GET MORE DETAIL IF AN ALARM IS TRIGGERED
In a large scene with lots of activity there is often the need for more detail from a certain area when an alarm is triggered. Intelligent Bosch cameras with built-in Video Analytics can direct a moving camera to an area where the Video Analytics alarm is triggered by a fixed camera. The moving camera can zoom in on the object of interest by automatically moving the camera to a predefined detection zone. With this, images with more detail are captured to identify or recognize the object. The object of interest can even be followed when it moves out of the field of view from the fixed camera by using a moving camera with Intelligent Tracking. The object can automatically be tracked so it doesn't get lost and more relevant data is captured.

- Get more detail to identify or recognize objects if an alarm is triggered
- Follow objects of interest by triggering Intelligent Tracking with a fixed camera
- Ensure large areas are covered and details are captured

HOW IT WORKS:

1. Install a fixed camera for an overview image
2. Define Video Analytics detection areas
3. Fixed camera with built-in Video Analytics triggers an alarm
4. Moving camera is directed to detection zone
5. More detail from object of interest is captured
6. With Intelligent Tracking the object can be tracked outside the field of view of the fixed camera

APPLICATION EXAMPLES:

- **Parking lot**
  - Identify objects of interest
- **Airport**
  - Cover large areas and track objects which are moving across the apron
- **Coastline / Harbors**
  - Get a close-up or start tracking a ship
- **Traffic**
  - Identify vehicles stopped on a highway or going in a wrong direction

**Supported moving cameras with built-in Video Analytics**

| Moving cameras with Intelligent Tracking (Intelligent Video Analytics) | AUTODOME IP starlight 7000 (30x zoom) |
| Fixed cameras with Intelligent Video Analytics | MIC IP starlight 7000i (30x zoom) |
| Support for Video Analytics | MIC IP fusion 9000i (30x zoom) |

**Supported fixed cameras with built-in Video Analytics**

| Fixed domes with Intelligent Video Analytics | FLEXIDOME IP starlight 7000 |
| Fixed cameras with Intelligent Video Analytics | DINION IP starlight 7000 |
| Fixed domes with Intelligent Video Analytics | DINION IP ultra 8000 MP (4K ultra HD) |
| Fixed domes with Intelligent Video Analytics | DINION IP thermal 8000 |
| Fixed cameras with Essential Video Analytics | FLEXIDOME IP 4000i and 5000i |
| Fixed cameras with Essential Video Analytics | FLEXIDOME IP starlight 6000 |
| Fixed domes with Essential Video Analytics | IP 3000i series |
| Fixed cameras with Essential Video Analytics | DINION IP 4000i, 5000i and 6000i IR |
| Fixed cameras with Essential Video Analytics | DINION IP starlight 6000 |
Position a Bosch camera with Video Analytics which covers the complete parking area.

Position a Bosch PTZ camera on a pole or rooftop so it can zoom in to areas where more detail is needed in case of an alarm.

How to configure:
► Create up to 8 individual Video Analytics detection zones throughout the scene.
► Create up to 8 individual presets (#10-17), each zoomed to an area sized appropriately to the above mentioned Video Analytics detection zones.
► Match each Video Analytics detection zone with the corresponding preset.
► Optional: Intelligent Tracking is activated automatically to help ensure the PTZ camera accurately follows the object which is triggered by Video Analytics.
► A script needs to be placed in the Alarm Task Editor page (in camera web browser) of the camera running the Video Analytics task(s) which is intended to trigger an adjacent PTZ to GOTO preset.
► The IP addresses in the script needs to match the IP address of the PTZ camera.

The script can be found on the next pages.

Tips
► Multiple fixed cameras may share the same PTZ camera. Example: Four cameras may cover a large area that is reachable by the same, single PTZ camera.
► There is a preconfigured timeout period of 5 minutes after which Intelligent Tracking will be turned off. This ensure that a camera will not continue tracking objects indefinitely. Instead, the camera will return to its home position or tour.
► High levels of scene activity might keep a PTZ camera moving from area to area. A fixed camera always maintains the full field of view to capture activity, even if the PTZ camera moves to another area. The goal with the PTZ camera is to capture identification level image quality of the object which triggered the analytics. Even a few seconds may be enough for this.
► The script can run on a schedule. E.g. during hours with expected low or high activity.
► Read other tips and tricks:
  ► Intelligent Tracking
  ► People counting
  ► Intrusion detection

Example: Large parking area

Bosch Building Technologies
www.boschsecurity.com
SCRIPT:

//GO TO PRESET 10
RCPCOMMAND PRESET10:=
{COMMAND("RCP.XML?COMMAND=0X09A5&TYPE=P_OCTET&DIRECTION=WRITE&PAYLOAD=0X80000001B080705B&NUM=1")
IP("10.40.50.70")};

//GO TO PRESET 11
RCPCOMMAND PRESET11:=
{COMMAND("RCP.XML?COMMAND=0X09A5&TYPE=P_OCTET&DIRECTION=WRITE&PAYLOAD=0X80000001B080705C&NUM=1")
IP("10.40.50.70")};

//GO TO PRESET 12
RCPCOMMAND PRESET12:=
{COMMAND("RCP.XML?COMMAND=0X09A5&TYPE=P_OCTET&DIRECTION=WRITE&PAYLOAD=0X80000001B080705D&NUM=1")
IP("10.40.50.70")};

//GO TO PRESET 13
RCPCOMMAND PRESET13:=
{COMMAND("RCP.XML?COMMAND=0X09A5&TYPE=P_OCTET&DIRECTION=WRITE&PAYLOAD=0X80000001B080705E&NUM=1")
IP("10.40.50.70")};

//GO TO PRESET 14
RCPCOMMAND PRESET14:=
{COMMAND("RCP.XML?COMMAND=0X09A5&TYPE=P_OCTET&DIRECTION=WRITE&PAYLOAD=0X80000001B0807060&NUM=1")
IP("10.40.50.70")};

//GO TO PRESET 15
RCPCOMMAND PRESET15:=
{COMMAND("RCP.XML?COMMAND=0X09A5&TYPE=P_OCTET&DIRECTION=WRITE&PAYLOAD=0X80000001B0807060F&NUM=1")
IP("10.40.50.70")};

//GO TO PRESET 16
RCPCOMMAND PRESET16:=
{COMMAND("RCP.XML?COMMAND=0X09A5&TYPE=P_OCTET&DIRECTION=WRITE&PAYLOAD=0X80000001B0807070&NUM=1")
IP("10.40.50.70")};

//GO TO PRESET 17
RCPCOMMAND PRESET17:=
{COMMAND("RCP.XML?COMMAND=0X09A5&TYPE=P_OCTET&DIRECTION=WRITE&PAYLOAD=0X80000001B0807071&NUM=1")
IP("10.40.50.70")};

//GO TO PRESET 18
RCPCOMMAND PRESET18:=
{COMMAND("RCP.XML?COMMAND=0X09A5&TYPE=P_OCTET&DIRECTION=WRITE&PAYLOAD=0X80000001B0807072&NUM=1")
IP("10.40.50.70")};

//GO TO PRESET 19
RCPCOMMAND PRESET19:=
{COMMAND("RCP.XML?COMMAND=0X09A5&TYPE=P_OCTET&DIRECTION=WRITE&PAYLOAD=0X80000001B0807073&NUM=1")
IP("10.40.50.70")};

//GO TO PRESET 20
RCPCOMMAND PRESET20:=
{COMMAND("RCP.XML?COMMAND=0X09A5&TYPE=P_OCTET&DIRECTION=WRITE&PAYLOAD=0X80000001B0807074&NUM=1")
IP("10.40.50.70")};

RCPCOMMAND STARTAUTOTRACKER :=
{COMMAND("RCP.XML?COMMAND=0X09A5&TYPE=P_OCTET&DIRECTION=WRITE&PAYLOAD=0X80000001B0807075&NUM=1")
IP("10.40.50.70")};

RCPCOMMAND STOPAUTOTRACKER :=
{COMMAND("RCP.XML?COMMAND=0X09A5&TYPE=P_OCTET&DIRECTION=WRITE&PAYLOAD=0X80000001B0807076&NUM=1")
IP("10.40.50.70")};
Video Analytics – Tips and tricks

