How to use Self-Learning on GUI5.0

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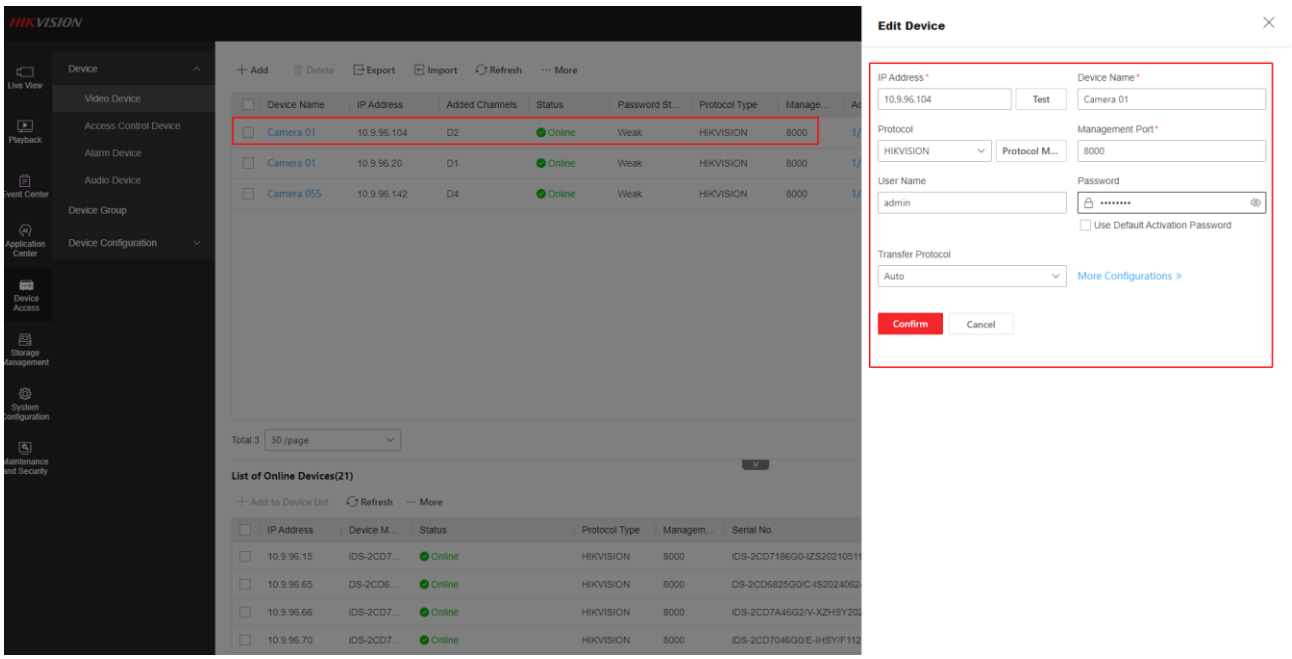
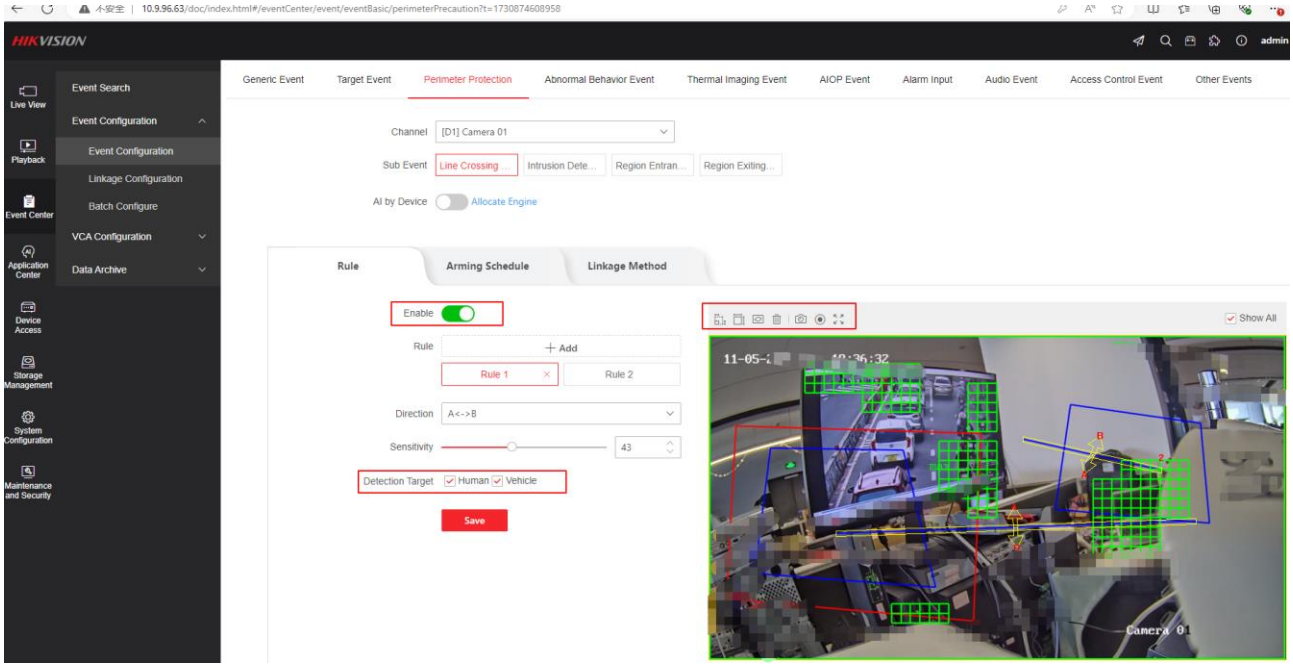
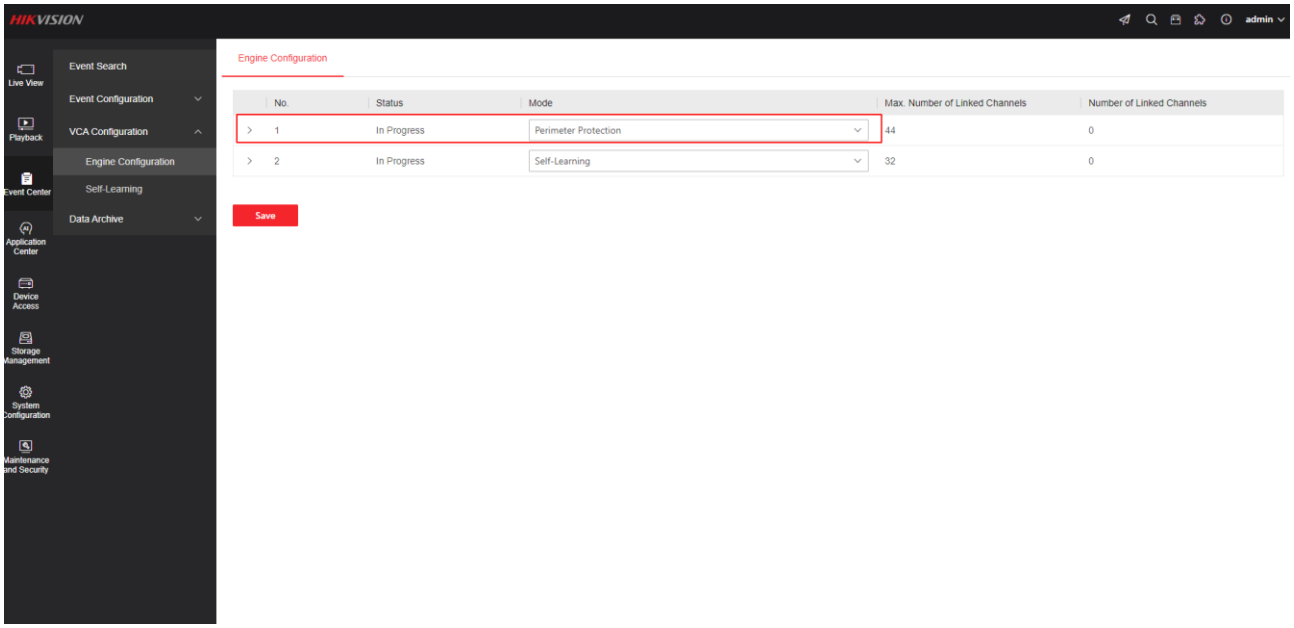
Step 1: Add camera And configure Perimeter Event

