiver: Waiver by the company of any breach of any of the terms and conditions shall not be construed as a waiver of any other breach, and the failure by the company to exercise any right arising from any default of integrator/distributor here under shall not be deemed to be a waiver of such right, which may be exercised at any subsequent time.

Patents: The company shall indemnify and save integrator/distributor harmless from any judgment for damages

and/or costs which may be rendered against integrator/distributor in any suit brought against integrator/distributor on account of the infringement of any U.S. patent by any product supplied by the company providing that the integrator/distributor promptly notifies the company of the commencement of any suit and authorizes the company to settle or defend such suit as the company may see fit and provided further that integrator/distributor renders every reasonable assistance which the company may require in defending such suit.

Assignment: Integrator/distributor shall not assign its rights or delegate its duties, responsibilities or obligations arising under any accepted order, in whole or in part without the prior written consent of the company. Any actual or attempted assignment without the company's prior written consent shall entitle the company to cancel such accepted order upon written notice to integrator/distributor.

Termination: The company may terminate any accepted order or part thereof for any reason at the company's convenience upon written notice to integrator/distributor. Integrator/distributor hereby waives all claims for consequential damages resulting from or relating to such termination, including without limitation and any lost products or loss of anticipated profits, and to accept as its sole remedy for termination the reasonable additional costs of obtaining substitute goods of the same quantity and quality as the products provided that in no event shall such costs exceed the price of the accepted order or part thereof so terminated as stated on the company's acknowledgement. Any claim for adjustment not submitted within sixty (60) days from the date of such termination shall be deemed to have been waived by integrator/distributor.

Governing Law: These terms and conditions and each accepted order shall be governed by the law of the State of Florida without regard to Florida principles or rules of conflicts of laws that might require the applicant of the law of another jurisdiction.

Warranty: Kaltech Enterprises DBA Digital Watchdog (referred to as "the Warrantor") warrants the Digital Video Recorder or Camera against defects in materials or workmanship as follows:

DVR Warranty

Labor: For the warranty period from the date of original purchase, if the Digital Video Recorder is determined to be defective, the Warrantor will repair or replace the unit, with new or refurbished product at its option, at no charge.

Parts: In addition, the Warrantor will supply replacement parts for the warranty period.

Camera Warranty

Labor: For the warranty period from the date of original purchase, if the Camera is determined to be defective, the Warrantor will repair or replace the unit, with new or refurbished product at its option, at no charge.

Parts: In addition, the Warrantor will supply replacement parts for the warranty period. To obtain warranty or out of warranty service, please contact a Technical Support Representative at 1-866-446-3595 Option #5 Monday through Friday from 8:30 AM to 8:00 PM Eastern Standard Time.

A purchase receipt or other proof of the date of the original purchase is required before warranty service is rendered.

This Warranty only covers failures due to defects in materials and workmanship which arise during normal use. This warranty does not cover damage which occurs in shipment or failures which are caused by products not supplied by the Warrantor or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, alteration, modification, faulty installation, set-up adjustments, improper antenna, inadequate signal pickup, maladjustments of consumer controls, improper operation, power line surge, improper voltage supply, lightning damage, rental use of the product or service by anyone other than a Digital Video Recorder authorized repair facility or damage that is attributable to acts of God.

Limits and Exclusions

There are no express warranties except as listed above. The Warrantor will not be liable for incidental or consequential damages (including without limitation, damage to recording media) resulting from the use of these products, or arising out of any breach of the warranty. All express and implied warranties, including the warranties of merchantability and fitness for particular purpose, are limited to the applicable warranty period set forth above.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights that vary from state to state.

If the problem is not handled to your satisfaction, then write to the Address listed above.

Service calls which do not involve defective materials or workmanship as determined by the Warrantor, in its sole discretion, are not covered. Costs of such service calls are the responsibility of the purchaser.



Florida Office

5436W. Crenshaw Street-Tampa, FL 33634
Toll Free. 866-446-3595 FAX. 813-888-9262

California Office

16220 Bloomfield Avenue Cerritos, CA 90703
Toll Free. 866-446-3595 FAX. 813-888-9262

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