



Analytic Video Tracker
For Axis Network Cameras
VAPIX How-to

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VAPIX REQUESTS

Getting a collection of moving objects and attended / unattended objects

Script to call: <http://<cameraIP>/local/avt/analyze.cgi>

If the response message is empty, there are no objects on the corresponding frame.

Response message structure:

($x_0, y_0, w_0, h_0, id_0, type_0, count_0$: ... # $x_u0, y_u0, w_u0, h_u0, id_u0, type_u0, count_u0$: ...).

x – X coordinate of object's center of mass (measured in percent of frame width [0..100]).

y – Y coordinate of object's center of mass (measured in percent of frame height [0..100]).

w – object width (measured in percent of frame width [0..100]).

h – object height (measured in percent of frame height [0..100]).

id – object ID.

type – object type («Unknown» (type = -1), «Other» (type = 0), «Human» (type = 1), «Car» (type = 2), «Noise» (type = 3), «New object» (type = 4), «Missing object» (type = 5)).

count – used only for the type "Human" (ObjType == 1) and defines number of human in the group.

: – objects separator.

– collection of moving and unattended objects separator (if this symbol is not present, the collection of unattended objects is empty).

Getting regions of interest

Script to call: http://< cameraIP >/local/avt/get_areas.cgi

If the response message is empty the entire frame is processed.

Response message structure: (x_0, y_0 : ...; x_n, y_n : ...)

x – X coordinate of region point (measured in frame width share [0..1]).

y – X coordinate of region point (measured in frame height share [0..1]).

: – region points' separator.

; – regions separator.

Getting current frame resolution

http://<cameraIP>/local/avt/get_resolution.cgi

Response message structure: <width>x<height>.

<width> – frame width.

<height> – frame height.

Getting tracker parameters

<http://<cameraIP>/axis-cgi/param.cgi?action=list&group=Avt>

Setting regions of interest

http://<cameraIP>/local/avt/set_areas.cgi

The requested structure is:

resolution=<width>x<height>,

&value=(x0,y0: ...; xn,yn: ...),

x – X coordinate of region point (measured in frame width share [0..1]).

y – X coordinate of region point (measured in frame height share [0..1]).

: – region points' separator.

; – regions separator.

Setting new parameter value

<http://<cameraIP>/axis-cgi/param.cgi?action=update&Avt.<name>=<value>>

<name> – parameter name.

<value> – parameter value.

CONTACT US



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