//SET TEMPSTATE N FOR 5 MIN  10 = 1 SEC
TEMPSTATE(1) := {HIGH (3000)};
OPERATIONMODE MONOSTABLE1 := {HIGH (3000)};
TEMPSTATE(2) := {HIGH (3000)};
OPERATIONMODE MONOSTABLE2 := {HIGH (3000)};
TEMPSTATE(3) := {HIGH (3000)};
OPERATIONMODE MONOSTABLE3 := {HIGH (3000)};
TEMPSTATE(4) := {HIGH (3000)};
OPERATIONMODE MONOSTABLE4 := {HIGH (3000)};
TEMPSTATE(5) := {HIGH (3000)};
OPERATIONMODE MONOSTABLE5 := {HIGH (3000)};
TEMPSTATE(6) := {HIGH (3000)};
OPERATIONMODE MONOSTABLE6 := {HIGH (3000)};
TEMPSTATE(7) := {HIGH (3000)};
OPERATIONMODE MONOSTABLE7 := {HIGH (3000)};
TEMPSTATE(8) := {HIGH (3000)};
OPERATIONMODE MONOSTABLE8 := {HIGH (3000)};
TEMPSTATE(9) := {HIGH (3000)};
OPERATIONMODE MONOSTABLE9 := {HIGH (3000)};
TEMPSTATE(10) := {HIGH (3000)};
OPERATIONMODE MONOSTABLE10 := {HIGH (3000)};
TEMPSTATE(11) := {HIGH (3000)};
OPERATIONMODE MONOSTABLE11 := {HIGH (3000)};
OPERATIONMODE MONOSTABLE12 := {HIGH (3000)};
TEMPSTATE(12) := {HIGH (3000)};
OPERATIONMODE MONOSTABLE13 := {HIGH (3000)};
TEMPSTATE(13) := MONOSTABLE1;
OPERATIONMODE MONOSTABLE14 := {HIGH (3000)};
TEMPSTATE(14) := MONOSTABLE2;
OPERATIONMODE MONOSTABLE15 := {HIGH (3000)};
TEMPSTATE(15) := MONOSTABLE3;
OPERATIONMODE MONOSTABLE16 := {HIGH (3000)};
TEMPSTATE(16) := MONOSTABLE4;
OPERATIONMODE MONOSTABLE17 := {HIGH (3000)};
TEMPSTATE(17) := MONOSTABLE5;
OPERATIONMODE MONOSTABLE18 := {HIGH (3000)};
TEMPSTATE(18) := MONOSTABLE6;
OPERATIONMODE MONOSTABLE19 := {HIGH (3000)};
TEMPSTATE(19) := MONOSTABLE7;
OPERATIONMODE MONOSTABLE20 := {HIGH (3000)};
TEMPSTATE(20) := MONOSTABLE8;
OPERATIONMODE MONOSTABLE21 := {HIGH (3000)};
TEMPSTATE(21) := MONOSTABLE9;
OPERATIONMODE MONOSTABLE22 := {HIGH (3000)};
TEMPSTATE(22) := MONOSTABLE10;
OPERATIONMODE MONOSTABLE23 := {HIGH (3000)};
TEMPSTATE(23) := MONOSTABLE11;
OPERATIONMODE MONOSTABLE24 := {HIGH (3000)};
TEMPSTATE(24) := MONOSTABLE12;
OPERATIONMODE MONOSTABLE25 := {HIGH (3000)};
TEMPSTATE(25) := MONOSTABLE13;
OPERATIONMODE MONOSTABLE26 := {HIGH (3000)};
TEMPSTATE(26) := MONOSTABLE14;
OPERATIONMODE MONOSTABLE27 := {HIGH (3000)};
TEMPSTATE(27) := MONOSTABLE15;
OPERATIONMODE MONOSTABLE28 := {HIGH (3000)};
TEMPSTATE(28) := MONOSTABLE16;
OPERATIONMODE MONOSTABLE29 := {HIGH (3000)};
TEMPSTATE(29) := MONOSTABLE17;
OPERATIONMODE MONOSTABLE30 := {HIGH (3000)};
TEMPSTATE(30) := MONOSTABLE18;
OPERATIONMODE MONOSTABLE31 := {HIGH (3000)};
TEMPSTATE(31) := STOP(MONOSTABLE1);
OPERATIONMODE MONOSTABLE32 := {HIGH (3000)};
TEMPSTATE(32) := MONOSTABLE1;
OPERATIONMODE MONOSTABLE33 := {HIGH (3000)};
TEMPSTATE(33) := STOP(MONOSTABLE2);
OPERATIONMODE MONOSTABLE34 := {HIGH (3000)};
TEMPSTATE(34) := MONOSTABLE1;
OPERATIONMODE MONOSTABLE35 := {HIGH (3000)};
TEMPSTATE(35) := STOP(MONOSTABLE3);