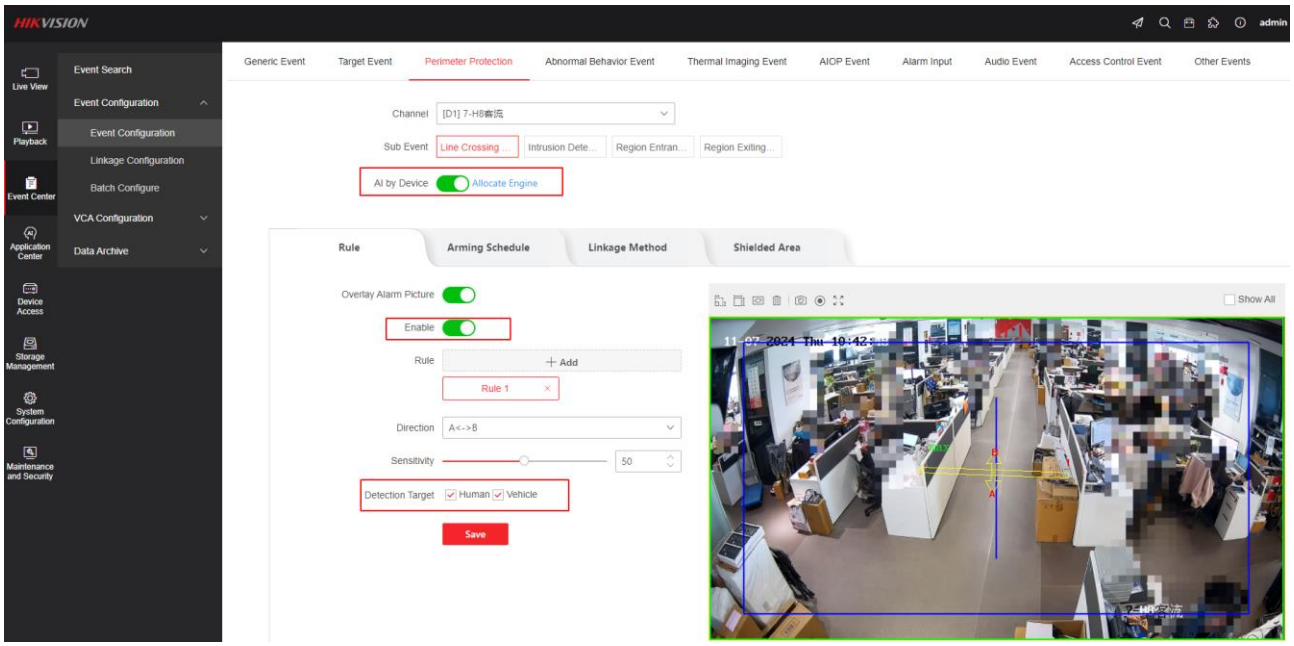


a) If IPC supports Perimeter Event, We can use the camera's perimeter function and select Humam or Vehicle



b) If ipc does not support Perimeter Event, NVR needs to have two engines, one of which switches to the Perimeter function





