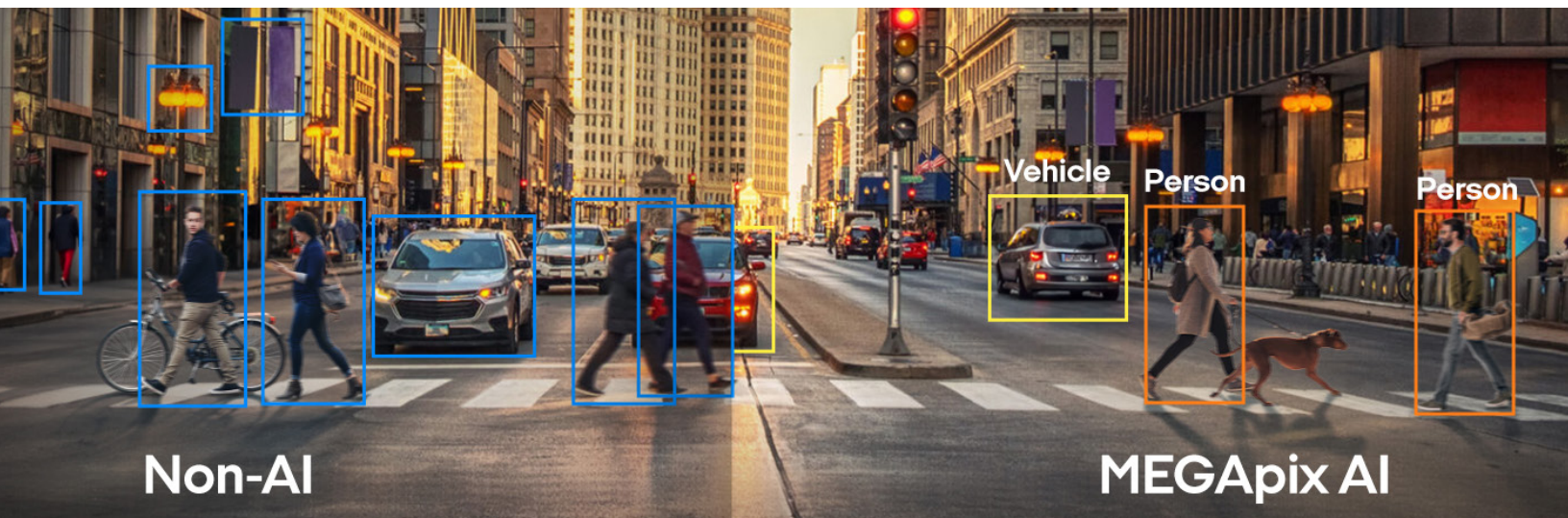

MEGApix[®] Ai[™]

Next-generation video analytics



Edge-based Ai engine with real-time object classification for intelligent video solutions

What are video analytics on the edge?

License-free intelligence video analytics are included with the cameras, offering customizable detection zones and event-based alarms, reducing false alarms and increasing overall efficiency at no extra cost.



Lightning Fast Analytics

Processing power is as close to the source as possible. Valuable insights done in a fraction of a second will reduce the burden on the operators to sift through data, speeding up response time, increasing overall efficiency.



Reduce Network and Storage Burden

Deploying edge-side analytics means that video is analyzed in high-quality and only the most relevant information is sent across the network, reducing the burden on bandwidth and storage.

Easy Setup (No Manual Calibration)

Choose what to detect and where with a user-friendly and straightforward UI, set up multiple scenarios specific to your monitoring needs without complex calibration.



Future-Proof Solution

A DW Ai analytics provides scalability and optimization of resources across a system. New analytics can be added to your site, making your system future-proof without infrastructure expansion.



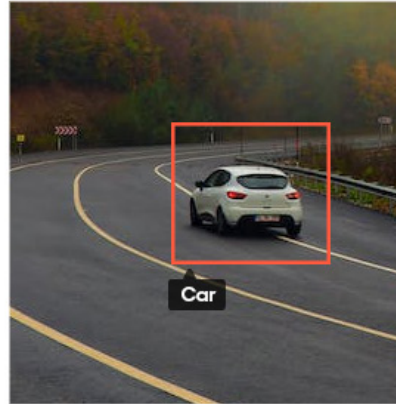


Object Classification

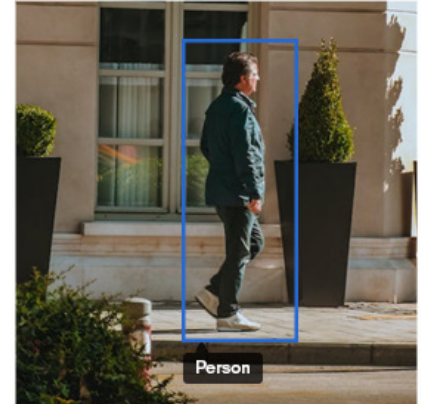
DW's Ai software processes video streams to detect and classify every object appearing in the detection zone. Our Deep Learning engines perform object detection (DL Object tracker), automatically classifying the objects in the scene: people, cyclists, cars, buses and vans, trucks, motorcycles, bicycles and bags.



