Smart Functions in 4K cameras

1. Perimeter Intrusion Detection (PID)

PID is used to secure the perimeter or open space. When the object is entering the zone which was previously marked, the system is making the alarm notifications. The object and its trajectory will be shown with the graphic image.

Switch – Switching the function to ON/OFF.
Sensitive – Detector's sensitivity 1-4.
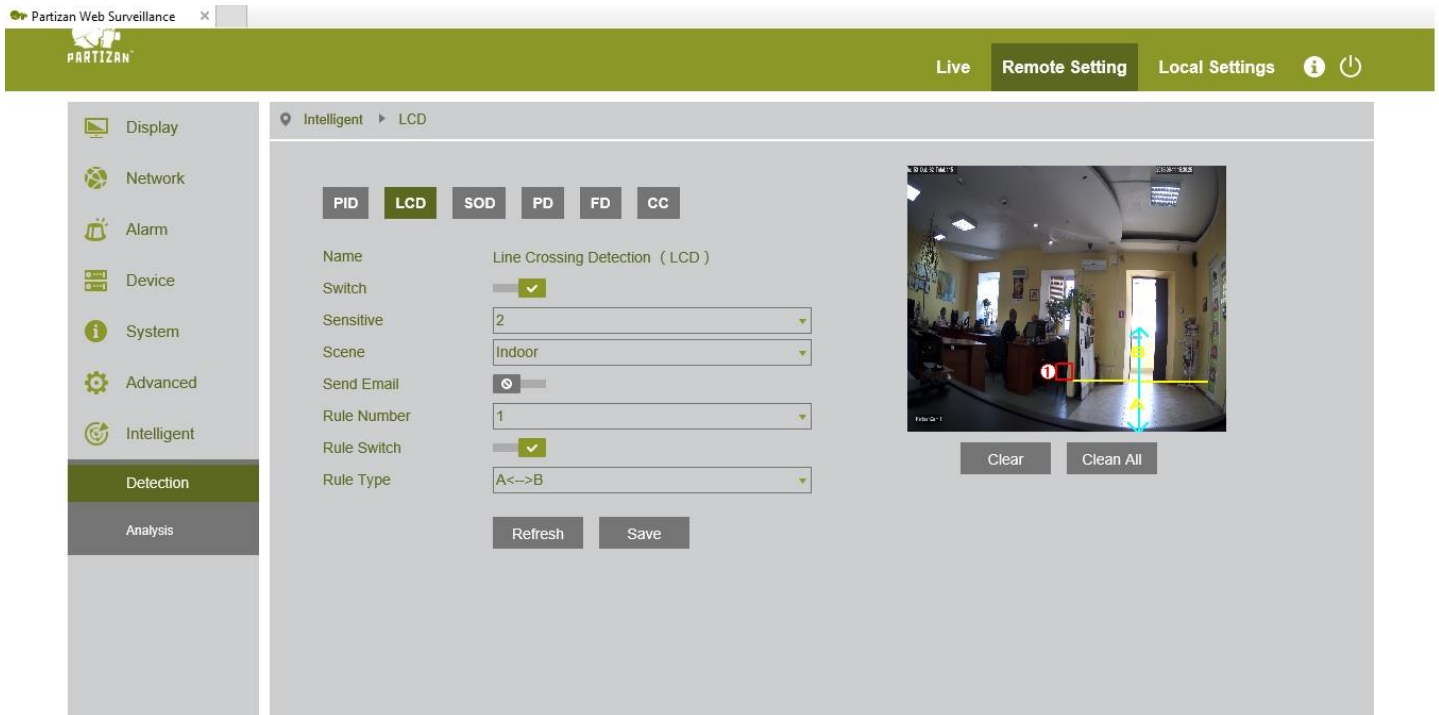Scene – Choosing the scene for the camera. Outdoor/Indoor.
Send Email – Sending alarm notifications by email ON/OFF.
Rule number – Setting the intrusion zone. You can set up to 4 of such zones.
Rule switch – Switching each of the zones ON/OFF.
Rule type – Setting the rule type if the zone is intruded. 3 rules are available: A -> B, B -> A, A <-> B.

2. Line Crossing Detection (LCD).

LCD is used to secure open spaces or spaces with limited access. When crossing the virtual line, the system is making the alarm notifications. The object and its trajectory will be shown with the graphic image.