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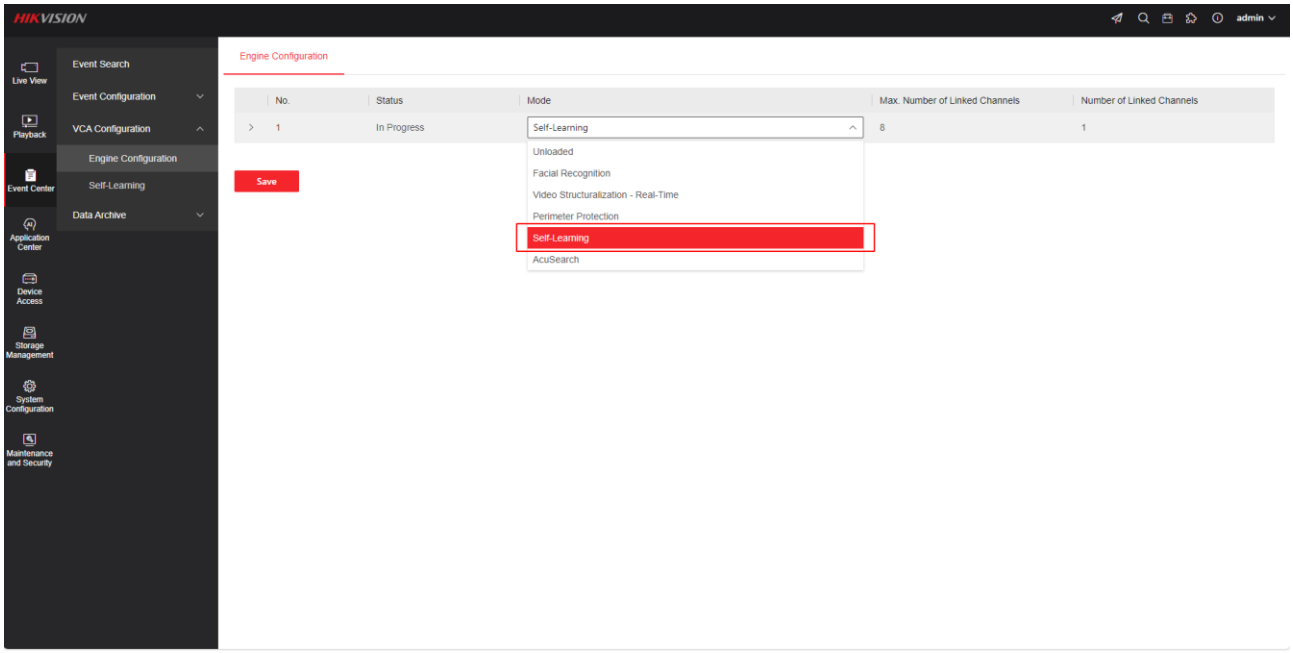
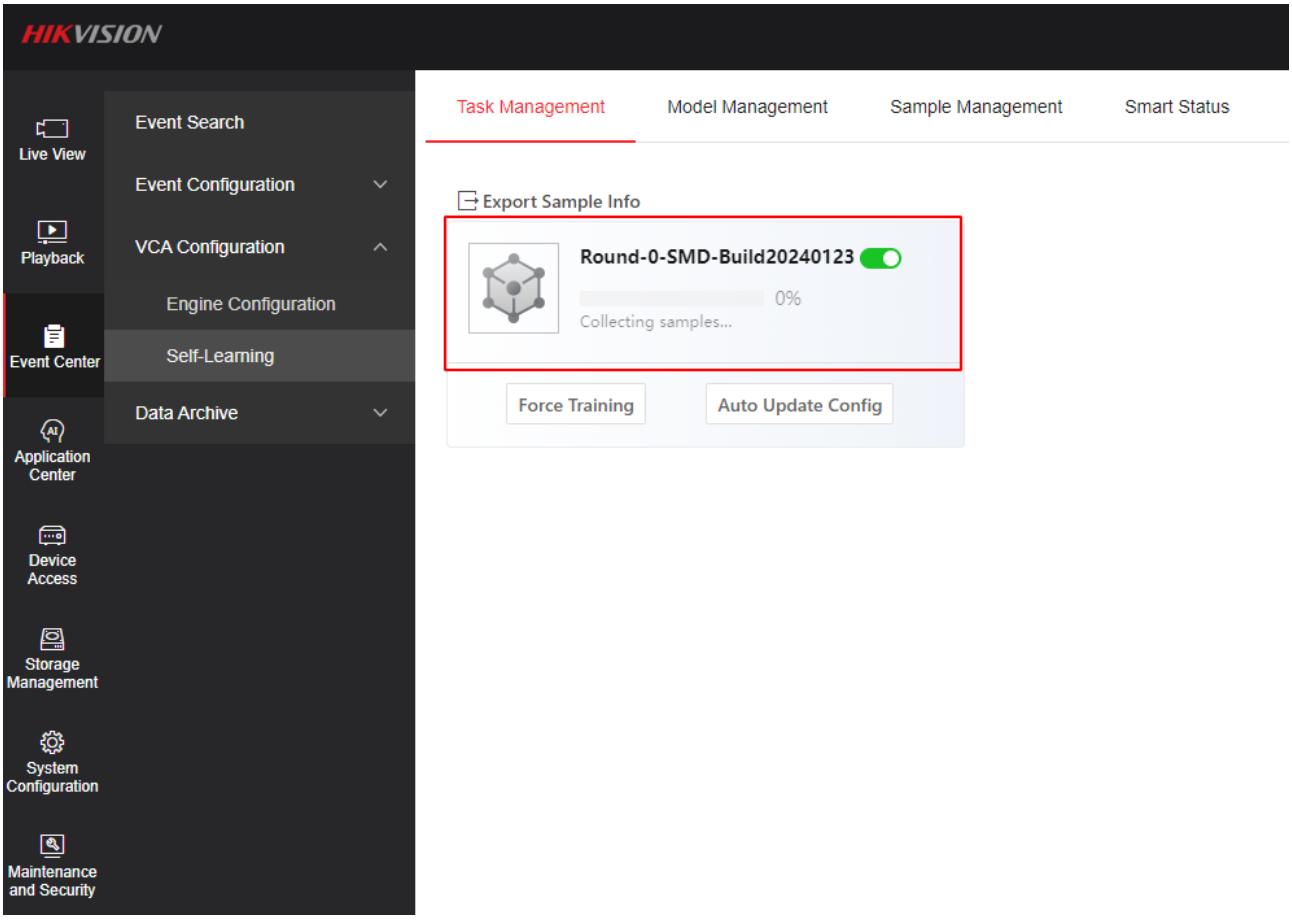
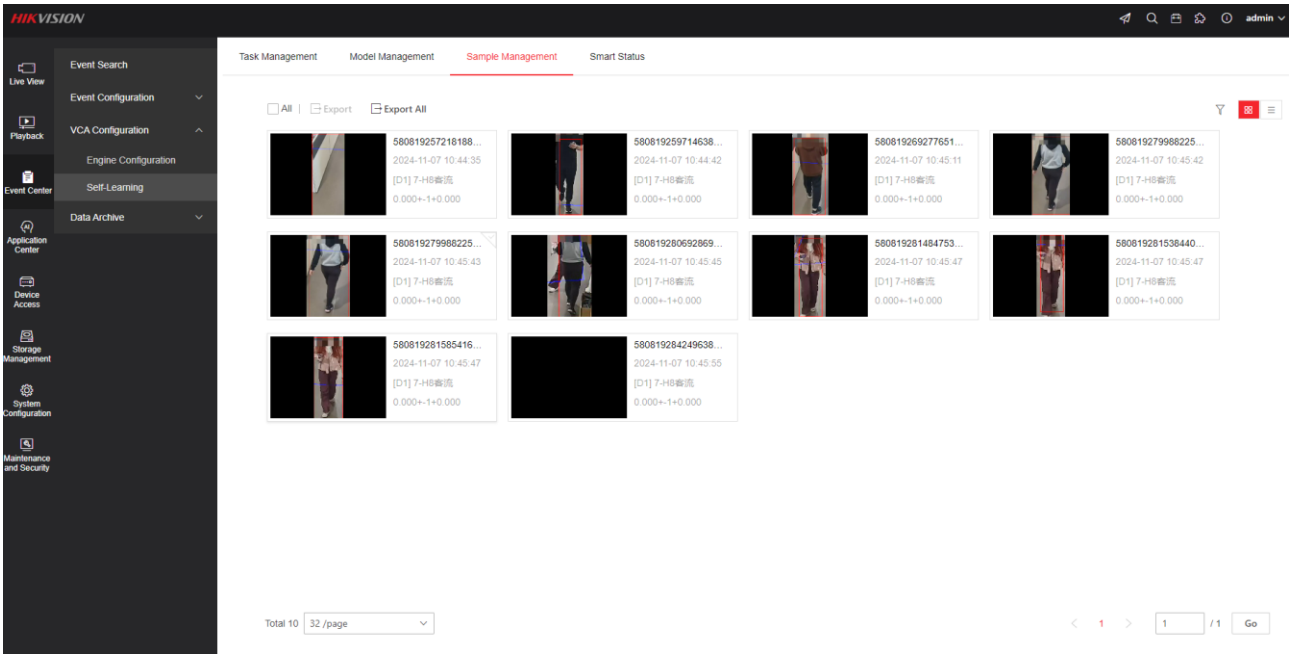
Step 2 : Switch Engine to Self-learning

