

# Crystal-Clear HD Video.

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MEGApix<sup>®</sup> single-sensor and multi-sensor  
IP cameras



## Crystal-clear images in real-time 30fps.

MEGAPIX® cameras feature state-of-the-art user-friendly technology providing crystal-clear megapixel video. Single-sensor cameras with 9MP, 4K, 5MP, 4MP, 3MP and 2.1MP/1080p resolution options provide forensic-level zooming without detail loss or pixilation.

Multi-sensor IP cameras provide single housing monitoring for wide open areas and are ideal ROI.

Digital Watchdog's MEGAPIX® cameras remove the complexity of network-powered devices while delivering superior image quality.



### Compliance

DW® IP cameras\*, analog cameras, NVRs, DVRs, network devices and management software sold and distributed worldwide are designed and developed in U.S.A. and Korea and manufactured in Korea.

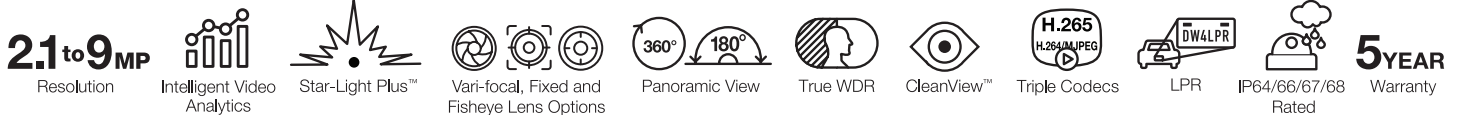
To learn more:

<http://www.digital-watchdog.com/ndaa>



\* On supported models

## Features:



- 9MP, 4K, 5MP, 4MP, 3MP and 2.1MP/1080p resolutions\*
- Vari-focal, fixed and fisheye lens options with p-iris and auto focus\*
- Star-Light Plus™ color in near-total darkness technology\*
- License plate recognition technology captures reflective license plates up to 50mph with up to 60' capture range\*
- Reliable performance under any lighting conditions\*
- 36x optical zoom\*
- True Wide Dynamic Range (WDR)\*
- Cold Start -40°F (-40°C)\*
- Multiple codecs with simultaneous streaming (H.265, H.264, MJPEG)\*
- 50-1148ft smart IR™ with intelligent camera sync\*
- CleanView™ hydrophobic dome coating repels water, dust and grease\*
- Smart DNR™ 3D digital noise reduction (DNR)
- True day/night with mechanical IR cut filter\*
- Programmable privacy zones
- Auto gain control (AGC)
- Backlight compensation (BLC)
- Auto white balance (AWB)
- Motion detection
- Microphone built-in\*
- Two-way audio\*
- Alarm input and relay out\*
- Web server built-in
- PoE and DC12V
- Waterproof cabling\*
- ONVIF conformant, profile S
- NDA/TAA compliant\*
- IP- and IK-rated housing options\*
- 5 year warranty

\* On supported models





## Star-Light Plus™ color in darkness technology

Star-Light Plus™ technology provides crisp, clear images in color or monochrome in near-total darkness.



Star-Light Plus™ monochrome image in near-total darkness.



Star-Light Plus™ color image in near-total darkness.



## Vandal ball housing

The vandal ball cameras have a unique dome-free design that allows for a true 90° tilting angle with endless 360° panning and rotation.



360° rotation



360° panning



90° tilting



## Cold Start -40°F (-40°C)

The installed heater helps the camera power up in extreme cold weather conditions where temperatures may go as low as -40°F.

This makes the cameras ideal for any harsh environment installation.



## True wide dynamic range (WDR)

Cameras with true WDR technology have advanced sensors that process a wider range of lighting, allowing them to record details in complex and mixed lighting environments.



Image is underexposed



Image is overexposed

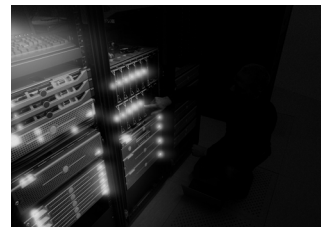


WDR image is clear and balanced

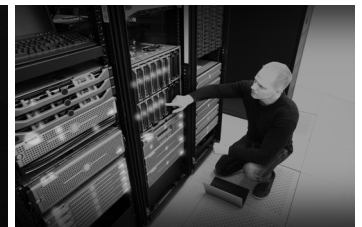


## Smart IR™

Smart IR™ adjusts the image for IR cameras to prevent excessive illumination.



