



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

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Why choose 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, applying the analytics to the video on the spot rather than once it arrives on the server.



Reduce Network and Storage Burden

Video analyzed in high-quality and only the most relevant information is sent across the network, reducing the burden on bandwidth and storage.



All-in-one camera, no server required

The cameras handle recording, notifications and monitoring, all accessed remotely, with no need for a dedicated server or remote recorder.

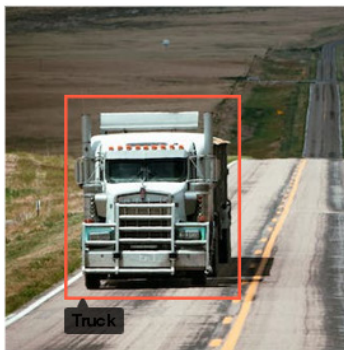


Camera as a System

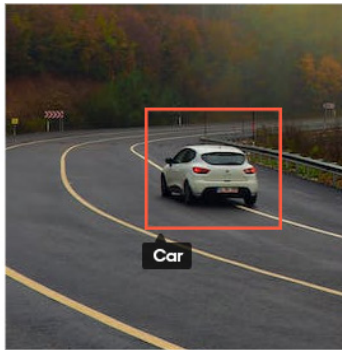
Create a network of CaaS cameras with DW Spectrum edge server, accessible remotely via the DW Spectrum® client and DW Cloud™.

Object Classification

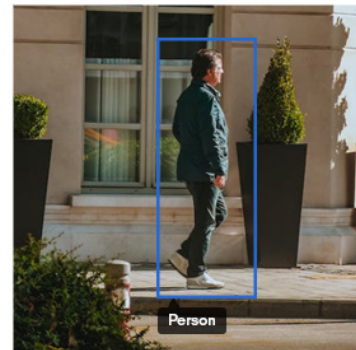
DW's Ai software processes video streams to detect and classify every object in the detection zone. Our AI-based engines perform object detection, automatically classifying the objects in the scene: people, cyclists, cars, buses and vans, trucks, motorcycles, bicycles and bags.



Trucks



Cars



Humans

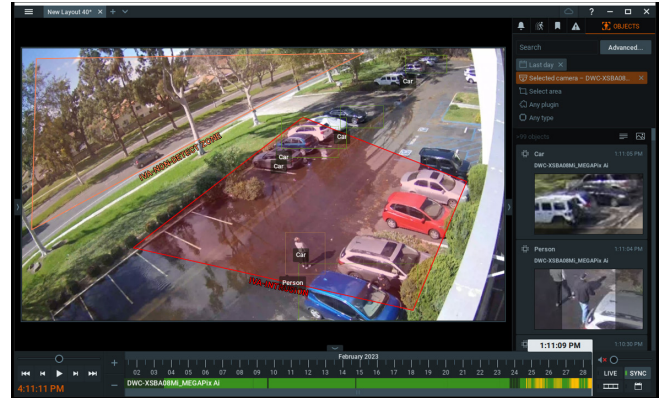
Easy Setup (No Manual Calibration)

Choose what to detect and where with a user-friendly and straightforward UI, without complex calibration.



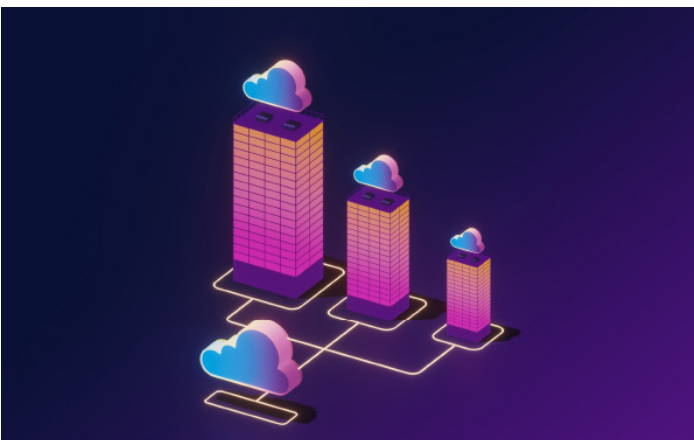
Optimized Performance at the Edge

Working on the camera side substantially reduces bandwidth consumption and accelerate response times with overall improved performance.