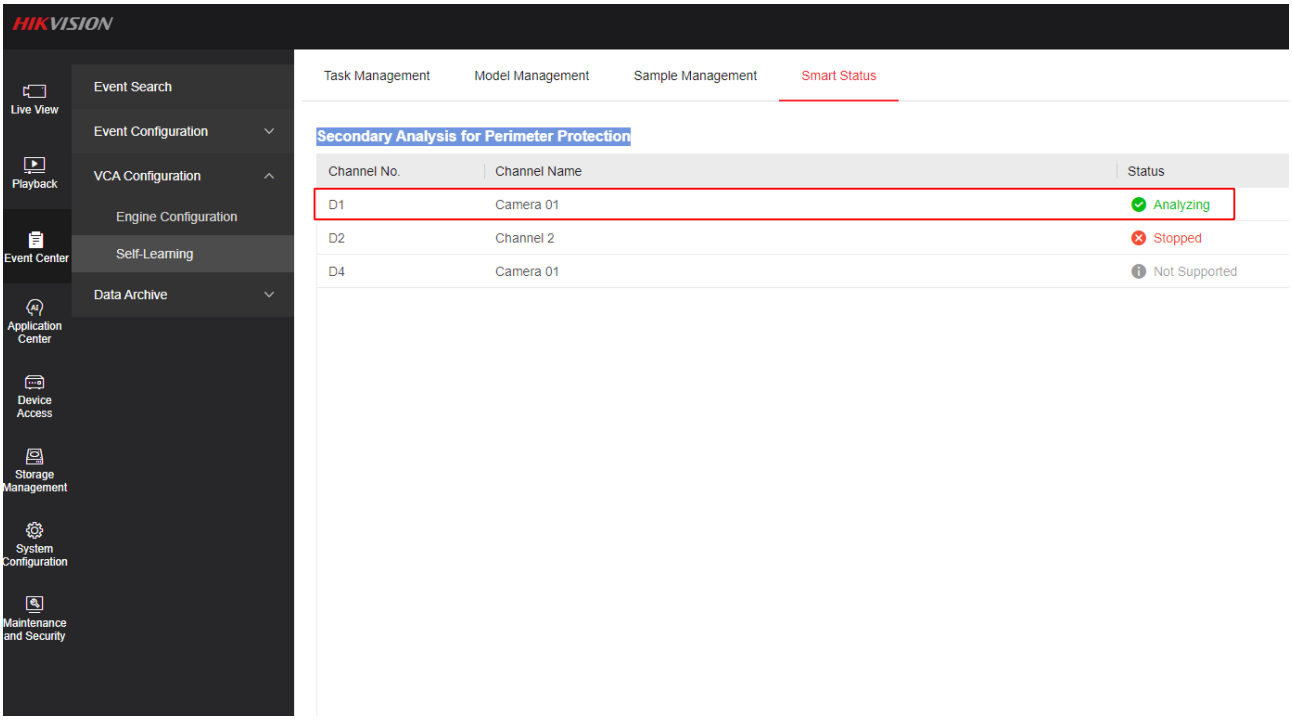


c) Check self-learning Progress and Secondary Analysis for Perimeter Protection





The capacity of the self-learning engine for secondary analysis is 4 per second