IR light reflects from object, reducing visibility



Smart IR™ cameras distribute the IR light evenly in the FoV



## H.265 codec support

High-Efficiency video codec standards deliver 25% to 50% better data compression while maintaining video quality.

**Half the Space**  
Same display quality



VS



# MEGAPIX IVA/IVA+

Powerful Intelligent Video Analytics (IVA) detecting and classifying people and objects in real-time.



**NDAA/TAA**  
COMPLIANT PRODUCTS

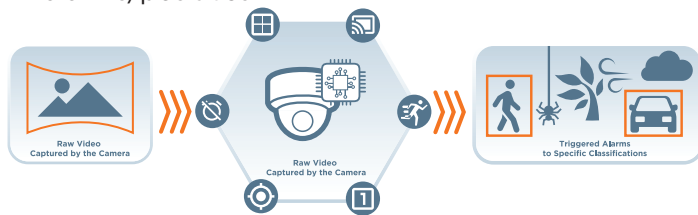
The analysis of video content by the IVA engine provides users the ability to automatically analyze video, detect and determine events at the edge. Processing the raw video data in the camera itself, near the source, significantly reduces bandwidth consumption, increases accuracy and reduces response time.

Additional capabilities are available by adding IVA+.



## Logic rules

MEGApix IVA cameras can be configured with multiple trigger points, allowing for a greater event detection level while reducing unwanted false alarms/positives.



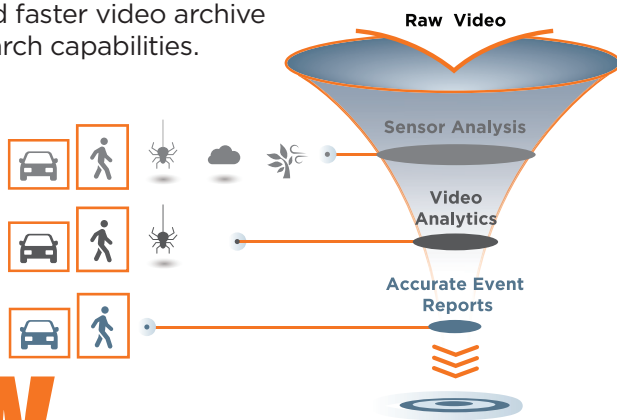
## Increase recording storage

Manage your recording storage smarter by fine-tuning events and alarms that are to be recorded. Combining IVA analytics, logic rules and non-detection zones, users can create specific conditions unique to their environment people and objects must trigger to activate an alarm. Smart management of your available storage.



## Reduce false alarms

MEGApix IVA makes event detection more reliable and effective. The result is real-time event response and faster video archive search capabilities.



License Type	MEGApix IVA	MEGApix IVA+
Max Number of Detection Zones	40	40
Intrusion	✓	✓
Line Crossing	✓	✓
Counting Line	✓	✓
Loitering	✓	✓
Enter/Exit	✓	✓
Tamper	✓	✓
Object Removed		✓
Tailgating		✓
Direction		✓
Stopped		✓
Appear/Disappear		✓
Object Left		✓
Logical Rules		✓

# MEGAPIX CAAS™



## Camera as a System

Setup a complete single- or multi-site surveillance system with no server or NVR required. These all-in-one cameras operate as edge recorders, storing high-definition IP video locally (64GB, 128GB and 256GB storage options).

The cameras are managed via DW Spectrum® IPVMS pre-installed and lets you access your system from any computer, any mobile phone and any tablet, with no recurring fees.

### All-in-one cameras.



# MEGAPIX LPR™

## License plate recognition (LPR) camera

LPR technology is engineered to capture reflective license plates in extreme light conditions, assuring consistent, reliable plate capture day or night from a range of 60' of moving vehicles traveling up to 50mph.



