MEGA**PIX**® Ai CAAS™

Camera as a System with Next-generation Video Analytics

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

NDAA/TAA
COMPLIANT PRODUCT

DW®

MEGAPIX® **Ai CaaS**™

Ai INSIDE

Camera as a System with Next-Generation Video Analytics

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.
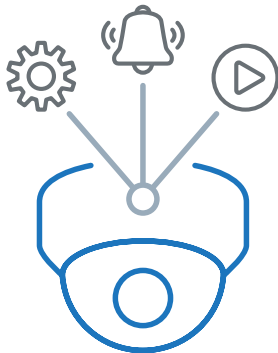
Lightning Fast Analytics

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.
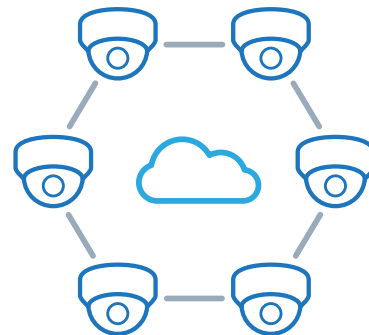
Reduce Network and Storage Burden

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™.
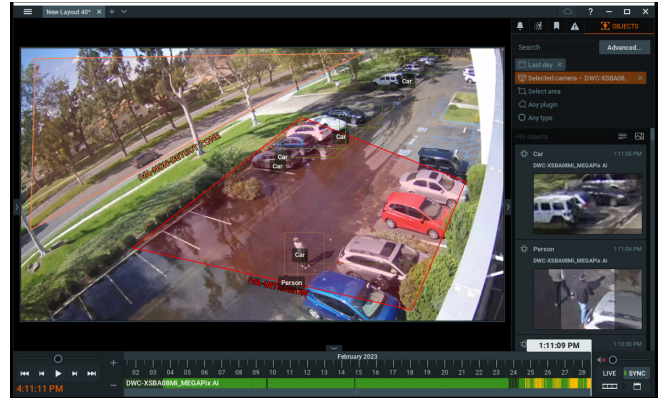
DW®

Easy Setup (No Manual Calibration)

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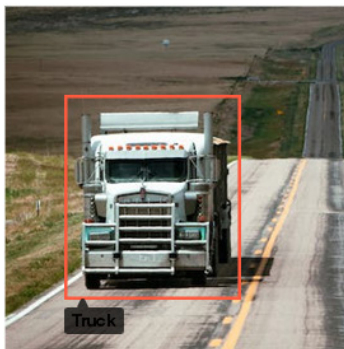

Optimized Performance at the Edge

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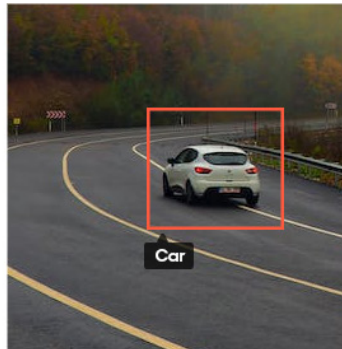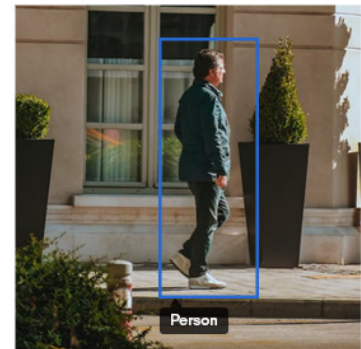

Object Classification

DW's Ai software processes video streams to detect and classify every object 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.
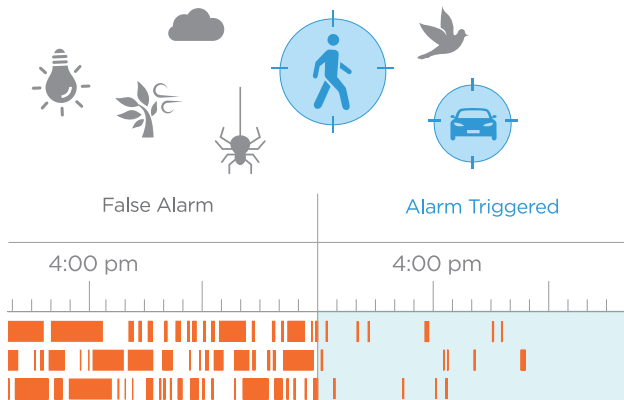

Trucks

Cars

Humans

False Alarm   Alarm Triggered

4:00 pm   4:00 pm

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.

