

The purpose of this document is to provide a central location for resources related to the Ganz AI Box. By centralizing information in this document, it creates an easy and effective way to provide relevant information.

Regarding the AI Box, by design it is an embedded unit, which requires a more mindful design intent when planning to deploy.

AI Box Intent and Planning

- To help plan a mindful AI Box based solution, our CBC Poland office created an [AI Box Resource Calculator](#)

The Ganz AI Box resource calculator allows for designing a configuration with a targeted intent. A breakdown or overview of each section of the calculator is provided below.

Section 1. AI Device Selection

- Select the AI Box target model: ZN-AIBOX-4, ZN-AIBOX-8, ZN-AIBOX-16
- Verify the correct number of channels are display: 4, 8, or 16
- The available AI Point (AI Resources) displayed is the total available per the target model.

Section 2. AI Algorithm / Function Selection

- Function selection is geared towards a defined market target, example Perimetry, Marketing, Social Distance, exc.
 - This section is optional and does not have to be included when selecting.
 - Leave unselected to configure a customized solution
- Algorithm: Select and add the AI algorithm required for the target customized solution
 - Note the listed algorithms indicate their AI point (resource) requirement
 - Example: Human – Fisheye “480” / “480” indicates the AI points required for the algorithm
 - Select +Add, to add the target algorithm to the custom configuration

1. AI Device Selection

Model:	ZN-AIBOX-8	▼
Channels:	8	
AI Points:	2000	

2. AI Algorithm / Function Selection

AIBOX Min. Ver.: 72x10.1.100247.xxx
AI CAM Min. Ver.: 80100.1.0076.xxx

Function:	Choose (optional) ...	▼
Algorithm:	Human / Vehicle - Normal "120"	▼ + Add

Features, additional information:

Algorithm, additional information:

Included in the price of the device.






Detection of People and/or Vehicles, the algorithm analyzes less details on the detected objects, which in the case of large distances or the presence of objects similar to the shape, e.g. a human, may cause a false alarm.

Section 3. List of Selected Algorithms

- Channels Added, indicates the number of channels available, per AI Box model, 4Ch, 8Ch, 16Ch
- Remaining AI Points, indicates the available AI resources after the addition of an AI Algorithm
- Available Channels, indicates how many channels are available, after the addition of an AI Algorithm
- Free Channels, indicates how many channels are available, after the addition of an AI Algorithm

Note: A common misconception is to look at the channels offered by an AI Box and assume all will be available.

Due to the combined AI resource requirements per configuration, not all channels may be usable.

3. List of Selected Algorithms (additional information about the licenses required for the purchase of the device)							
Channels Added:	8	Remaining AI Points:	275	Available Channels:	0	Free Channels:	0
# Channel	Algorithm	AI Points	Required License	Delete			
1	Face Recognition	135	Hardware License ZN-AIBOX-FR1 or ZN-AIBOX-FR4 or ZN-AIBOX-FR8 (only AIBOX 16)				
2	Face Recognition	135	Hardware License ZN-AIBOX-FR1 or ZN-AIBOX-FR4 or ZN-AIBOX-FR8 (only AIBOX 16)				
3	Face Recognition	135	Hardware License ZN-AIBOX-FR1 or ZN-AIBOX-FR4 or ZN-AIBOX-FR8 (only AIBOX 16)				
4	LPR - US (Faster)	480					
5	LPR - US (Faster)	480					

A general guide on the available AI points (resources) per Ganz AI Box is provided below.

General Guide to AI Point resources

AI point resource consumption is according to the algorithm allocation.

- The 4Ch AI Box offers a total capacity of up to 1000 (250 AI points per channel)
- The 8Ch AI Box offers a total capacity of up to 2000 (250 AI points per channel)
- The 16Ch AI Box offer a total capacity of up to 2000 (125 AI points per channel)

If the required AI point cost is 500

- For the 4Ch AI Box: The maximum allocation is 2 channels worth of AI points
 - (= 250 AI points x 2 Ch's = 500 AI points)
- For the 8Ch AI Box: The maximum allocation is 2 channels worth of AI points
 - (= 250 AI points x 2 Ch's = 500 AI Channels)
- For the 16Ch AI Box: The maximum allocation is 4 channels worth of AI points
 - (= 125 AI points x 4 Ch's = 500 AI Channels)

Please note links below

[AI Box microsite](#)

AI Box Landing pages

[ZN-AIBOX4](#)

[ZN-AIBOX4-FR1](#)

[ZN-AIBOX16](#)

[ZN-AIBOX16-FR](#)

Resources - Manual

[AI Box Brochure](#)

[AI Box Series Specifications](#)

[AI Box User Manual](#)

[AI Box Camera Installation Guide](#)

[AI Box FR System Installation Guide](#)

[AI Box Quick Guide](#)

[CASE STUDY: GANZ AI AS A RETAIL SOLUTION TO PANDEMIC RESTRICTIONS](#)

[Warranty](#)

AI Box demonstration Videos

[AI Box LPR](#)

[AI Box Face Recognition](#)

[AI Box Thermal Tracking](#)

[AI Box Fall Detection](#)

[AI Box Counting](#)

AI Box Training Videos

[Ganz AI Box Training I Part 1 Navigational Overview - Discovery](#)

[Ganz AI Box Training I Part 2 Navigational Overview - Live View](#)

[Ganz AI Box Training I Part 3 Navigational Overview - AI Sources](#)

[Ganz AI Box Training I Part 4 Navigational Overview - AI Security](#)

[Ganz AI Box Training I Part 5 Navigational Overview - Discovery AI Marketing](#)

[Ganz AI Box Training I Part 6 Navigational Overview - Search](#)

[Ganz AI Box Training I Part 7 Navigational Overview - Display](#)

[Ganz AI Box Training I Part 8 Navigational Overview - Network](#)

[Ganz AI Box Training I Part 9 Navigational Overview - User](#)

[Ganz AI Box Training I Part 10 Navigational Overview - System](#)

[Ganz AI Box Training II Part 1 - Video Sources 101](#)

[Ganz AI Box Training II Part 2 - AI Detector 101](#)

[Ganz AI Box Training II Part 3 - AI Trigger 101](#)

[Ganz AI Box Training II Part 4 - Schedule 101](#)

[Ganz AI Box Training II Part 5 - Event Action 101](#)

[Ganz AI Box Training II Part 6 - Action Rules 101](#)

[Ganz AI Box Training II Part 7 - System Backup 101](#)