DW IP LPR camera



Non LPR camera

# MEGAPIX PTZ™

## Up to 36x optical zoom

The optical zoom lens uses internal glass elements to bring an image up to 36x closer, allowing the magnified image to be recorded at full resolution.

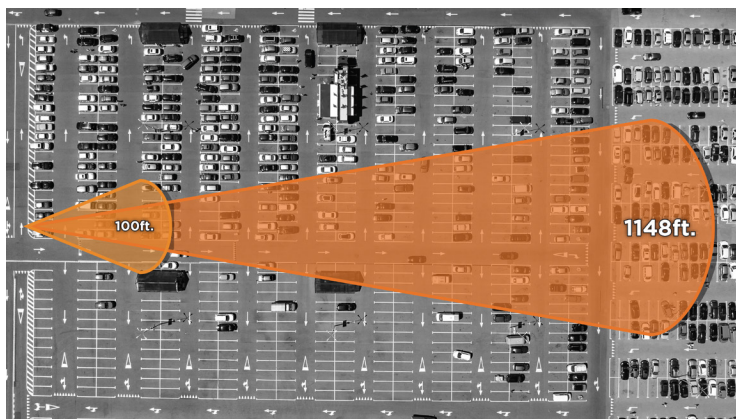


Camera view without zoom

Up to 36x optical zoom

## 1148ft Smart IR™ illumination

DW's IP PTZ cameras have Smart IR LEDs built-in that provide illumination up to 1148ft (350m) from the camera, delivering clear images and details for both objects in the camera's foreground and deep into the background.



180° and 360° view panoramic IP cameras



Single- and multi-sensor 180° views up to 360° at up to real-time 30fps

MEGApix® PANO™ multi-sensor IP cameras allow you to experience true 180° panoramic views at real-time 30fps. Single-sensor fisheye cameras produce 360°, 180° and 90° views. When comparing overall system cost, these may be the most cost-effective cameras you can buy because they do more from a single installation, reducing all related costs, such as cabling and labor.



### 48MP at 15fps, 32MP at real-time 30fps, 21MP at 20fps

Get wide views and forensic details from one camera. The MEGApix® Pano™ 48MP 4-sensor cameras produce 180° views at 15fps (30fps at 32MP) via a single PoE Plus connection. The 21MP model produces up to 20 fps.



Zoom into forensic-level detail

Features: **8-48MP** **5YEAR** Warranty

- 48MP and 21MP 180° panoramic view IP camera\*
- 9MP and 5MP 360° hemispheric fisheye cameras\*
- 8MP ultra-wide view IP camera\*
- Star-Light Plus™ color in near-total darkness technology\*
- Pre-loaded Intelligent Video Analytics (IVA) and extended features (IVA+)\*
- Edge-to-edge image clarity
- Fixed lens, fisheye lens and ultra-wide lens options\*
- Zero distortion anti-reflective glass\*
- PoE injector included\*
- Easy image alignment and stitching\*
- Multiple codecs (H.265, H.264, MJPEG) with simultaneous streaming\*
- True wide dynamic range (WDR)\*
- 80'-100' Smart IR™\*
- Smart DNR™
- True day/night with mechanical IR cut filter
- Two-way audio\*
- Micro SD card slot (not included)\*
- Auto gain control (AGC)
- Backlight compensation (BLC)\*
- Auto white balance (AWB)
- Motion detection
- Web server built-in
- Alarm input and relay output\*
- ONVIF conformant, profile S\*
- NDAA/TAA compliant
- IP66, IP67-rated housing options\*
- IK 9-rated impact-resistant\*
- 5 year warranty\*

\* On supported models





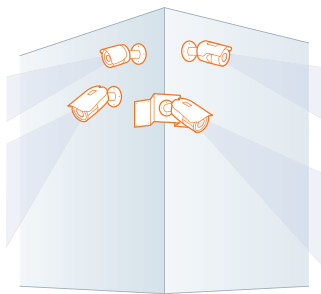
## The most effective way to for wide-area surveillance

When comparing overall system cost, these may be the most cost-effective cameras you can buy because they do more from a single installation, reducing all related costs, such as cabling and labor.