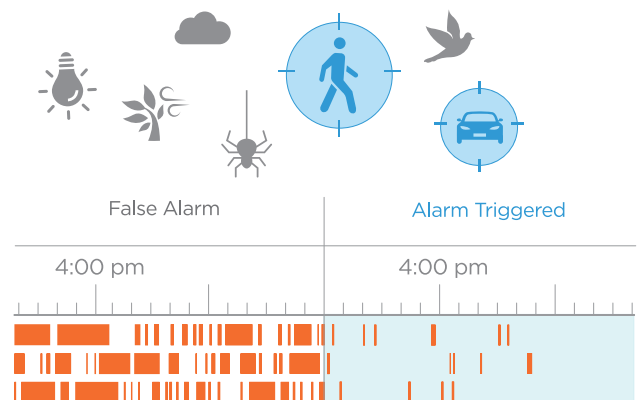
DW Cumulus Hybrid On-Prem & Cloud Storage Solutions

Hybrid Cloud storage approach for CloudCam cameras approach protects surveillance data through secure off-site storage, improves resiliency, and enables predictable, scalable growth.



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.



Easy and Safe

DW's **Camera as a System** edge solutions offer the power and security of the DW Spectrum® IPVMS in a simple and user-friendly deployment.



Easy to use software

Powered by DW Spectrum®.



Auto software updates

No additional costs or recurring charges.



No need for open ports

Access all systems via DWCloud™



Encrypted and secure

Secure and encrypted video connections.



Simple to deploy

Install the camera, download DW Spectrum®, activate license and start watching.



Cross-platform

View from any computer, laptop, smartphone or tablet.

Full control, remote access and live notifications

DW's Camera as a System edge solutions bring you the capabilities of a full-scale VMS in an IP camera. You can access, manage and monitor your system remotely quickly and efficiently.



24/7 access

Access live and archive data remotely, anytime, anywhere.



Activity-based search

Smart action-driven search and thumbnail views.



Multi-user access

Assign multi-level users with different access to the cameras.



Easy archive and sharing

Exporting it and sharing with other users is fast and simple.



90 days of retained video

Exporting it and sharing with other users is fast and simple.



Alerts and notifications

Get instant notifications on your mobile phone, monitoring client and e-mail.

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 objects and people detection, classification, tracking, and color filters.

Object Detection



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.

People Tracking



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.

All-in-One Deterrent Solution

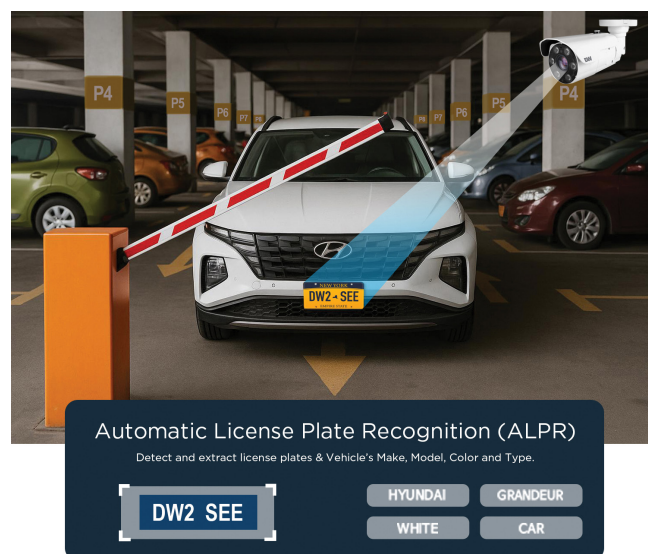
The cameras come with white light LEDs, flashing alarm lights and built-in speaker and microphone, making the camera a complete deterrent solution.