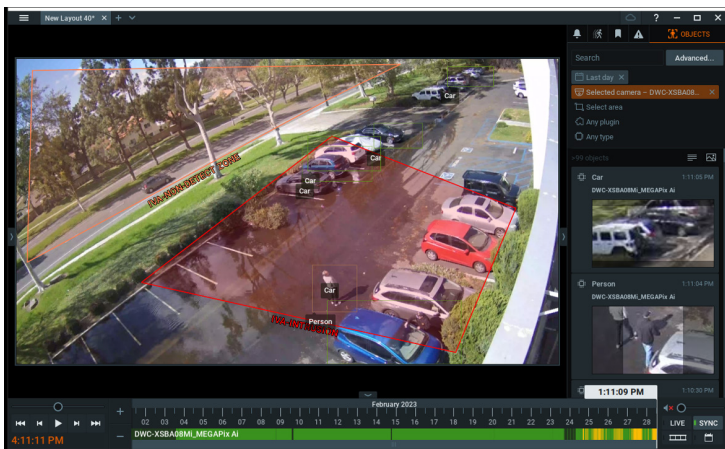
Trucks



Cars



Humans

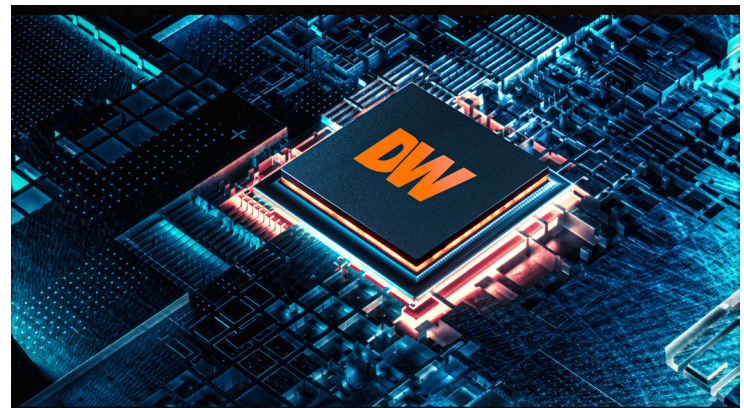


Optimized Performance at the Edge

MEGAPIX.Ai's analytics engine is designed for the edge, working on the camera side to substantially reduce bandwidth consumption and accelerate response times with overall improved performance.

Ambarella Chip with CVflow®

Ambarella's chips combine image processing, real-time 30fps up to 4K video and CVflow architecture to provide the deep neural network (DNN) processing required for the next generation of intelligent IP cameras.





DW Ai solutions include all the Intelligent Video Analytics and advanced Video Content Analysis detection capabilities of the Ai engine. In addition, Ai cameras empower users with deep learning objects and people tracking and color filters.



Detection zones
Create up to 40 detection zones for specific alarm conditions.



Tamper
Detect camera tampering triggers an alarm.



Metadata
Export event information, tracked objects, bounding box, history and attributes.



Appear
Start tracking people or objects in the detection zone without crossing into the zone.



Disappear
Stop tracking people or objects in the detection zone without crossing out of the zone.



Stopped
Detect people or objects stopped in the detection zone for a set duration.



Enter
Detect people or objects crossing the detection zone's border from outside the zone.



Exit
Detect people or objects crossing the detection zone's border from inside the zone.



Counting
Provide a real-time count of targets in a detection zone



Counting line
Calculate the number of people or objects crossing the detection line.



Intrusion
Detect people or objects crossing into the detection zone.



Direction
Start tracking people or objects in the detection zone without crossing into the zone.



Line crossing
Detect people or objects crossing the detection line.



Tailgating
Detect a person or object crossing the detection line within a set period from the previous person or objects.



Dwell
Detect people or objects crossing into a detection zone and remaining past the set dwell time.

