

TECHNICAL ANNOUNCEMENT

July 2023

SUBJECT

EYE-SIGHT DDA^{2ND} GENERATION & IPC v5.1.2

Experience the Innovation

Announcing the release of the new EYE-SIGHT FW v5.1.2 & DDA^{2TM}

Supported devices: EYE-SIGHT IPC XX-340IPEN-XX / XX-380IPEN-XX

LIST OF IMPROVEMENTS:

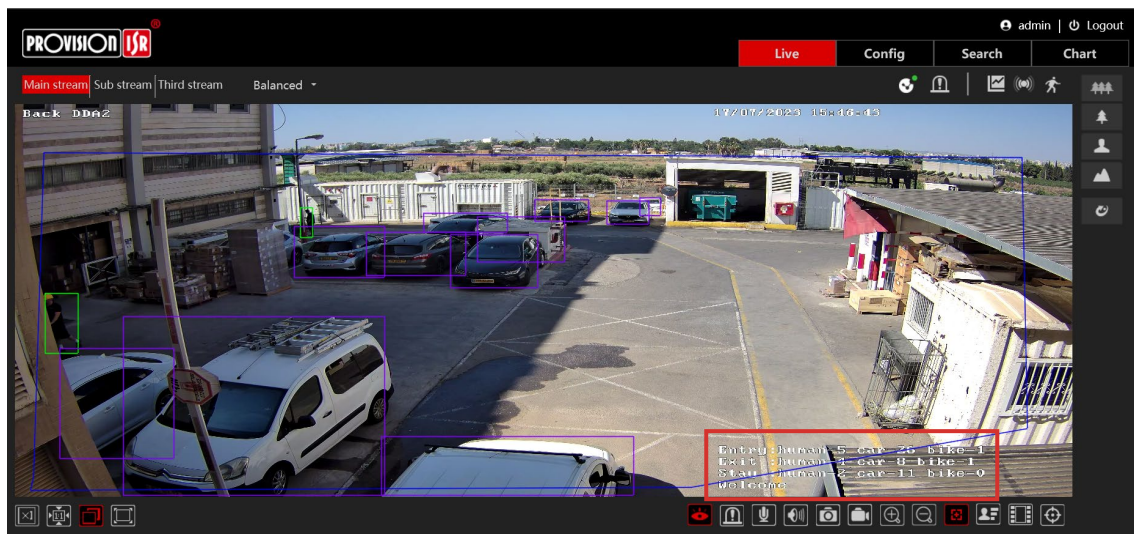
1) NEW: HEATMAP

Want to know which are the areas of highest traffic in the scene? The Heatmap feature will **paint the image** based on the **high foot traffic** in that area by displaying the highest in red and the lowest in Blue.



2) NEW: AREA COUNTING

Humanity has been counting things ever since they scratched lines on rocks. We have a quicker and much better way! The new counting method immediately informs you (trigger and alert options) of the number of **objects currently in the perimeter**.



3) NEW: DDA2™

Analyze surveillance footage with better precision!

The artificial intelligence on board Provision-ISR cameras has accurately recognized humans, two-wheeled and four-wheeled vehicles. The second-generation DDA Video Analytics goes further by having the ability to recognize detailed information for each type of object.

DDA ^{2nd} GENERATION

2nd generation DDA2™ can recognize **more detailed information** about any detected object, Whether a human or a vehicle. Examples of these are Gender, Clothes color, Glasses, Hats, Vehicle brand, color, and much more.

A. HUMAN

Alongside human recognition, the system will also identify the following characteristics:

Gender	Direction	Age
Hat	Glasses	Backpack
Sleeves	Trousers	Skirt
Top Color	Bottom Color	Mask
Handbag		


Each attribute above can be searched to **minimize the time it takes** to track down a human of interest.

Snap Details ✕


Basic information

Snap Time:	23/02/2023 14:49:52	Camera:	DDA 2nd Gen
Event type:	Video Metadata	Object Type:	Human

Snapshot



Scene



Gender: Male, Age: Senior (60), Direction: Side, Headgear: No, Glasses: No, Backpack: No, Long/Short Sleeves: Long sleeves, Top Color: Black, Lower Clothing: Unknown, Bottom Color: Unknown, Skirt/Dress: Unknown, Mask: Mask Off, Shoulder bag: No

Camera No: DDA 2nd Gen
Device No: 00:10:ae:e9:c7:e3 Capture Time: 2023-02-23 14:49:52

Attribute Information

Sex: Male	Age: Elderly	Mask: No	Hat: No
Glasses: No	Backpack: No	Upper Clothing: Black L...	Lower Clothing: Unknown
Skirt/Dress: Unknown	Direction: Side		

Others ▾ Playback Previous Next Exit

In the above example image, an older man (60), captured from the side, is wearing a black top.

B. 2-WHEELED VEHICLE

In addition to recognizing 2-wheeled vehicles, the system will also identify the following:


Type (Bicycle, Electric Bicycle, Motorcycle, Tricycle)

Snap Details ✕


Basic information

Snap Time:	23/02/2023 13:56:20	Camera:	DDA 2nd Gen
Event type:	Video Metadata	Object Type:	2 Wheel Vehicle

Snapshot



Scene



Attribute Information

Type:Motorcycle

Others ▾ Playback Previous Next Exit

For example, Motorcycle.

C. 4-WHEELED VEHICLE

Alongside 4-wheeled vehicle recognition, the system will also identify the following characteristics:

Color Year Type (Car, SUV, Bus, Etc.)
Brand (Mazda, Renault, Volkswagen, Etc.) Model (Golf, Kangoo, Tucson, Etc.)

Each attribute above can be searched to **minimize the time it takes** to track down a vehicle of interest.

The screenshot displays the 'Snap Details' window with the following information:

- Basic information:**
 - Snap Time: 23/02/2023 15:52:14
 - Camera: DDA 2nd Gen
 - Event type: Video Metadata
 - Object Type: Vehicle
- Snapshot:** A small thumbnail image of the identified vehicle.
- Scene:** A larger video frame showing a street scene with a blue bounding box around the identified vehicle. Text overlay in the scene reads: "Color: Grey, Year: 2017, Type: SUV, Brand: Honda, Model: Honda, Vezele".
- Attribute Information:**
 - Color: Grey
 - Type: SUV
 - Brand: Honda

At the bottom of the interface, there are navigation buttons: 'Others' (with a dropdown arrow), 'Playback', 'Previous', 'Next', and 'Exit'.

In the above example image, a 2017 grey Honda SUV Vezele.