

See More from One Installation.™

 **MEGAPIX® PANO™**  
Panoramic View IP Cameras



MEGApix® single- and multi-sensor  
panoramic view IP cameras





Multi-sensor 180° views at up to real-time 30fps and up to 48MP.



DW® MEGApix® PANO™ multi-sensor IP cameras allow you to experience true panoramic views with the convenience of flexible sensor configuration at fast frame-rates. 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**

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.



Zoom into forensic-level detail

Features:

**21-48MP**



**5 YEAR**

Total Resolution

Panoramic View

Fisheye Lens

WDR

CleanView™

Smart IR™

IP66/67/68 Rated

Warranty

- 4x and 3x image sensors\*
- 180° panoramic view IP cameras
- 4x and 3x fixed lens options\*
- Single network connection/one recording license
- Fast frame rates 30fps available on all models
- Zero distortion anti-reflective glass\*
- True Wide Dynamic Range (WDR)\*
- CleanView™ hydrophobic dome coating repels water, dust and grease\*
- PoE injector included\*
- Cold Start -40°F (-40°C)\*
- Two-way audio\*
- Easy image alignment and stitching
- Digital zoom and pan control
- Smart DNR™ 3D digital noise reduction
- True day/night with mechanical IR cut filter
- Auto gain control (AGC)
- Backlight compensation (BLC)\*
- Auto white balance (AWB)
- Micro SD/SDHC class 10 card slot (card not included)\*
- Alarm sensor input\*
- Relay output\*
- Web server built-in
- ONVIF conformant, profile S\*
- IP66 certified weather and tamper resistant

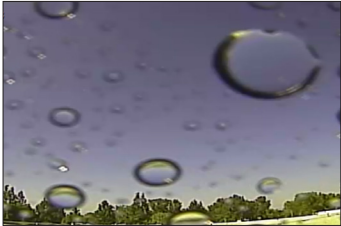


\* See last page for specifications per camera.



## CleanView™ Hydrophobic Dome Coating

The CleanView™ coating improves visibility by repelling water spots, dust and grease build-up on the camera's dome. The CleanView™ coating treatment will allow liquid to roll off of the dome's polycarbonate surfaces when tilted vertically up to 10° or less.



Camera view without CleanView™

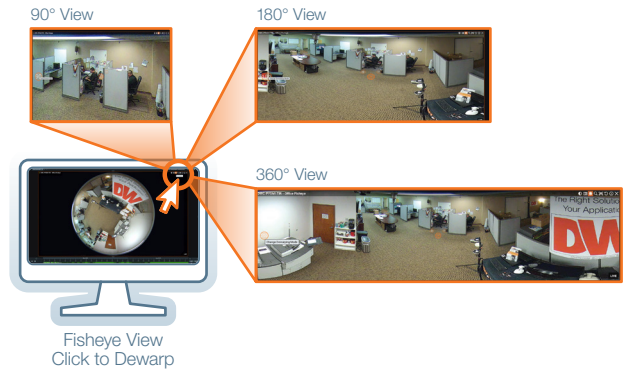


Camera view CleanView™



## Single-sensor 360° hemispheric fisheye views at real-time 30fps

MEGApix® PanoT fisheye IP cameras monitor wide-angle, tall and omni-directional spaces with a single camera, providing the ultimate ROI.



## True Wide Dynamic Range

Cameras with true WDR technology have advanced sensors that can process a wider range of lighting, allowing them to record details in complex and mixed lighting environments. They use a combination of multiple exposures and per-pixel exposure to control the exposure intensity and capture all details in the FoV. The final result is a clear image where both over and under exposed areas are seen clearly and equally.



Image is under exposed



Image is over exposed



WDR image is clear and balanced



## External IR Illuminator for Panoramic Bullet Cameras

The DWC-EXTIR100 is a weather and tamper resistant infra-red (IR) illuminator up to 100ft (30m) for panoramic bullet cameras, powering up Cold Start at temperatures as low as -40°F (-40°C).



## Smart 3D DNR™ (digital noise reduction)

Use DW's exclusive noise reduction technology to produce clearer color and monochromatic video in low light without adding visual lag or ghost effects.