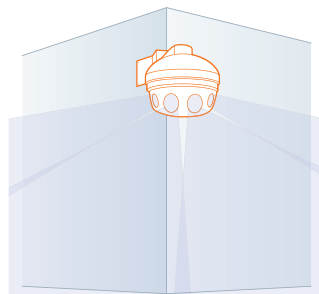


## One camera replaces many single sensor cameras

One panoramic camera does the work of many, reducing all system costs. A single, multi-sensor panoramic camera offers smoother and complete coverage of a wide area, using a single camera, a single cable and a single installation.



Single-sensor wide area installation and coverage.



Multi-sensor wide area installation and coverage.



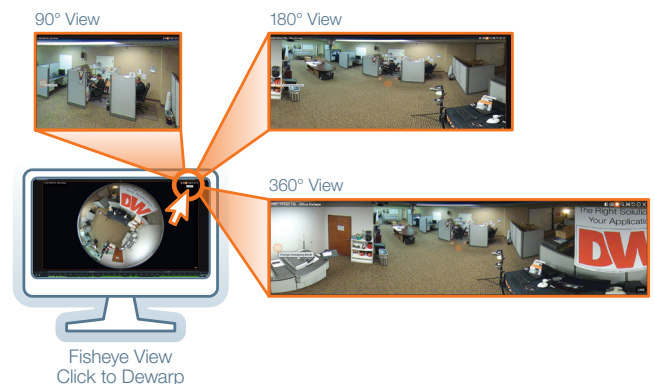
## Ultra-wide view for situational awareness

Ideal ROI with a single camera replacing multiple cameras to capture large areas.



## 360° hemispheric fisheye view and 360°, 180° and 90° panoramic views at real-time 30fps

360° fisheye view IP cameras MEGApix® Pano™ 360° view fisheye cameras with IR monitor an entire room with a single camera, providing the ultimate ROI.



4-in-1 user-configurable multi-sensor IP camera



360°, 270° and 180° configurable views at real-time 30fps

MEGAPIX Flex™ 16MP multi-sensor configurable IP cameras reduce total system cost by providing four 4MP CMOS sensors in one housing and installation. The Flex™ camera produces four video streams at real-time 30fps. Zoom-in for forensic-quality details with DW Spectrum® IPVMS.



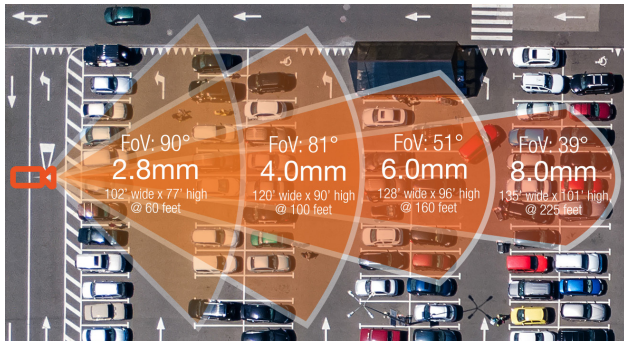
**4in1**  
One Installation

**NDA/TAA**  
COMPLIANT PRODUCTS



### Flexible sensor positioning with magnets

Users can easily place each of the four sensors independently in any configuration around the camera's magnetic base. Use 360° installation to monitor a hallway intersection or to provide a 270° view at a building corners or in large rooms. A 180° install is perfect to monitor an assembly line.



### Customizable lens options

The camera comes as a complete solution including 4x 4.0mm fixed lenses installed or is fully customizable with camera base unit plus selection of up to 4 sensor/lens modules.

Features:

**16MP**

Resolution at 30fps

**4x**

Fixed Lens Options



4-in-1 Installation



Flexible Sensor Install



IP66 Rated

**5 YEAR**

Warranty

- 16MP 1/3" image sensors at real-time 30fps
- 360° and 180° flexible panoramic view IP camera
- Four cameras in one installation
- Flexible sensor positioning with magnets
- True Wide Dynamic Range (WDR)
- PoE injector included
- Dual codecs (H.264, MJPEG) with