Stay current with all DW® solutions at: **www.Digital-Watchdog.com**

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.
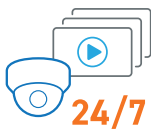
Cross-platform

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

24/7 access

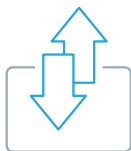Access live and archive data remotely, anytime, anywhere.

Activity-based search

Smart action-driven search and thumbnail views.
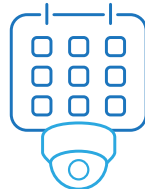
Multi-user access

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®

MEGAPIX Ai CaaS

Ai INSIDE

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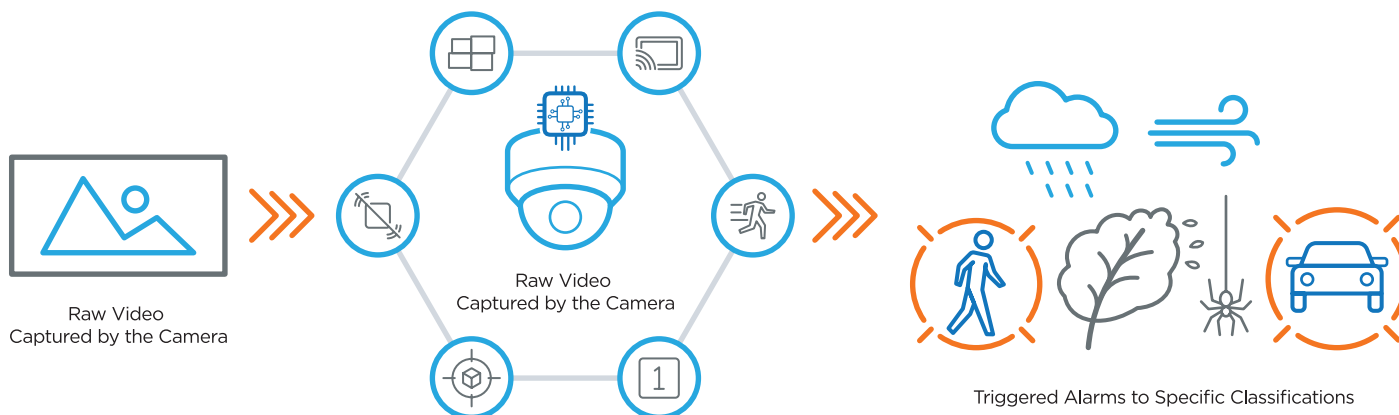
Logic rules
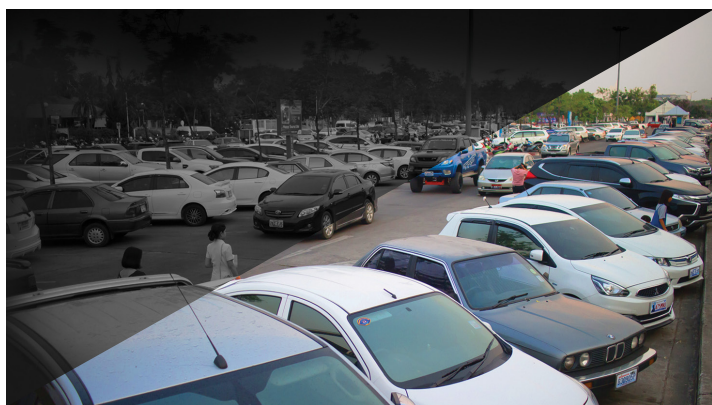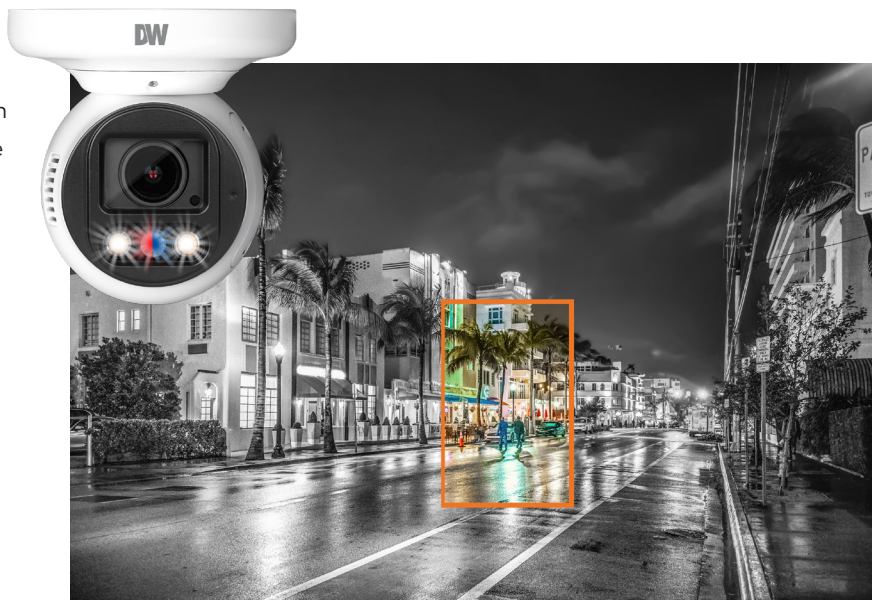Combine multiple rules to create specific conditions for events.