Digital noise in low light environments



Smart 3D DNR clarifies digital noise

# Camera Specifications



MEGApiX PANO IP Cameras	DWC-PZV2M72T	DWC-PZ21M69T	PB6M4T	PVF9M2TIR	PVF5M1TIR	PF5M1TIR
<b>IMAGE</b>						
Image sensor	4x 1/2.3" CMOS	4x 1/1.8" CMOS	3x 1/3" CMOS	1/1.7" CMOS	1/1.8" CMOS	1/1.8" CMOS
Total pixels	4000(H) x 3000(V)	3096(H) X 2080(V)	5760 (H) X 1080 (V)	3000(H) X 3000(V)	3096 (H) X 2080 (V)	2592 (H) x 1944 (V)
Maximum resolution	48MP (4x 12MP)	21MP (4 x 6.4MP)	6MP (3x 2.1MP/1080p)	9MP (3000 x 3000)	5MP (2592 x 1944)	5MP (2592 x 1944)
<b>LENS</b>						
Focal length	4x 7.2mm	4x 8.0mm, F1.6	3x 4.3mm, F2.0	2.1mm, F2.2	1.55mm, F2.5	1.55mm
Lens type	Fixed lens	Fixed lens	Fixed lens	Fisheye lens	Fisheye lens	Fisheye lens
Field of view (FoV)	48MP: 48° HFOV per image, 185° total HFOV 32MP: 46° HFOV per image, 180° total HFOV	Over 180°	3x 62°	360°	360°	360°
IR distance	N/A	N/A	N/A	55ft range	55ft range	32ft range
<b>I/O</b>						
Audio in / out	---	1 (1.0Vms, 3K ohm)/1	1/1	1/1	---	1/1
Alarm in / out	---	1/1	1/1	1/1	---	1/1
<b>OPERATIONAL</b>						
Smart DNR™ 3D digital noise reduction	Off, low, middle, high	3D DNR	Off, low, middle, high	Off, low, middle, high	0-11	Off, low, middle, high
Wide dynamic range (WDR)	---	---	True WDR, 100dB	D-WDR	D-WDR	---
Memory slot	---	Micro SD/SDHC/SDXC class 10 card (card not included)	Micro SD/SDHC class 10 card (card not included)	Micro SD/SDHC class 10 card (FAT32). Card not included	Micro SD/SDHC class 10 card (FAT32). Card not included	Micro SD/SDHC class 10 card (FAT32). Card not included
<b>NETWORK</b>						
Video compression type	H.264	H.264, MJPEG	H.265, H.264, MJPEG	H.265 or H.264 or MJPEG	H.264, MJPEG	H.265 or H.264 or MJPEG
Frame rate	48MP: 15fps per sensor 32MP: 30fps per sensor	Up to 30fps at all resolutions	5760 X 1080 at 20fps	Up to 30fps at all resolutions	Up to 30fps at all resolutions	Up to 30fps at all resolutions
ONVIF conformance	---	Yes	Yes	Yes	Yes	Yes
<b>ENVIRONMENTAL</b>						
Operating temperature	-40°F - 122°F (-40°C - 50°C)	-4°F - 122°F (-20°C - 50°C)	-40°F - 122°F (-40°C - 50°C)	-4°F - 122°F (-20°C - 50°C)	-4°F - 122°F (-20°C - 50°C)	-4°F - 122°F (-20°C - 50°C)
IP rating	IP66 certified weather and tamper resistant	IP66 certified weather and tamper resistant	IP66 certified weather and tamper resistant	IP66 certified weather and tamper resistant	IP66 certified weather and tamper resistant	---
Mounting accessories	Wall mount, ceiling mount, parapet mount + adaptor, corner mount, pole mount	Wall mount, ceiling mount, parapet mount + adaptor, corner mount, pole mount	Junction box, external IR illuminator	Corner mount, junction box, ceiling mount bracket, wall mount bracket	Corner mount, junction box, ceiling mount bracket, wall mount bracket	Corner mount, junction box, ceiling mount bracket, wall mount bracket

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