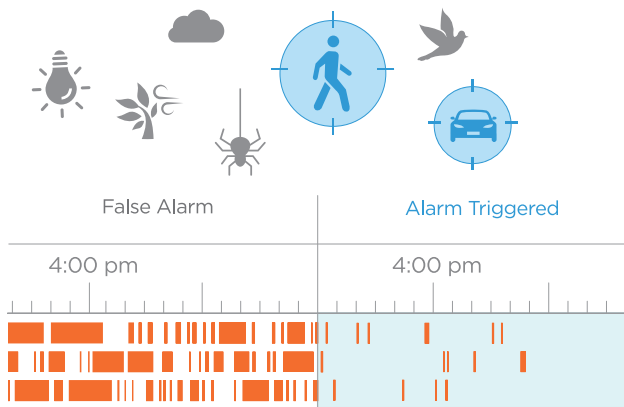
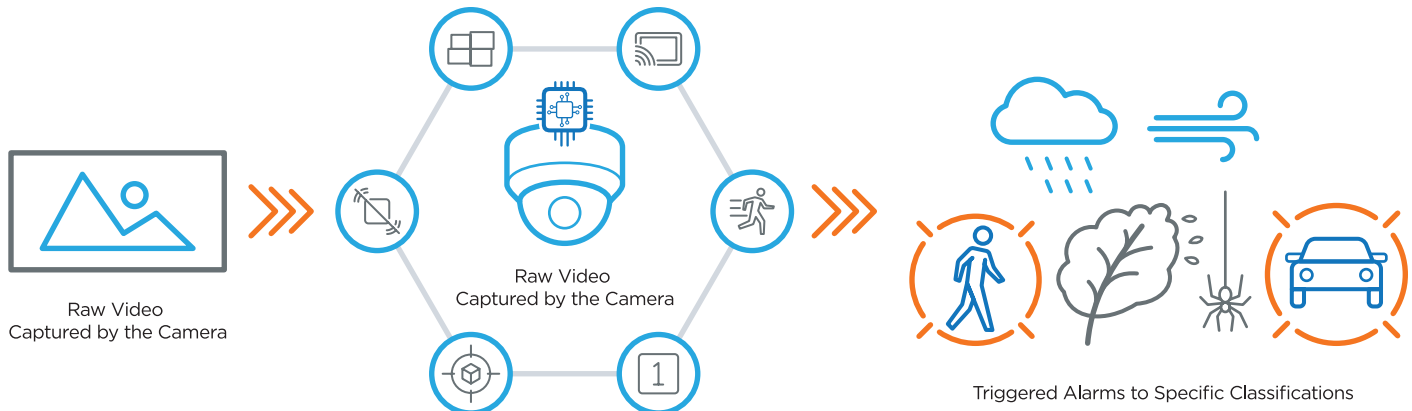


Logic rules
Combine multiple rules to create specific conditions for events.



Logical Rules

Blackjack Ai servers combine multiple zones and virtual tripwires to create elaborate, multiple trigger point rules for a greater event detection level.



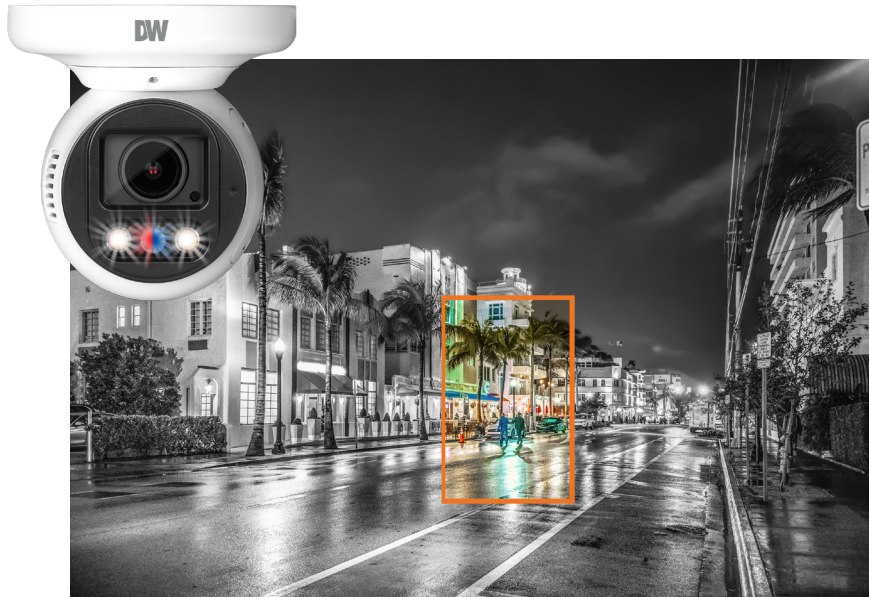
Reduce False Alarms

MEGApix Ai accurately categorizes moving objects and people, distinguishing them from environmental items such as spiders, shaking shadows and moving lights. The result is a reduction in false alarm rates, saving storage and enabling more efficient monitoring.

