To insert Smart Crossing into Milestone XProtect :

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Image: Site Navigation ● ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ Site Navigation ● ♥ ★ ♥ ♥ Image: Output ● ♥ ○ Output ● ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ Image: Output ● ♥ ○ Output ● ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥	Video Processing Service Create VPS streams from existing source cameras by filling in parameters, then clicking "Create" - Each stream will have its own new "VPS camera", which shows up as any other camera. - The metadata from each VPS camera will be set as "related metadata" for each source camera. - The metadata from each VPS camera will be set as "related metadata" for each source camera. - Each stream needs a VPS Service to execute on. Source camera or group:* Canon VB-S900F (10.100.55.117) - Camera 1 VPS Service URL:* http://localhost.5000/gstreamer/pipelines/vpsboundingboxes	 - 4
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- 1. Open the Management Client as a user with sufficient rights to add and manage hardware, e.g. a user with the Administrators role.
- 2. In the Site Navigation pane, select Video Processing Service.
- 3. Choose a source camera (or an entire camera group).
- 4. Provide an URL for the VP Service in the "VPS Service URL" field. The URL takes the following form

http://<hostname:port>/gstreamer/pipelines/<plugin>

By default, VP Service is listening on port 5000.

On the case of Smart Crossing, this will be : http://ip_linux_machine:5000/gstreamer/pipelines/vpsdeepstream

Replace « ip_linux_machine » with the Smart Crossing ip address (shown on its OLED screen once connected to the network).

The last part of the URL is the name of the GStreamer plugin to launch. So, if set to e.g. vpspasstru, the *VP Service* will attempt to load and launch the plugin with filename <u>libgstvpspasstru.so</u> if on Linux and gstvpspasstru.dll if on Windows.

5. Click the *Create* button to add a new VPS hardware that will take the video feeds from the specified cameras and forward them to the specified *VP Service*. Each VPS hardware will have two devices

associated with it: a camera device and a metadata device that will expose video and metadata respectively returned from the *VP Service*.