OPERATIONMODE MONOSTABLE36 := {HIGH (3000)};
TEMPSTATE(36) := MONOSTABLE1;
OPERATIONMODE MONOSTABLE37 := {HIGH (3000)};
TEMPSTATE(37) := STOP(MONOSTABLE4);
OPERATIONMODE MONOSTABLE38 := {HIGH (3000)};
TEMPSTATE(38) := MONOSTABLE1;
OPERATIONMODE MONOSTABLE39 := {HIGH (3000)};
TEMPSTATE(39) := STOP(MONOSTABLE5);
OPERATIONMODE MONOSTABLE40 := {HIGH (3000)};
TEMPSTATE(40) := MONOSTABLE1;
OPERATIONMODE MONOSTABLE41 := {HIGH (3000)};
TEMPSTATE(41) := STOP(MONOSTABLE6);
OPERATIONMODE MONOSTABLE42 := {HIGH (3000)};
TEMPSTATE(42) := MONOSTABLE1;
OPERATIONMODE MONOSTABLE43 := {HIGH (3000)};
TEMPSTATE(43) := STOP(MONOSTABLE7);
OPERATIONMODE MONOSTABLE44 := {HIGH (3000)};
TEMPSTATE(44) := MONOSTABLE1;
OPERATIONMODE MONOSTABLE45 := {HIGH (3000)};
TEMPSTATE(45) := STOP(MONOSTABLE8);
OPERATIONMODE MONOSTABLE46 := {HIGH (3000)};
TEMPSTATE(46) := MONOSTABLE1;
OPERATIONMODE MONOSTABLE47 := {HIGH (3000)};
TEMPSTATE(47) := STOP(MONOSTABLE9);
OPERATIONMODE MONOSTABLE48 := {HIGH (3000)};
TEMPSTATE(48) := MONOSTABLE1;
OPERATIONMODE MONOSTABLE49 := {HIGH (3000)};
TEMPSTATE(49) := STOP(MONOSTABLE10);
OPERATIONMODE MONOSTABLE50 := {HIGH (3000)};
TEMPSTATE(50) := MONOSTABLE1;
OPERATIONMODE MONOSTABLE51 := {HIGH (3000)};
TEMPSTATE(51) := STOP(MONOSTABLE11);
OPERATIONMODE MONOSTABLE52 := {HIGH (3000)};
TEMPSTATE(52) := MONOSTABLE1;
OPERATIONMODE MONOSTABLE53 := {HIGH (3000)};
TEMPSTATE(53) := STOP(MONOSTABLE12);
OPERATIONMODE MONOSTABLE54 := {HIGH (3000)};
TEMPSTATE(54) := MONOSTABLE1;
OPERATIONMODE MONOSTABLE55 := {HIGH (3000)};
TEMPSTATE(55) := STOP(MONOSTABLE13);
OPERATIONMODE MONOSTABLE56 := {HIGH (3000)};
TEMPSTATE(56) := MONOSTABLE1;
OPERATIONMODE MONOSTABLE57 := {HIGH (3000)};
TEMPSTATE(57) := STOP(MONOSTABLE14);
OPERATIONMODE MONOSTABLE58 := {HIGH (3000)};
TEMPSTATE(58) := MONOSTABLE1;
OPERATIONMODE MONOSTABLE59 := {HIGH (3000)};
TEMPSTATE(59) := STOP(MONOSTABLE15);
OPERATIONMODE MONOSTABLE60 := {HIGH (3000)};
TEMPSTATE(60) := MONOSTABLE1;
OPERATIONMODE MONOSTABLE61 := {HIGH (3000)};
TEMPSTATE(61) := STOP(MONOSTABLE16);
OPERATIONMODE MONOSTABLE62 := {HIGH (3000)};
TEMPSTATE(62) := MONOSTABLE1;
OPERATIONMODE MONOSTABLE63 := {HIGH (3000)};
TEMPSTATE(63) := STOP(MONOSTABLE17);
OPERATIONMODE MONOSTABLE64 := {HIGH (3000)};
TEMPSTATE(64) := MONOSTABLE1;
OPERATIONMODE MONOSTABLE65 := {HIGH (3000)};
TEMPSTATE(65) := STOP(MONOSTABLE18);
OPERATIONMODE MONOSTABLE66 := {HIGH (3000)};
TEMPSTATE(66) := MONOSTABLE1;
OPERATIONMODE MONOSTABLE67 := {HIGH (3000)};
TEMPSTATE(67) := STOP(MONOSTABLE19);
OPERATIONMODE MONOSTABLE68 := {HIGH (3000)};
TEMPSTATE(68) := MONOSTABLE1;
OPERATIONMODE MONOSTABLE69 := {HIGH (3000)};
TEMPSTATE(69) := STOP(MONOSTABLE20);
OPERATIONMODE MONOSTABLE70 := {HIGH (3000)};
TEMPSTATE(70) := MONOSTABLE1;}