Switch – Switching the function to ON/OFF.

Sensitive – Detector's sensitivity 1-4.

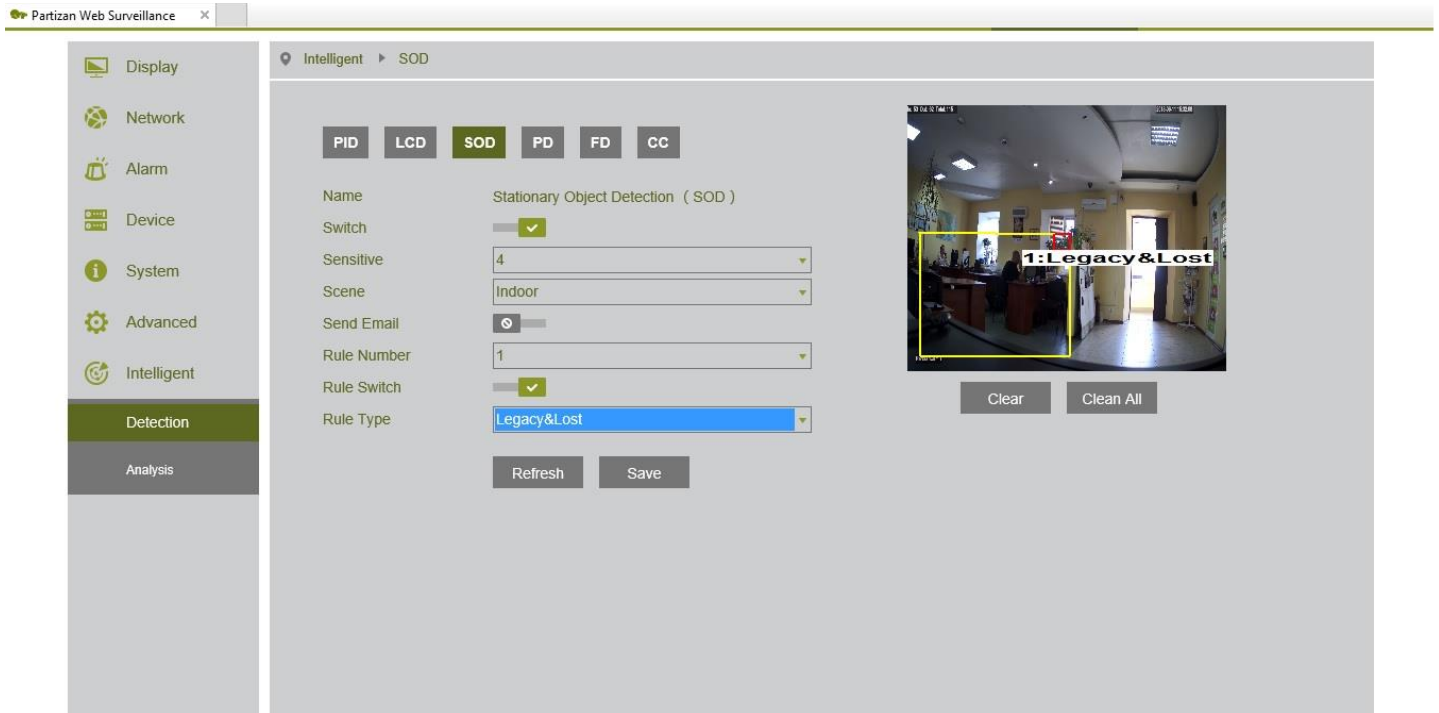Scene – Choosing the scene for the camera. Outdoor/Indoor.

Send Email – Sending alarm notifications by email ON/OFF.

Rule number – Setting the virtual crossing line. You can set up to 4 of such lines.

Rule switch – Switching each of the zones ON/OFF.

Rule type – Setting the rule type if the line is crossed. 3 rules are available: A -> B, B -> A, A <-> B.

3. Stationary Object Detection (SOD)

SOD is used for detecting if the static object appeared in or was removed from the marked zone. For example, for public places to prevent robbery or to detect the potentially dangerous objects. When detecting the system will send the alarm notifications and the object will be shown with the graphic image.