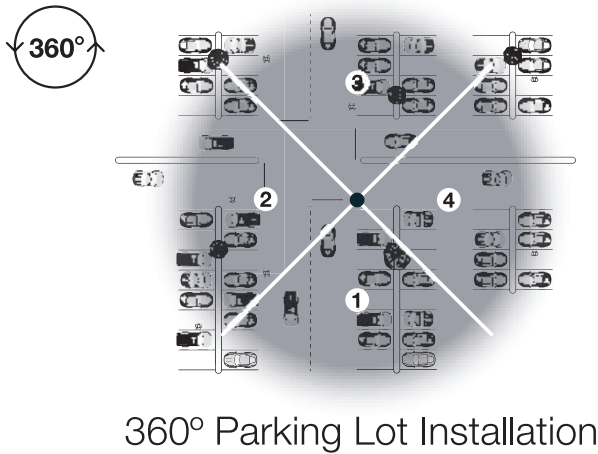
- simultaneous dual-stream
- Two-way audio
- Easy image alignment and stitching
- Smart DNR™ 3D digital noise reduction
- True day/night with mechanical IR cut filter
- Auto gain control (AGC)
- Auto white balance (AWB)
- Motion detection

- Micro SD/SDHC/SDXC class 10 card (not included)
- Alarm sensor input
- Relay output
- Web server built-in
- ONVIF conformant, profile S
- NDA/TAA compliant
- PoE class 4 and DC12V
- IP66-rated
- 5 year warranty

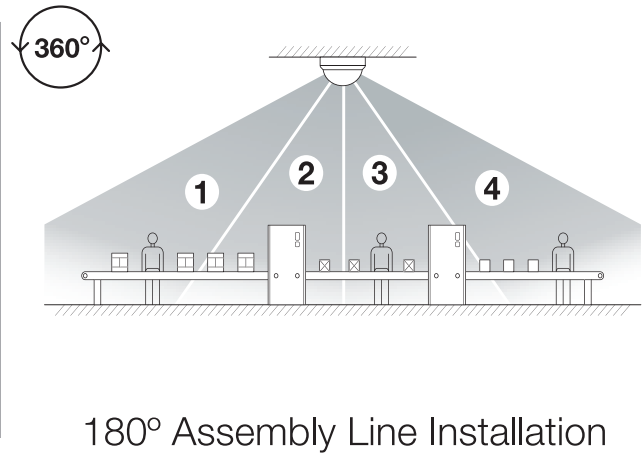


## 4-in-1 user-configurable views

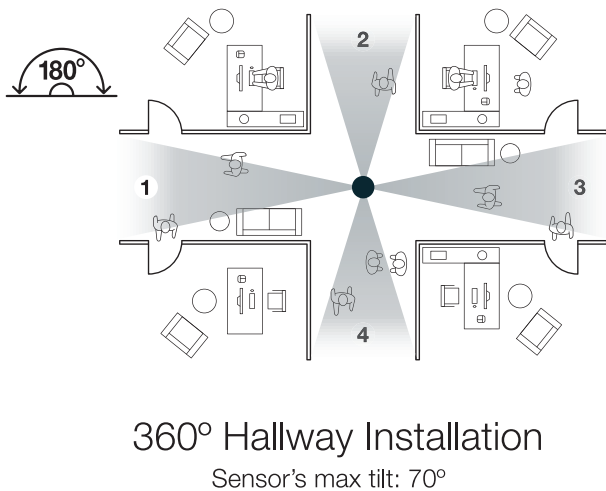
The MEGApix Flex camera can be personalized to match any application and any field of view (FoV) from a 180° or 270° panoramic view installation, to a full 360° hemispheric FoV, all with a single camera installation.



360° Parking Lot Installation

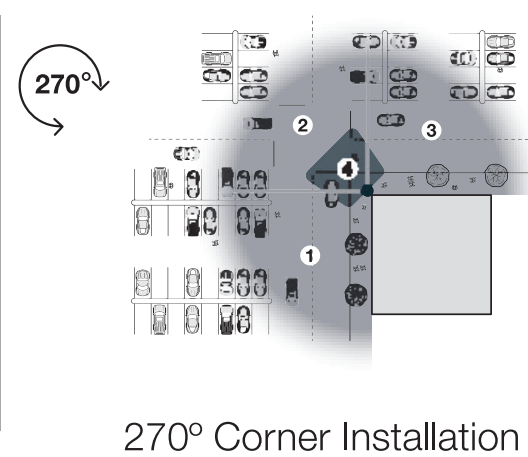


180° Assembly Line Installation



360° Hallway Installation

Sensor's max tilt: 70°



270° Corner Installation

## Lens configuration options and part numbers

The camera comes as a complete solution including four (4) x 4.0mm fixed lenses installed or is fully customizable with camera base unit plus selection of up to four (4) sensor/lens modules.