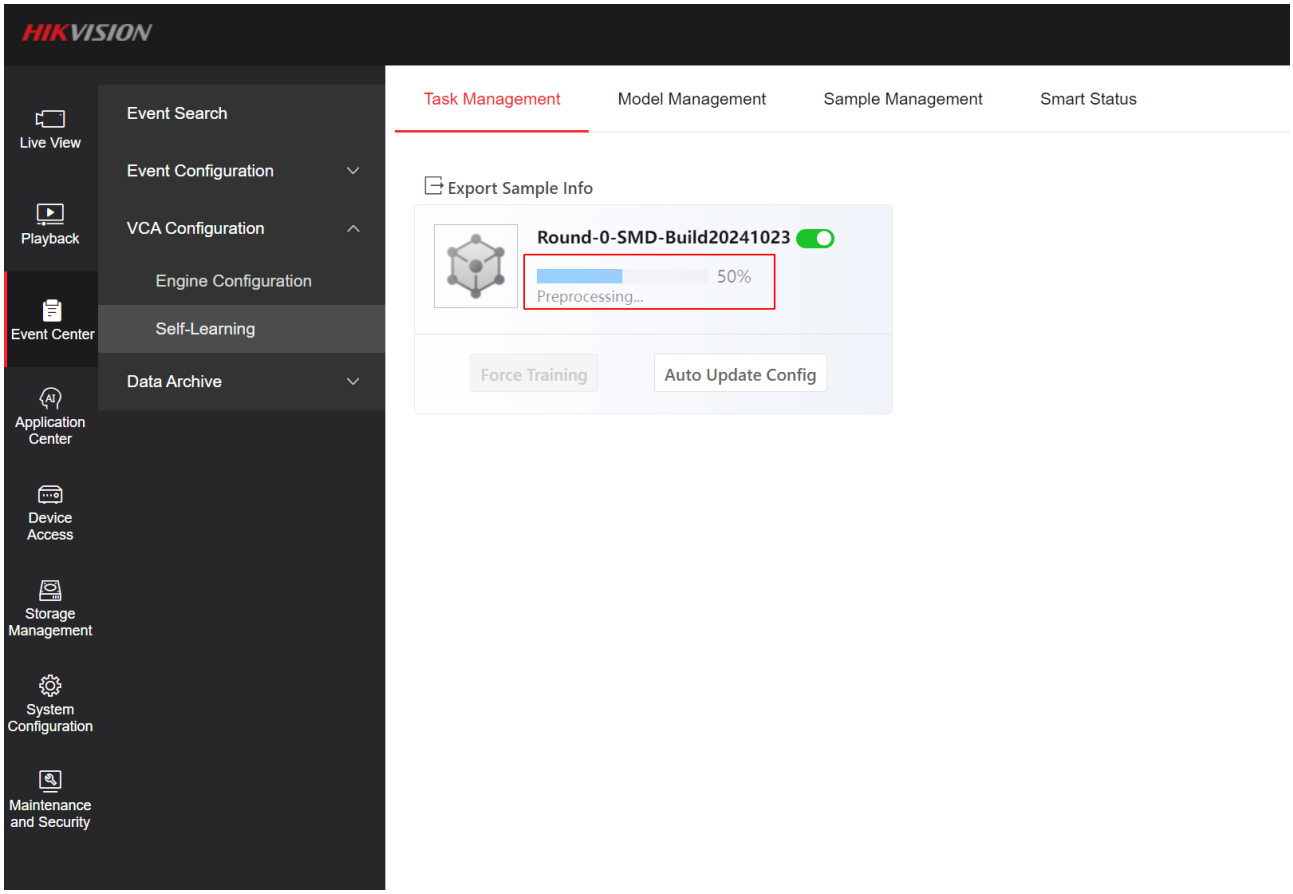


Step 3 : Training model

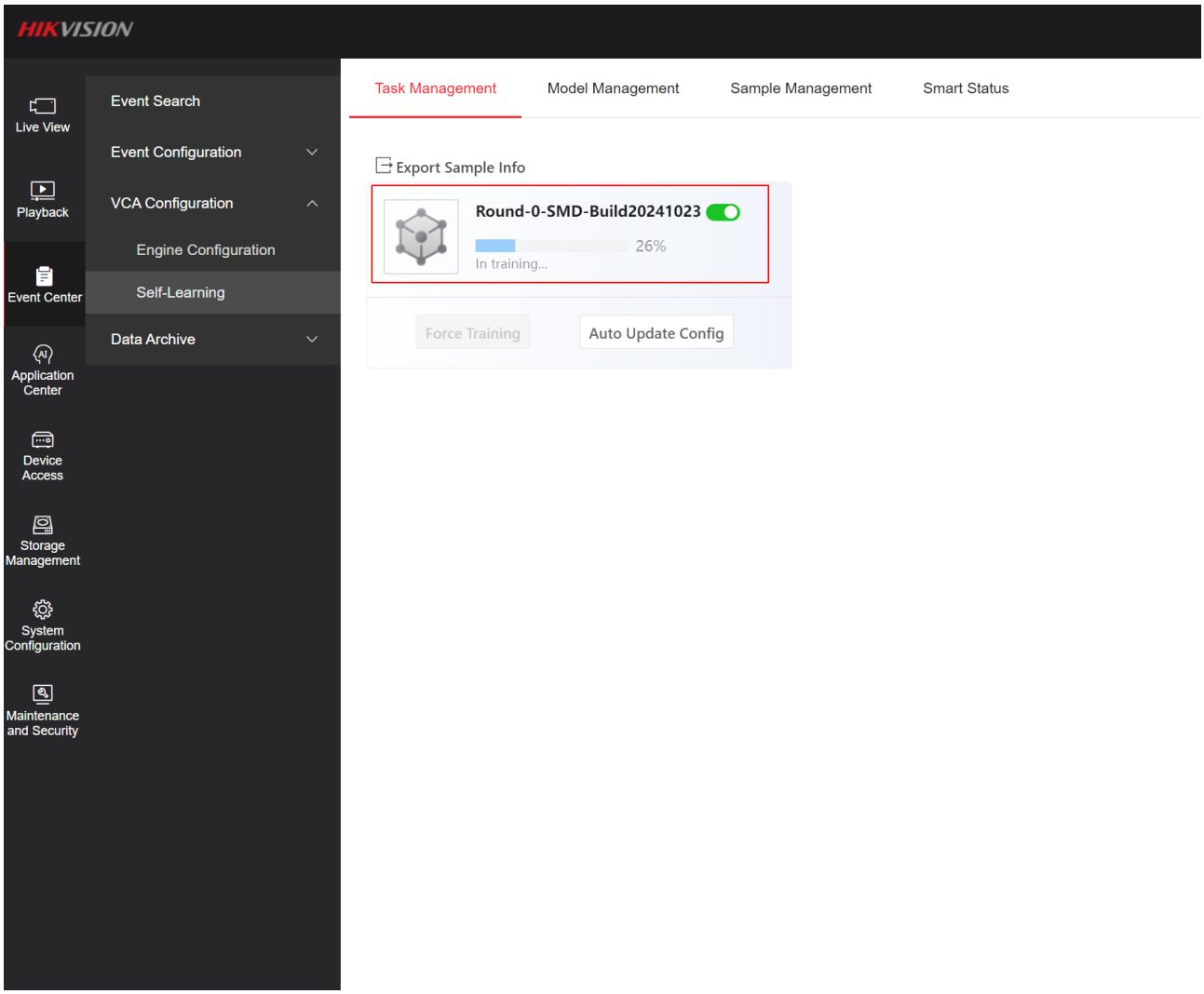
Once the sampel collection is complete, the model will be preprocessing