Switch – Switching the function to ON/OFF.
Sensitive – Detector's sensitivity 1-4.
Scene – Choosing the scene for the camera. Outdoor/Indoor.
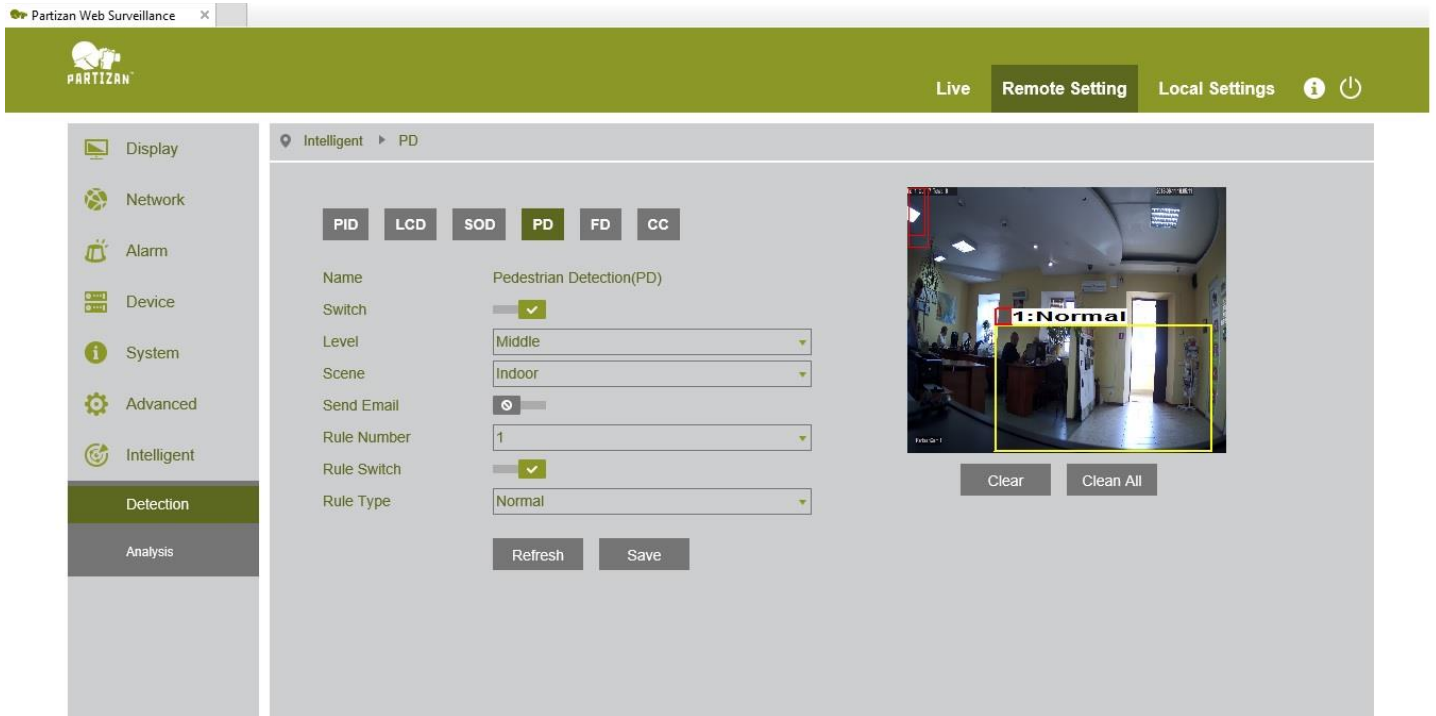Send Email – Sending alarm notifications by email ON/OFF.
Rule number – Setting the detection zone. You can set up to 4 of such zones.
Rule switch – Switching each of the zones ON/OFF
Rule type – Setting the rule for each zone. 3 rules available. Legacy – missing objects, Lost – object that has been left, Legacy&Lost – previous rules combined.

4. Pedestrian Detection (PD)

PD is used to detect the pedestrians in the traffic zones. Can be integrated to the "Safe City" systems. When detecting a pedestrian, the system will send an alarm notification and the object will be shown with graphic image.

Switch – Switching the function to ON/OFF.

Level – The size of the object to be detected: Small, Middle, Big.