Modules DO NOT need to be same lens size. Modules available with 2.8mm, 4.0mm, 6.0mm or 8.0mm lenses. Camera base unit and lens modules are sold separately.

Flexible configurations:

PART NUMBER	LENS OPTIONS
DWC-PVX16W2	4x 2.8mm lens modules
DWC-PVX16W4	4x 4.0mm lens modules
DWC-PVX16W	Base camera. Up to four (4) lens modules must be purchased separately.

Lens modules for customized configuration:

PART NUMBER	LENS OPTIONS
DWC-PVXLMOD28	2.8mm lens module
DWC-PVXLMOD4	4.0mm lens module
DWC-PVXLMOD6	6.0mm lens module
DWC-PVXLMOD8	8.0mm lens module

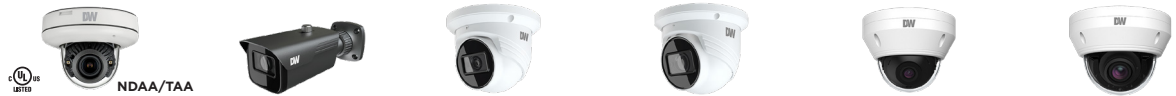
IP cameras



MODEL #	DWC-MVC8WiATW	DWC-MPTZ336XW	DWC-MB45iALPRT	DWC-M(P)VA5WiAT	DWC-M(P)VA5Wi28T	DWC-M(P)V85WiATW
Resolution	4K, real-time 30fps	3MP, real-time 30fps	5MP, real-time 30fps			
Focal Length	3.6 - 10mm	4.6 - 165.6mm	6-50	2.7-13.5mm	2.8mm	2.7-13.5mm
Lens Type	Vari-focal	1148ft	Vari-focal	Vari-focal	Fixed lens	Vari-focal
IR LEDs	70ft	80ft	80ft	100ft	100ft	100ft
Codecs	H.265, H.264, MJPEG					
Star-Light Plus™ color in near-total darkness	Yes		---	Yes		
Housing rating	IP66-rated, IK10-rated		IP66-rated, IK9-rated	IP67-rated, IK10-rated		IP66-rated, IK10-rated



MODEL #	DWC-M(P)V45WiATW	DWC-M(P)V75Wi28TW DWC-M(P)V75Wi4TW DWC-M(P)V75Wi6TW	DWC-M(P)F5Wi4TW DWC-M(P)F5Wi6TW DWC-M(P)F5Wi8TW	DWC-M(P)B45Wi650T	DWC-M(P)B45WiAT	DWC-M(P)B75Wi4T
Resolution	5MP, real-time 30fps					
Focal Length	2.7-13.5mm	2.8mm, 4.0mm, 6.0mm	4.0mm, 6.0mm, 8.0mm	6-50mm	2.7-13.5mm	4.0mm
Lens Type	Vari-focal	Fixed	Fixed	Vari-focal	Vari-focal	Fixed lens
IR Range	100ft	80ft	50ft	140ft	140ft	100ft
Codecs	H.265, H.264, MJPEG					
Star-Light Plus™ color in near-total darkness	Yes					
Housing rating	IP68-rated, IK10-rated	IP66-rated, IK10-rated	IP67-rated, IK10-rated	IP66-rated, IK9-rated		IP67-rated, IK9-rated