Conditions to start training(Any one condition)

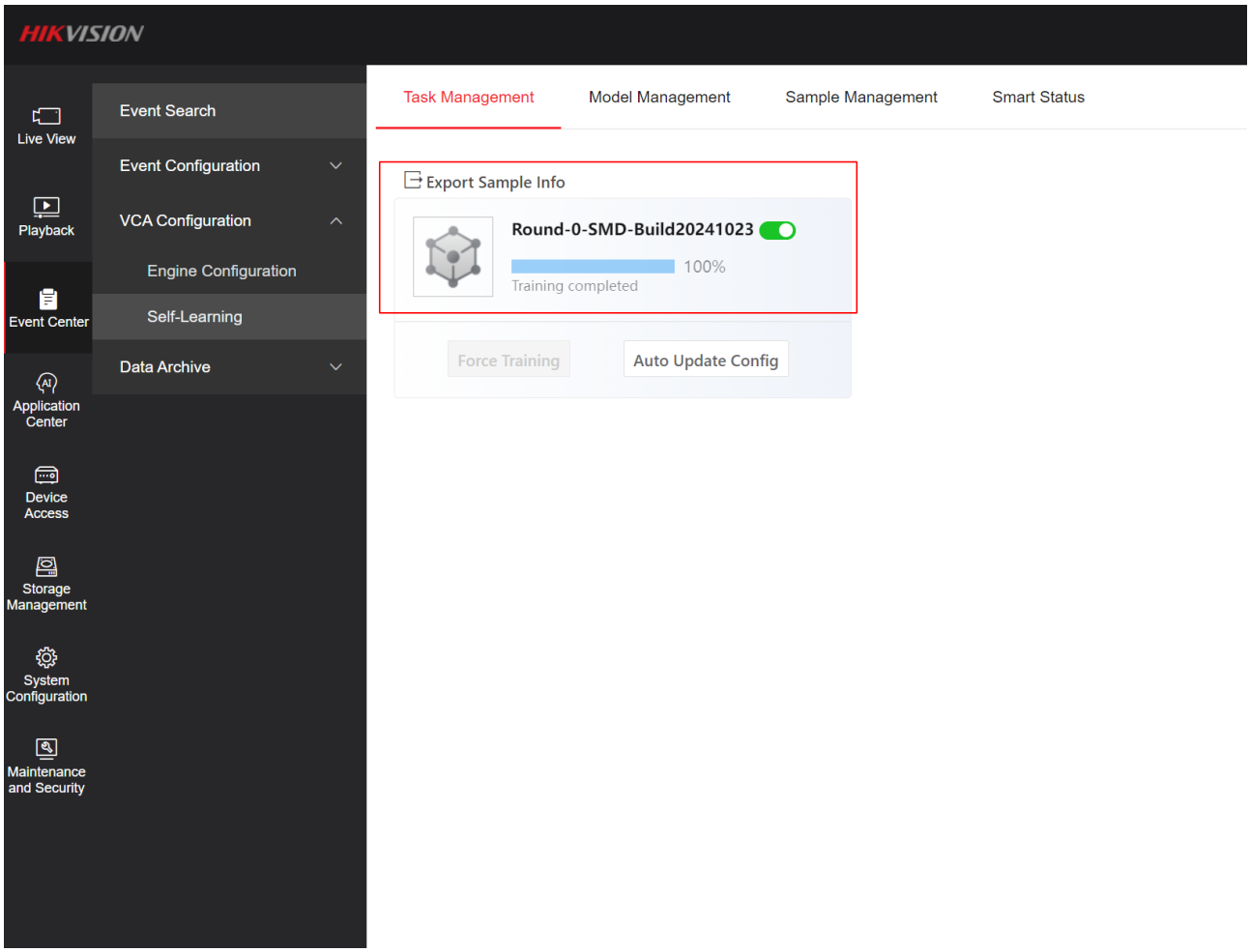
- 5W of samples in five days
- More than 5 days. Over 1W samples
- More than 30 days.Over 2,000 samples