ALPR IP Cameras

DW's Automatic License Plate Recognition (ALPR) IP camera can detect and extract numbers and letters in license plates, as well as the vehicle's make, model and color, at up to 45mph at 95% accuracy, converting the pixels to usable digital data.



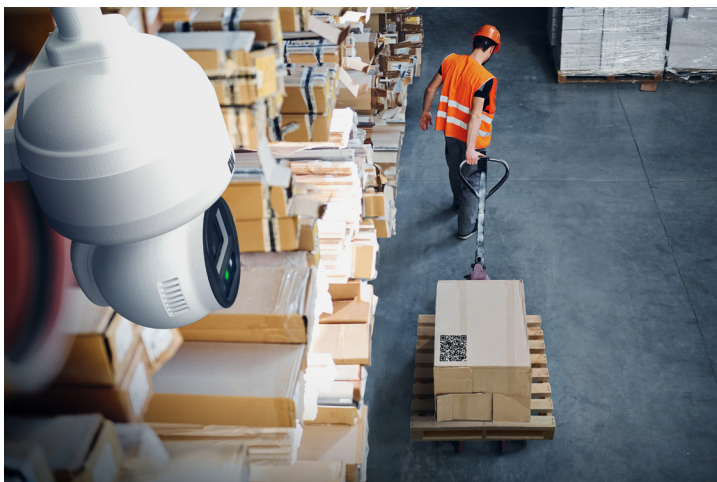


White light LEDs Built-in

Create deterrence and provide crystal-clear images in color without the need for external illumination or the potential loss of color and detail from B/W images.

Ultimate All-in-One Deterrent Solution

DW's turret cameras come with white light LEDs, flashing alarm lights and built in speaker and microphone, making the camera an ideal complete solution, deterring crime and recording evidence.



QR Code Reader Plugin

QR code reader detects and registers codes in the FoV with green LED visual verification.





Dual-Sensor Dome Camera

DW's dual-sensor IP camera provides two sensors that can be positioned and configured independently, allowing flexible, multi-directional video surveillance that is ideal for monitoring hallways, train stations and other narrow view environments.



Hardware Built to Last

The DWC-XSBJ bullet and DWC-XSDJ dome cameras come with a junction box and converter plate included for an out-of-the-box solution that is easy to install and has everything you need in weather and vandal-resistant housing.



Split Glass Cover for no IR Reflection

The separate lens and IR LED glass covers reduce IR diffusion and reflection at night, normally associated with a single lens and IR cover.

Separate glass covers preventing IR reflection.



3 IR LEDs for up to 120' coverage.

Next Generation IR Technology

DW's new dome design places the IR LEDs separately from the lens and dome. The result is a clear B/W image in any lighting and weather conditions, with no IR reflection on the dome or IR hot spots.



DW's new IR design delivers clear B/W images with no IR reflection



IR reflection and smudges cause image distortion

Ultra-wide single-sensor views

The ultra-wide view single-sensor bullet IP camera offers wide-area situational awareness and edge-to-edge image clarity without pixel loss, suitable for narrow corridor installations, with clear images as close as 19.5-23.5 inches from the camera.



PTZ Camera with Auto Tracking

DWC-XPZA is powered by AI-based auto tracking, which locks onto identified people or vehicles in a detection zone, even in low-light conditions and complex environments.