MODEL #	DWC-MV85WiAT	DWC-MB94Wi28T DWC-MB94Wi36T	DWC-MT94Wi28T DWC-MT94Wi36T	DWC-MT94WiAT	DWC-MV94Wi28T DWC-MV94Wi36T	DWC-MV94WiAT
Resolution	5MP, real-time 30fps	4MP, real-time 30fps				
Focal Length	2.7-13.5mm	2.8mm, 36mm	2.8mm, 36mm	2.8 - 12mm	2.8mm, 36mm	2.8 - 12mm
Lens Type	Vari-focal	Fixed lens	Fixed lens	Vari-focal	Fixed lens	Vari-focal
IR Range	100ft	164ft	100ft	164ft	100ft	164ft
Codecs	H.264, MJPEG	H.265, H.264, MJPEG				
Star-Light Plus™ color in near-total darkness	Yes	---	---	---	---	---
Housing rating	IP66-rated, IK10-rated	IP67-rated, IK10-rated				



MODEL #	DWC-M(P)V82WiATW	DWC-MV82WiA	DWC-MV82DiVT	DWC-M(P)VA2WiAT	DWC-M(P)VA2Wi28T	DWC-MV72Di28T DWC-MV72Di4TW
Resolution	2.1MP/1080p, real-time 30fps					
Focal length	2.8-12mm	2.8-12mm	2.7-13.5mm	2.7-13.5mm	2.8mm	2.8mm, 4.0mm
Lens type	Vari-focal	Vari-focal	Vari-focal	Vari-focal	Fixed lens	
IR LEDs	100ft range	100ft range	100ft range	100ft range		80ft range
Codecs	H.265, H.264, MJPEG	H.264, MJPEG		H.265, H.264, MJPEG		
Star-Light Plus™ color in near-total darkness	Yes	---	---	Yes		---
Housing rating	IP66-rated, IK10-rated			IP67-rated, IK10-rated		IP66-rated, IK10-rated



MODEL #	DWC-MF21M28T	DWC-M(P)F2Wi28TW DWC-M(P)F2Wi4TW	DWC-MV72Wi28 DWC-MV72Wi4 DWC-MV72Wi6	DWC-MV72Wi28A DWC-MV72Wi4A	DWC-M(P)V72Wi6TW	DWC-V(P)72Wi28ATW DWC-M(P)V72Wi4ATW
Resolution	2.1MP/1080p, real-time 30fps					
Focal length	2.8mm	2.8mm, 4.0mm	2.8mm, 4.0mm, 6.0mm	2.8mm, 4.0mm	6.0mm	2.8mm, 4.0mm
Lens type	Fixed lens		Fixed lens	Fixed lens	Fixed lens	Fixed lens
IR LEDs	---	50ft range	50ft range	50ft range	80ft range	80ft range
Codecs	H.264, MJPEG			H.265, H.264, MJPEG		
Star-Light Plus™ color in near-total darkness	---	Yes	---	---	Yes	Yes
Housing rating	IP66-rated, IK10-rated			IP64-rated, IK10-rated	IP67-rated, IK10-rated	



MODEL #	DWC-MB62DiVT	DWC-MB721M4TIR DWC-MB721M8TIR	DWC-MV82WiAT	DWC-M(P)B72Wi4T	DWC-MD72Di28T
Resolution	2.1MP/1080p, real-time 30fps				
Focal length	2.7-13.5mm	4.0mm, 8.0mm	2.7-13.5mm	4.0mm	2.8mm
Lens type	Vari-focal lens	Fixed lens	Vari-focal	Fixed lens	Fixed lens
IR LEDs	100ft range	60ft range	100ft	100ft range	50ft range
Codec	H.265, H.264, MJPEG	H.264, MJPEG	H.265, H.264, MJPEG		
Star-Light Plus™ color in near-total darkness	---	---	Yes	Yes	Yes
Housing rating	IP66-rated	IP66-rated, IK10-rated	IP67-rated	---	---