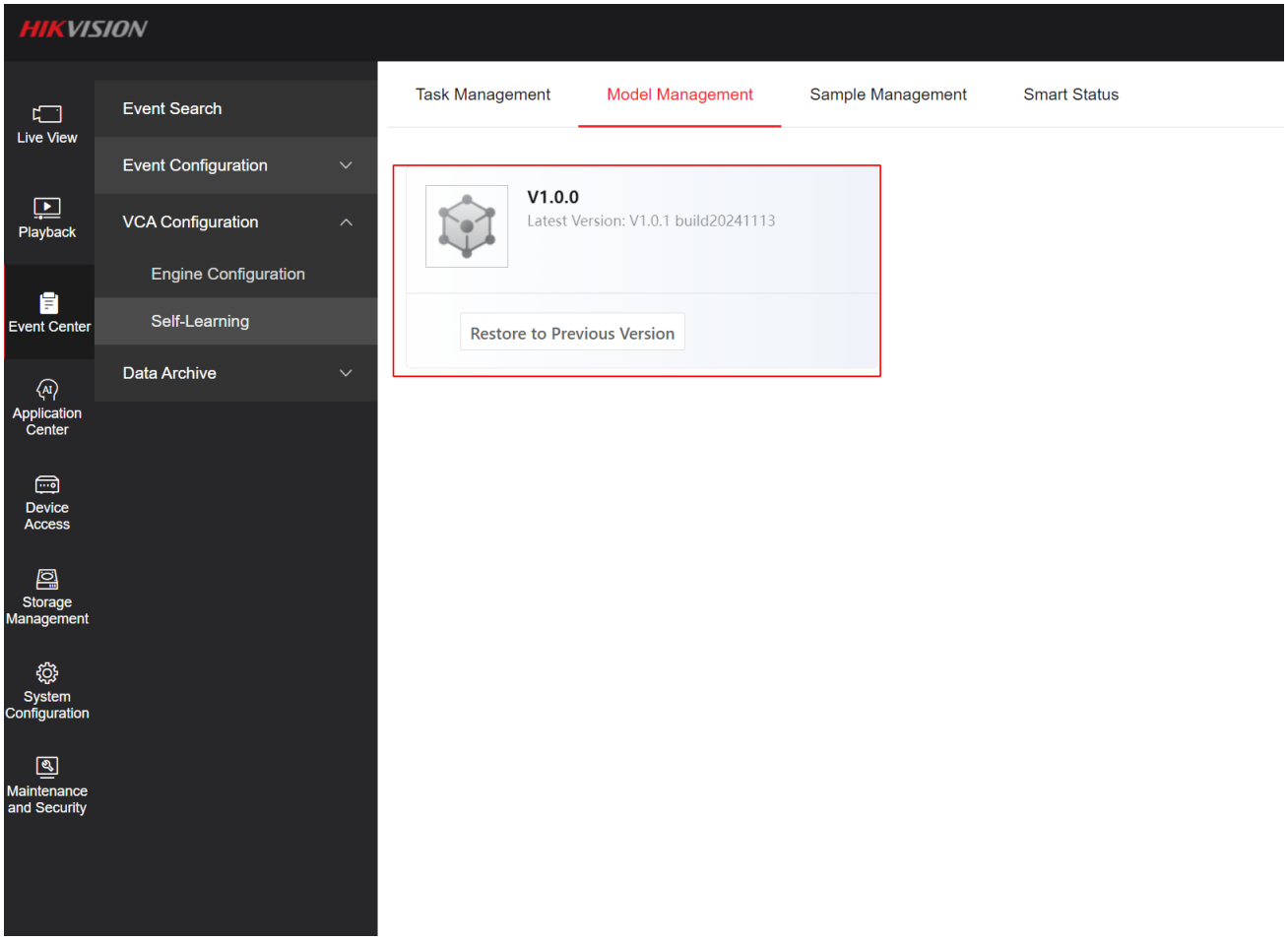

HIKVISION
Live View
Playback
Event Center
Application Center
Device Access
Storage Management
System Configuration
Maintenance and Security
Event Search
Event Configuration
VCA Configuration
Engine Configuration
Self-Learning
Data Archive
Task Management
Model Management
Sample Management
Smart Status
Export Sample Info
Round-0-SMD-Build20241023
50%
Preprocessing...
Force Training
Auto Update Config