Scene – Choosing the scene for the camera. Outdoor/Indoor.

Send Email - Sending alarm notifications by email. ON/OFF.

Rule number – Only one detecting zone.

Rule switch – Switching the zone to ON/OFF.

Rule type – Only one rule type to set.

5. Face Detection (FD)

FD is used to detect faces in the frame (not the Face Recognition) and for further basic search in the archive. When detecting, the system will send an alarm notification and the face will be shown with graphic image.

Switch – Switching the function to ON/OFF.
Level – The size of the face to be detected: Small, Middle, Big.
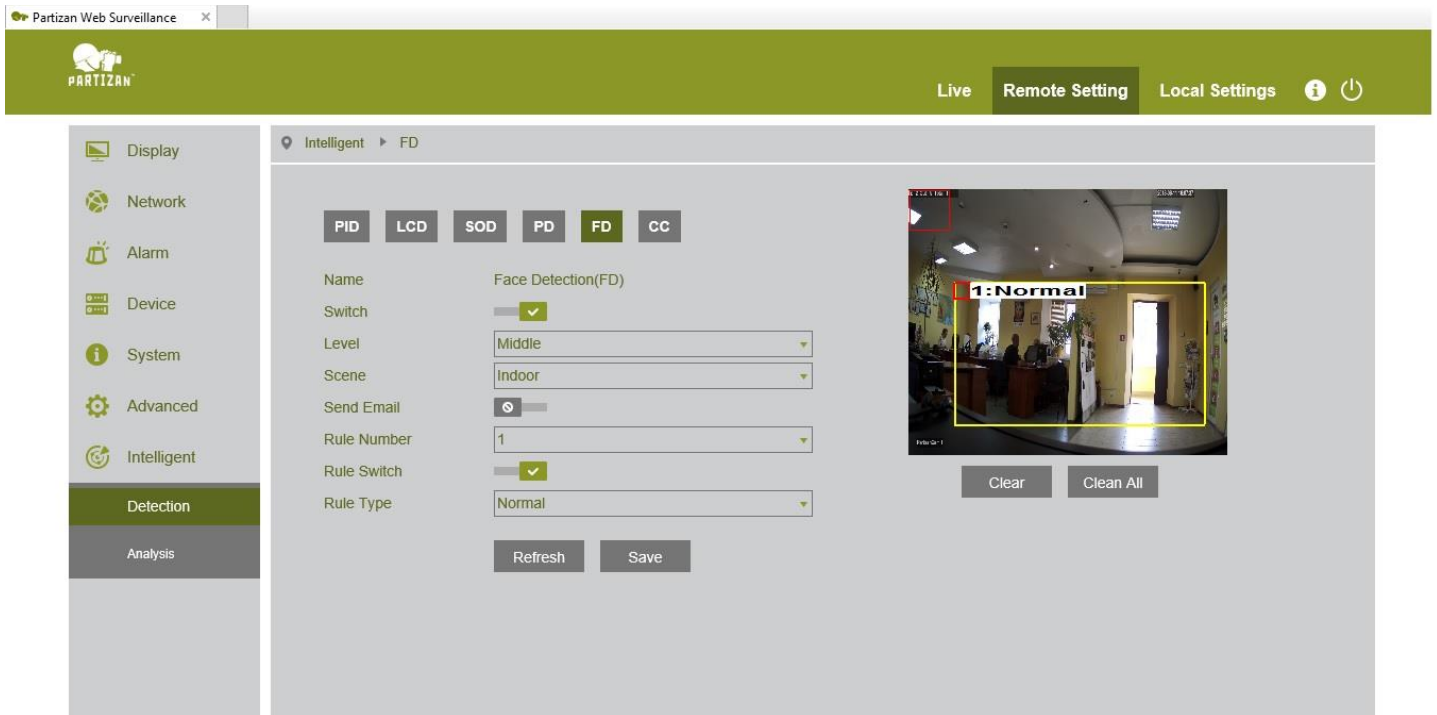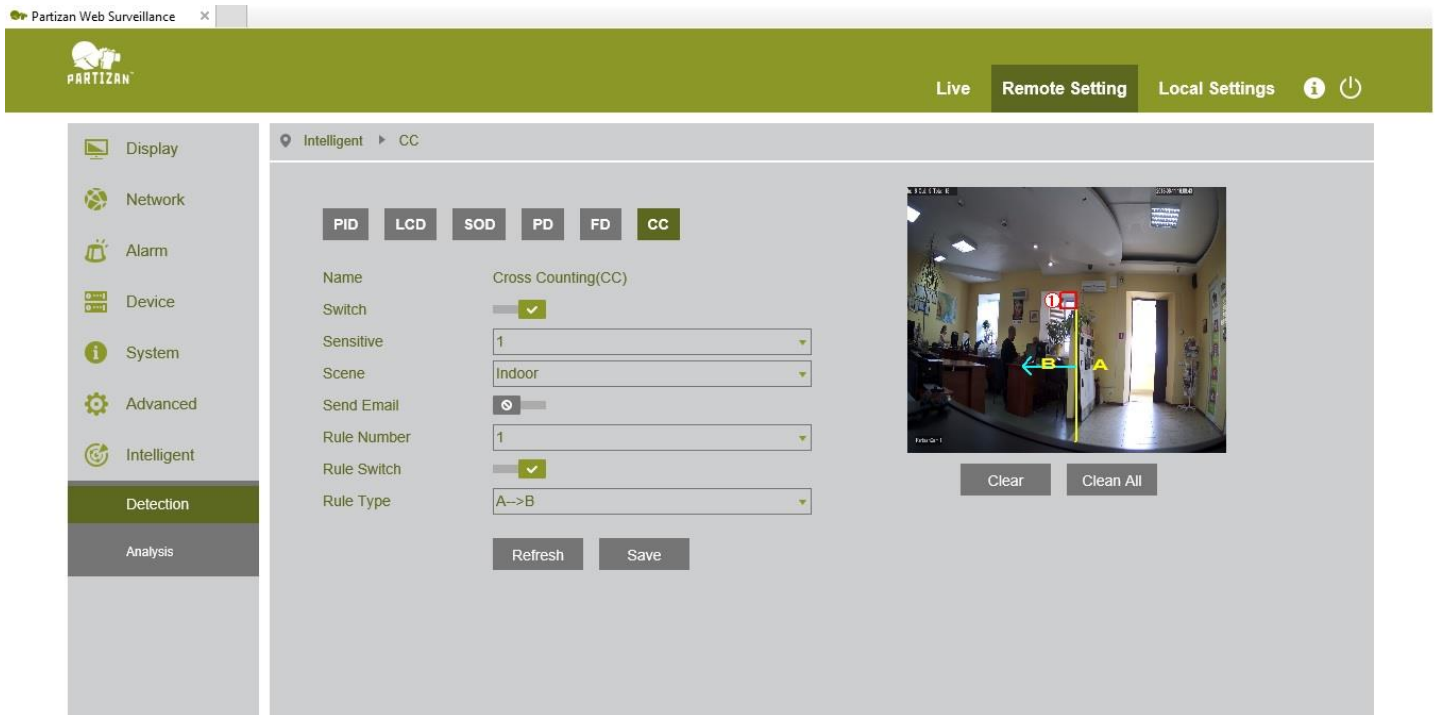Scene – Choosing the scene for the camera. Outdoor/Indoor.
Send Email - Sending alarm notifications by email. ON/OFF.
Rule number – Only one detecting zone.
Rule switch – Switching the zone to ON/OFF.
Rule type – Only one rule type to set.

6. Cross Counting (CC)

CC is used to calculate how many times the line has been crossed by the objects, For example, the rough calculation of the visitors in the mall or shop. When detecting, the system will send an alarm notification and the object will be shown with the graphic image. Number of crossings for enter (IN), exit (OUT), total amount (Total) will be shown by the counter in the left top corner of the frame.

Switch – Switching the function to ON/OFF.
Sensitive – Detector's sensitivity 1-4.
Level – The size of the object to be detected: Small, Middle, Big.
Scene – Choosing the scene for the camera. Outdoor/Indoor.
Send Email - Sending alarm notifications by email. ON/OFF.
Rule number – Only one line for making calculations.
Rule switch – Switching the line to ON/OFF.
Rule type – Rule type – Setting the rule type if the line is crossed. 3 rules are available: A ->B, B -> A, A <-> B.