## CAAS



MODEL #	DWC-PVF5MITIRC6 DWC-PVF5MITIRC1 DWC-PVF5MITIRC2	DWC-MB44iALPRC6 DWC-MB44iALPRC1 DWC-MB44iALPRC2	DWC-MB44WiAC6 DWC-MB44WiAC1 DWC-MB44WiAC2	DWC-MB44Wi650C6 DWC-MB44Wi650C1 DWC-MB44Wi650C2	DWC-MV84WiAC6 DWC-MV84WiAC1 DWC-MV84WiAC2	DWC-MF4Wi6C6 DWC-MF4Wi6C2 DWC-MF4Wi6C1	DWC-MF4Wi6C6 DWC-MF4Wi6C2 DWC-MF4Wi6C1
Resolution	4MP, real-time 30fps						
Focal length	1.55mm	6.0 - 50mm	2.8 - 12mm	6 - 50mm	2.8 - 12mm	6.0mm	6.0mm
Lens type	Fisheye lens	Vari-focal lens	Vari-focal lens	Vari-focal lens	Vari-focal lens	Fixed lens	Fixed lens
IR LEDs	55ft range	60ft range	120ft range	140ft range	100ft range	50ft range	50ft range
Codec	H.264, MJPEG						
Star-Light Plus™ color in near-total darkness	---	---	---	---	---	---	---
Housing rating	IP66-rated	IP66-rated	IP66-rated	IP66-rated	IP66-rated, IK10-rated		

## PANO



MODEL #	DWC-PZV2M72T	DWC-PZ21M69T	DWC-M(P)BW8Wi2TW	DWC-P(P)Vf9Di2TW	DWC-(P)PVF5Di1TW	DWC-PVX16W
Resolution	48MP (4x 12MP)	21MP (4 x 6.4MP)	8MP, real-time 30fps	9MP, real-time 30fps	5MP, real-time 30fps	16MP, real-time 30fps
Focal length	4x 7.2mm	4x 8.0mm	2.3mm	2.1mm	1.5mm	4x 2.8mm, 4.0mm, 6.0mm, 8.0mm combination
Lens type	fixed lenses	Fixed lenses	Ultra-wide lens	Fisheye lens	Fisheye lens	Fixed lens
IR LEDs	---	---	100ft	80ft	80ft	---
Codec	H.264	H.264, MJPEG	H.265, H.264, MJPEG			H.264, MJPEG
Star-Light Plus™ color in near-total darkness	---	---	---	Yes	Yes	---
Housing rating	IP66-rated	IP66-rated	IP66-rated	IP66-rated, IK9-rated		IP66-rated

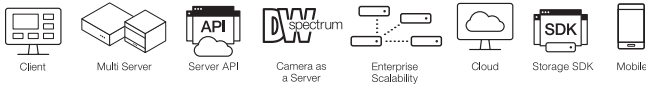
\*\* (P) indicate the IVA+ models.

## Video Management Anywhere, Anytime.



DW Spectrum® IPVMS is an endlessly customizable IP video management platform that gives users the ability to create tailored network video solutions for any type of project, for use by anyone, on any device.

Built for Users.™



## Scalable, Enterprise-level Servers, Powered by DW Spectrum® IPVMS.



Blackjack® servers powered by DW Spectrum® are robust and user-friendly video management solutions, highly optimized to provide unlimited scalability, unmatched bandwidth savings and simplified system setup and management.

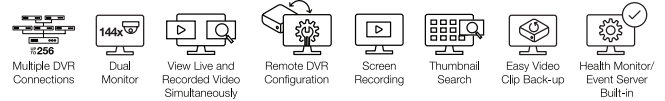


## Remote Management and Event Server Software.



The C3™ client and event server make up a remote management software suite for DW® VMAX® embedded recording solutions. It provides users a powerful and easy-to-use new way to monitor any VMAX® device from anywhere.

Unlike Any Other.™



## Plug and Play IP NVRs, Managed from Anywhere.



VMAX® IP Plus™ is an easy to use PoE NVR that allows you to go from powerup to monitoring video in less than three minutes!



### Contact us:



**California Office**  
16220 Bloomfield Avenue  
Cerritos, California USA 90703  
Hours: 8:00am - 5:00pm PST.



**Florida Office**  
5436 West Crenshaw Street  
Tampa, Florida USA 33634  
Hours: 8:30am - 5:30pm EST.

Phone (Toll-Free).....1.866.446.3595  
Fax.....1.813.888.9262  
Customer Service (U.S.).....1.866.446.3595  
Customer Service (International).....1.813.888.9555  
Customer Service (French).....1.514.360.1309  
Sales Email.....sales@digital-watchdog.com  
Tech Support Email.....technicalsupport@digital-watchdog.com