After the preprocessing is completed, the model is in training



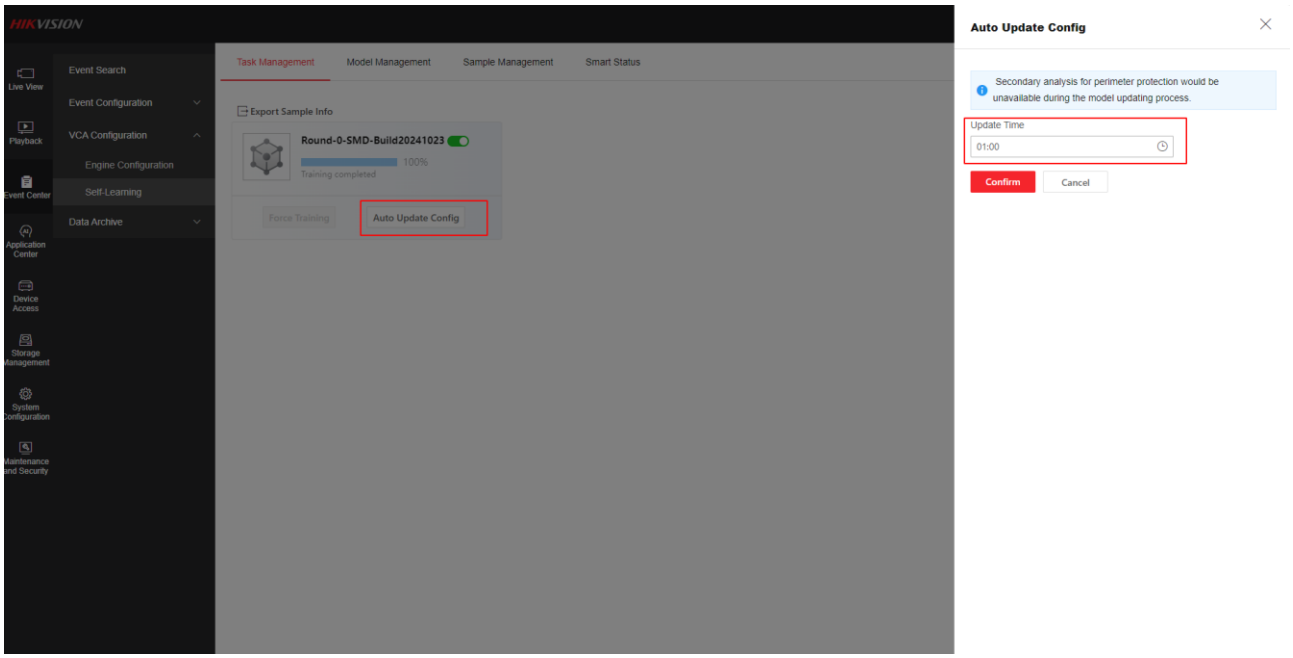
Training Completed

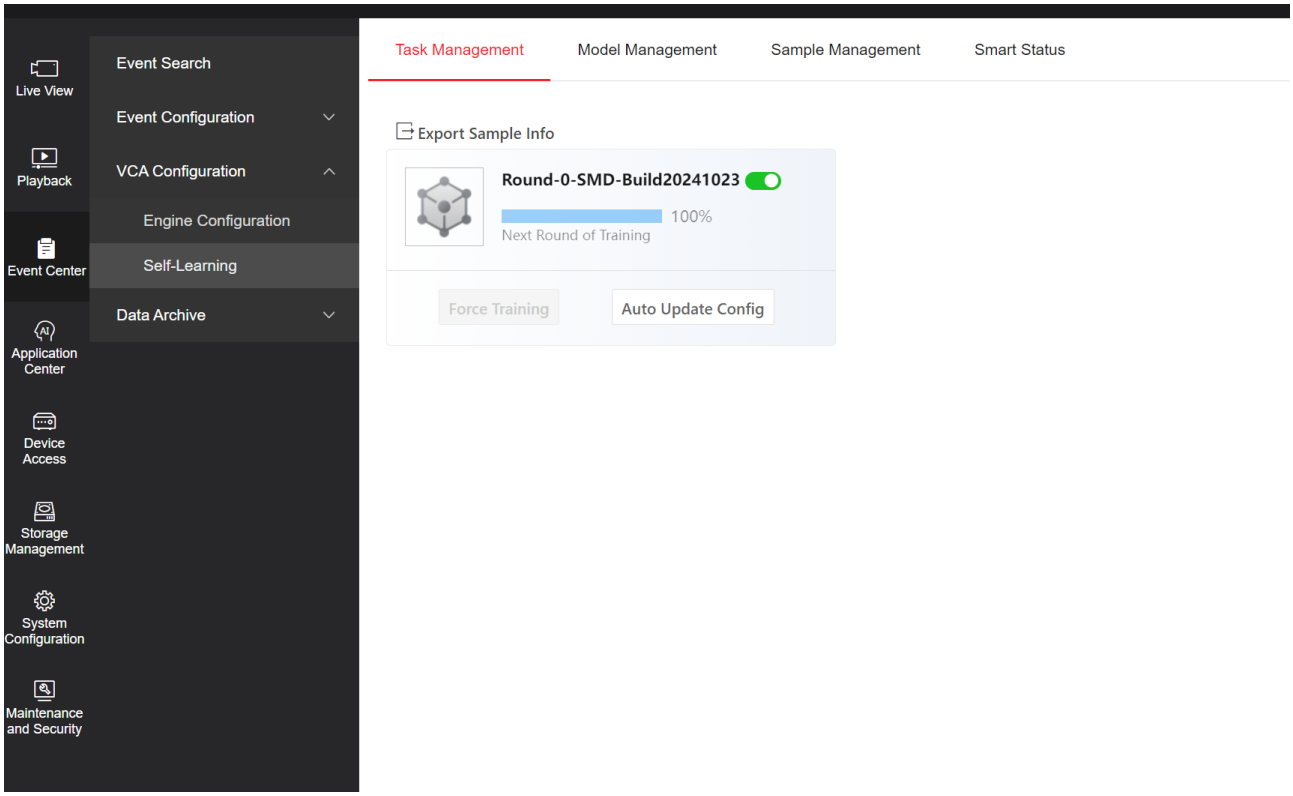




Step 4 : Loading Model

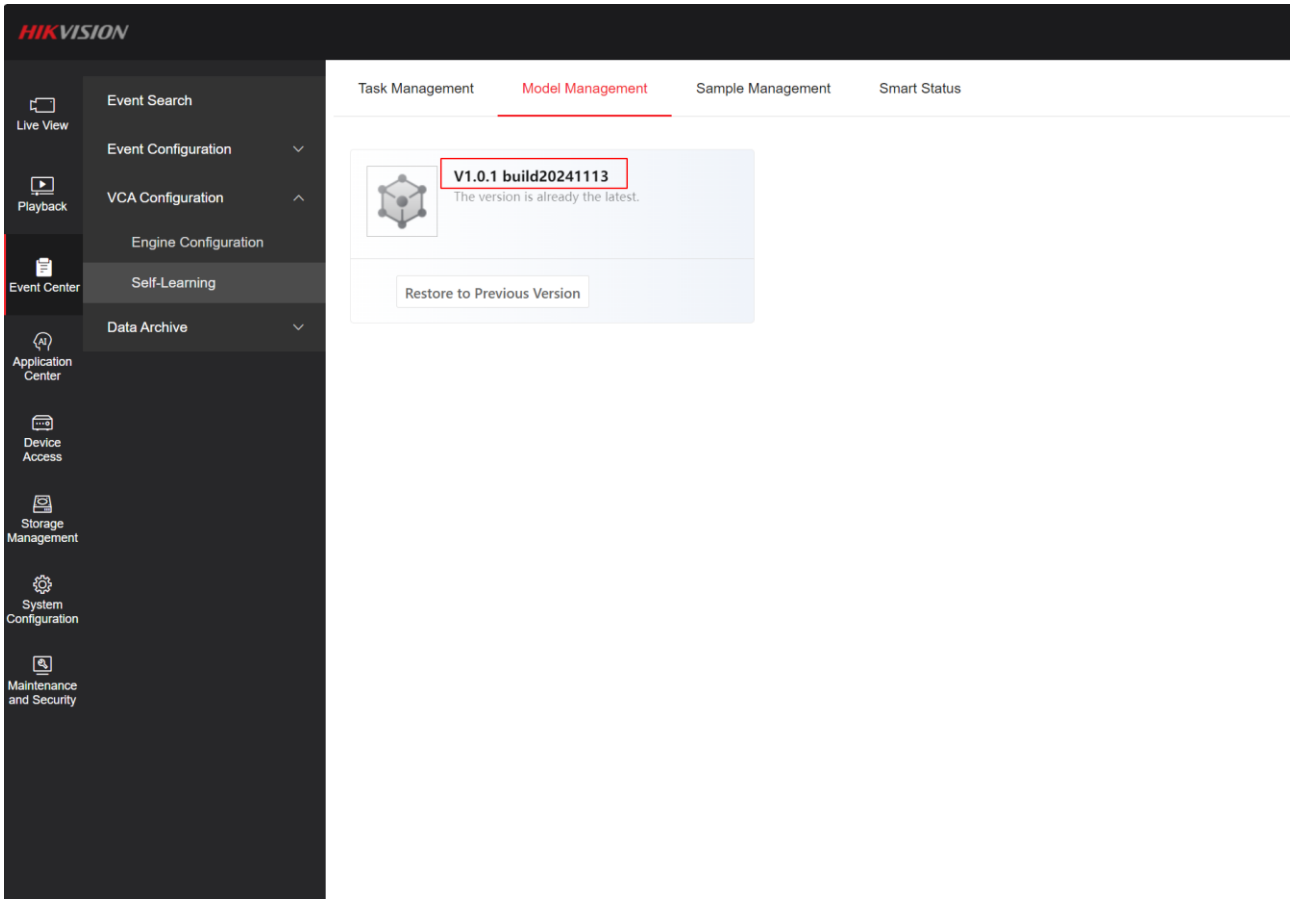
We can set the update time or update the model at 1:00 by default，At the same time the next model starts training





After training, the model is updated again, and the algorithm begins to collect samples（V1.0.0 to V1.0.1 to……）

The more iterations of the model, the more accurate the algorithm will be



See Far, Go Further