ALPR IP Cameras

DW's Automatic license-plate recognition (ALPR) IP cameras can detect and extract numbers and letters in license plates at up to 45mph at 95% accuracy, converting the pixels to usable digital data.

Paired with an MMCR license to accurately extract a vehicle's attributes, such as make, model, color, and type, in addition to the vehicle's license plate.



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.

Star-Light Plus Color in Near-Total Darkness Technology

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



Monochrome and color image in near-total darkness.

True Wide Dynamic Range (WDR)

Cameras with true WDR technology have advanced sensors that can deliver clear images in a wider range of lighting.



Details are visible in over and under exposed areas.

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

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.



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GSA

Trade
Agreements
Act FAR 52.225-5



Seamless Integration with DW Spectrum and DWCloud

DW Ai analytics are natively integrated with DW Spectrum for easy configuration, real-time alerts and automatic notifications.



MODEL	DWC-XFFA12AiCx	DWC-XSDE08MiCx	DWC-XSBA08MiCx	DWC-XSBC08BiCx	DWC- XSBF08LiFCx	DWC-XSTD05MFCx	DWC-XSBA05LiPCx
Image sensor	12MP 1/2.3" Star-Light Plus™ sensor	4K 1/2.8" Star-Light Plus™ sensor	4K 1/2.8" Star-Light Plus™ sensor	4K 1/1.8" Star-Light Plus™ sensor	4K 1/2.8" Star-Light Plus™ sensor	5MP 1/2.8" Star-Light Plus™ sensor	5MP 1/2.8" Star-Light Plus™ sensor
Total pixels	4073(H) X 3176(V)	3864(H) X 2228(V)	3864(H) X 2228(V)	3856(H) X 2200(V)	3864(H) X 2228(V)	2608(H) X 1984(V)	2704(H) X 2104(V)
Focal length	1.5mm, fisheye lens	2.7-13.5mm, vari-focal lens	2.7-13.5mm, vari-focal lens	2.3mm, fixed lens	6-22mm, vari-focal lens	2.7-12mm, vari-focal lens	6-50mm, F1.6
IR/white light distance	70ft IR range	100ft IR range	140ft IR range	100ft IR range	130ft IR range	90ft range white light	130ft IR range
Audio input/output	1 microphone built-in/ 1 output	1 microphone built-in/ 1 output	1 (1.0Vms, 3K ohm) input/1 output	1 Line (1.0Vms, 3K ohm) input/1 Line output	1 line input, 1 microphone built-in/1 output and 14-watt built-in speakers	1 microphone built-in/ 1 speaker built-in	1 (1.0Vms, 3K ohm) input/1 output
Alarm input/output	1 input/1 output						
CloudCam storage	DWC-XFFA12AiC1: 1TB DWC-XFFA12AiC5: 512GB DWC-XFFA12AiC2: 256G	DWC-XSDE08MiC1: 1TB DWC-XSDE08MiC5: 512GB DWC-XSDE08MiC2: 256GB	DWC-XSBA08MiC1: 1TB DWC-XSBA08MiC5: 512GB DWC-XSBA08MiC2: 256GB	DWC-XSBC08BiC1: 1TB DWC-XSBC08BiC5: 512GB DWC-XSBC08BiC2: 256GB	DWC- XSBF08LiFC1: 1TB DWC- XSBF08LiFC5: 512GB DWC- XSBF08LiFC2: 256GB	DWC-XSTD05MFC1: 1TB DWC-XSTD05MFC5: 512GB DWC-XSTD05MFC2: 256GB	DWC-XSBA05LiPC1: 1TB DWC-XSBA05LiPC5: 512GB DWC-XSBA05LiPC2: 256GB
Housing	Fisheye	Low-profile vandal dome	Bullet	Wide lens bullet	Bullet	Turret	ALPR bullet
Other certifications	CE, FCC, UL, NDA, TAA						

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