Logical Rules

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

Raw Video
Captured by the Camera

Raw Video
Captured by the Camera

Triggered Alarms to Specific Classifications

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.

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.

DW

Ai INSIDE

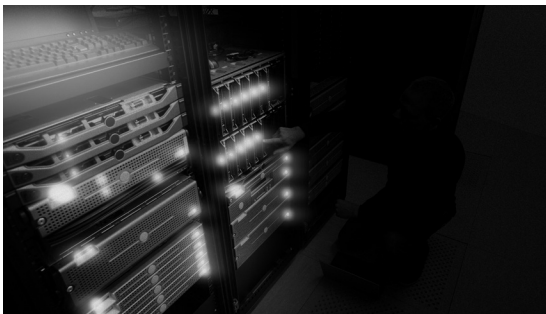## True Wide Dynamic Range (WDR)

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.

Smart IR™

Prevent excessive illumination on objects that are in the front of the scene while offering a clear B/W image without loss of detail.

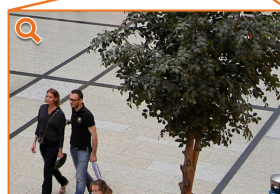IR light reflects from object, reducing visibility.

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

Higher Resolution = More Pixels, More Forensic Details

DW's technology delivers high-resolution, crystal-clear images, making more minor details appear clearer and sharper when zooming into the scene.

Higher Resolution = more pixels to zoom into.

Details are lost in lower resolution zoom.

Seamless Integration with DW Spectrum IPVMS and DWCloud™

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

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.

MODEL	4K bullet	5MP turret, white light LEDs
SKU	DWC-XSBA08MiC1	DWC-XSTD05MFC1
Image sensor	4K 1/2.8" Star-Light Plus™ sensor	1/2.8" 5.17M Star-Light Plus™ sensor
Total pixels	3864(H) X 2228(V)	2608(H) X 1984(V)
Focal length	2.7-13.5mm vari-focal lens	2.7-12mm vari-focal lens
IR/white light distance	140ft IR range	90ft range white light
Audio input/output	1 (1.0Vms, 3K ohm) input/1 output	1 microphone built-in/ 1 speaker built-in
Alarm input/output	1 input/1 output	1 input/1 output
CaaS Storage	1TB	1TB
Housing	Bullet	Turret
Certifications	CE, FCC, UL, NDAA, TAA	

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

Built for Users.™

866.446.3595   sales@digital-watchdog.com   www.digital-watchdog.com