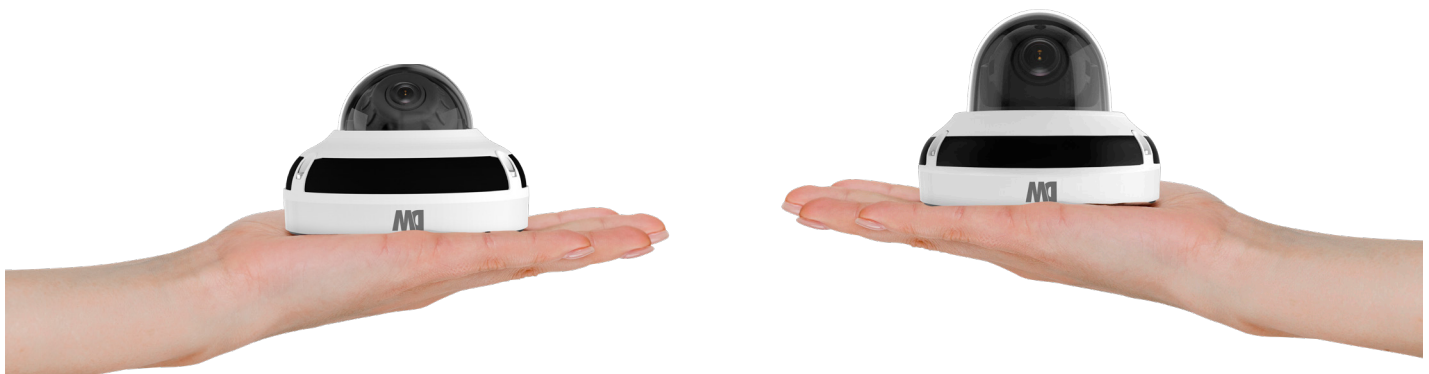
Extensive Zoom and Coverage

With a 40x optical zoom and 16x digital zoom, the camera can capture distant objects with clarity. The 360° endless panning and high-speed pan and tilt functions allow comprehensive coverage of large areas without blind spots.



Ultra Low-Profile Vandal Dome Cameras

The DWC-XSDA and DWC-XSDH hardware packs all the power and capabilities of DW's Ai™ into a small, discrete vandal housing. The camera, small enough to fit in the palm of your hand, is a great addition to any application that is looking for maximum surveillance power in a discrete installation.



High-Quality Image

DW's cameras offer superb video resolution, forensic details and clear image in any lighting environment.



Star-Light Plus

Star-Light Plus™ sensor provide crisp, clear B/W and color images even in near complete darkness.



True WDR

Advanced double-shutter delivers clear images in a wider range of lighting.



Smart IR

Offering a clear B/W image without loss of detail of white spots.



Simultaneous Streams

Manage traffic and bandwidth on your network, with high-resolution for recording and standard-resolution for live monitoring.



Compliance and Compatibility

DW products are compatible with 3rd party partners and solutions, for a customizable solution.



5 Year Warranty

All DW cameras come with an unbeatable 5-year warranty.

NDAA/TAA Compliant

DW products sold and distributed worldwide are designed and developed in the U.S.A. and Korea, with manufacturing in Korea, Vietnam and Taiwan.

Most DW products qualify for GSA Schedule Contracts and other government opportunities because they are TAA and NDAA compliant.



NDAA/TAA
COMPLIANT PRODUCT



Trade
Agreements
Act FAR 52.225-5

Models and specifications*:

| | SKU | | Housing | Image sensor | Focal length | Illumination | Audio | Alarm/Sensors | Specialty AI |
|-----|----------------|---|---------------------|---|----------------------------|------------------------|--|---|--|
| 3MP | DWC-XPZA03Mi |  | PTZ | 3MP 1/1.8" Star-Light Plus™ sensor, 60fps | 6.5-260mm vari-focal lens | 1184ft IR range | 1 input/1 output | 4x sensor input / 2x alarm output / 1x RS485 port | Object tracking |
| | DWC-XPZA08Mi |  | High-speed PTZ dome | 4K 1/1.8" Star-Light Plus™ sensor, 30fps | 6.5-260mm vari-focal lens | 1184ft IR range | 1 input/1 output | 4x sensor input / 2x alarm output / 1x RS485 port | Object tracking |
| 4K | DWC-XSBA08Mi |  | Bullet | 4K 1/2.8" Star-Light Plus™ sensor, 30fps | 2.7-13.5mm vari-focal lens | 140ft IR range | 1 (1.0Vms, 3K ohm) input/1 output | 1 input/1 output | --- |
| | DWC-XSBC08Bi |  | Bullet | 4K 1/1.8" Star-Light Plus™ sensor, 30fps | 2.3mm fixed lens | 100ft IR range | 1 input/1 output | 1 input/1 output | --- |
| | DWC-XSBF08LiF |  | Bullet | 4K 1/2.8" Star-Light Plus™ sensor, 30fps | 6-22mm vari-focal lens | 130ft IR range | 1 line input (1.0Vms, 3K ohm), 1 microphone built-in (1 selectable at a time)/1 output and 14-Watt speakers built-in | 1 input/1 output | --- |
| | DWC-XSBJ08Mi |  | Bullet | 4K 1/2.8" Star-Light Plus™ sensor, 30fps | 2.7-13.5mm vari-focal lens | 110ft IR range | 1 line input, 1 microphone built-in (1 at a time)/1 output | 1 input/1 output | --- |
| | DWC-XSDE08Mi |  | Vandal Dome | 4K 1/2.8" Star-Light Plus™ sensor, 30fps | 2.7-13.5mm vari-focal lens | 100ft IR range | 1 microphone built-in/1 output | 1 input/1 output | --- |
| | DWC-XSDJ08Mi |  | Vandal Dome | 4K 1/2.8" Star-Light Plus™ sensor, 30fps | 2.7-13.5mm vari-focal lens | 110ft IR range | 1 line input, 1 microphone built-in (1 at a time)/1 output | 1 input/1 output | --- |
| | DWC-XSWA08Bi |  | Wall Mounted Camera | 4K 1/1.8" Star-Light Plus™ sensor, 30fps | 2.3mm fixed lens | 100ft IR range | 1 line input, 1 microphone built-in (1 at a time)/1 output | 1 input/1 output | --- |
| | DWC-PDS10W128A |  | Dual-sensor dome | 2x 1/2.8" 5MP Star-Light Plus™ sensors, 30fps | 2x 2.8mm fixed lens | 60ft IR range | 1 microphone built-in/1 output | 1 input/1 output | --- |
| | DWC-XSBA05LiP |  | Bullet | 5MP 1/2.8" Star-Light Plus™ sensor, 30fps | 6-50mm vari-focal lens | 130ft IR range | 1 Line (1.0Vms, 3K ohm) input/1 Line output | 1 input/1 output | Captures and reads vehicle license plates, make, model and color (ALPR). |
| 5MP | DWC-XSBE05Li |  | Bullet | 5MP 1/2.8" Star-Light Plus™ sensor, 30fps | 5-50mm vari-focal lens | 120ft IR range | 1 Line (1.0Vms, 3K ohm) input/1 Line output | 1 input/1 output | --- |
| | DWC-XSBE05Mi |  | Bullet | 5MP 1/2.8" Star-Light Plus™ sensor, 30fps | 2.7-13.5mm vari-focal lens | 120ft IR range | 1 Line (1.0Vms, 3K ohm) input/1 Line output | 1 input/1 output | --- |
| | DWC-XSDA08Bi |  | Vandal Dome | 5MP 1/2.8" Star-Light Plus™ sensor, 30fps | 2.8mm fixed lens | 90ft IR range | 1 input/1 output | 1 input/1 output | --- |
| | DWC-XSDH05Mi |  | Vandal Dome | 5MP 1/2.8" Star-Light Plus™ sensor, 30fps | 2.7-13.5mm vari-focal lens | 100ft IR range | 1 microphone built-in/1 line output | 1 input/1 output | --- |
| | DWC-XSTD05MF |  | Turret | 5MP 1/2.8" Star-Light Plus™ sensor, 30fps | 2.7-12mm vari-focal lens | 90ft range white light | 1 microphone built-in/1 speaker built-in | 1 input/1 output | --- |
| | DWC-XSTD05MFQ |  | Turret | 5MP 1/2.8" Star-Light Plus™ sensor, 30fps | 2.7-12mm vari-focal lens | 90ft range white light | 1 microphone built-in/1 speaker built-in | 1 input/1 output | Detects QR codes and registers the code's text. |
| | DWC-XSTD05Mi |  | Turret | 5MP 1/2.8" Star-Light Plus™ sensor, 30fps | 2.7-13.5mm vari-focal lens | 100ft IR range | 1 microphone built-in/1 line output | 1 input/1 output | --- |
| | DWC-XSTD05Bi |  | Turret | 5MP 1/2.8" Star-Light Plus™ sensor, 30fps | 2.8mm fixed lens | 100ft IR range | 1 microphone built-in/1 line output | 1 input/1 output | --- |

* See product datasheet for full specifications.

DW is Built for Users

Digital Watchdog products are built with the user at the center, delivering intuitive, reliable, and high-performance solutions that simplify security management. From plug-and-play camera systems to powerful video management software, every product is designed to streamline installation, operation, and maintenance.

With features like AI-based object detection, remote access through DW Cloud™, and seamless integration across platforms, DW empowers users—from installers to end-users—with the tools they need to monitor, protect, and respond efficiently. Whether securing a small business or a large enterprise, Digital Watchdog puts usability and peace of mind first.



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