



Manual For Milestone PTZ Service



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Pre-requisite:

- Viewscape.
- Settings Editor.
- Milestone PTZ Service.
- Milestone Client Details.

Milestone PTZ Service

- Copy the Veracity.MilestonePTZ folder to the desired machine for relaying the PTZ, preferably the same machine as ProServer
- Open Veracity.MilestonePTZ.exe.config and fill in the necessary details
- Default port is 51052 for the service
- Refer to the image below.



```
Veracity.MilestonePTZ.exe - Notepad
File Edit Format View Help
<?xml version="1.0" encoding="utf-8"?>
<configuration>
  <configSections>
    <sectionGroup name="userSettings" type="System.Configuration.Use
    <section name="Veracity.MilestonePTZ.Properties.Settings" type
    PublicKeyToken=b77a5c561934e089" allowExeDefinition="MachineToLocalU
    </sectionGroup>
  </configSections>
  <startup>
    <supportedRuntime version="v4.0" sku=".NETFramework,Version=v4.7
  </startup>
  <userSettings>
    <Veracity.MilestonePTZ.Properties.Settings>
      <setting name="Endpoint" serializeAs="String">
        <value>127.0.0.1</value>
      </setting>
      <setting name="Port" serializeAs="String">
        <value>51052</value>
      </setting>
      <setting name="MilestoneServer" serializeAs="String">
        <value>@10.192.0.177</value>
      </setting>
      <setting name="MilestoneUser" serializeAs="String">
        <value>DESKTOP-7UH11SF\WIND - Kamal</value>
      </setting>
      <setting name="MilestonePassword" serializeAs="String">
        <value>Veracity@321</value>
      </setting>
      <setting name="ServiceTest" serializeAs="String">
        <value>False</value>
      </setting>
      <setting name="ResetPTZOnCamSwitch" serializeAs="String">
        <value>False</value>
      </setting>
      <setting name="LogPath" serializeAs="String">
        <value />
      </setting>
    </Veracity.MilestonePTZ.Properties.Settings>
  </userSettings>
</configuration>
```

- For the Absolute PTZ, you need to add the CVS file in the same folder
- In the CSV File the camera name should be like the **channel name** when setting up in Milestone Viewscope.
- CSV file name is **MilestonePreset**
- Refer to the image below for CSV file

```
Pan,Tilt,Zoom,Camera Name,Model,Preset Name,Min PAN,Max PAN,T PAN,Min Tilt,Max Tilt,T Tilt,Min Zoom,Max Zoom,T Zoom
326,26,0,HikVision,HikVision,1,0,360,0,0,90,0,0,360,0
140,26,0,HikVision,HikVision,2,0,360,0,0,90,0,0,360,0
220,45,10,HikVision,HikVision,3,0,360,0,0,90,0,0,360,0
326,26,0,HikVision,HikVision,4,0,360,0,0,90,0,0,360,0
140,26,0,HikVision,HikVision,5,0,360,0,0,90,0,0,360,0
220,45,10,HikVision,HikVision,6,0,360,0,0,90,0,0,360,0
94.85,-49.71,1,JSR-Z1-56-ORG-GORC EXTERNAL PMT - Camera 1,Pelco ES5230,1036,0,360,0,0,90,0,0,360,0
72.42,-20.51,2,JSR-Z1-56-ORG-GORC EXTERNAL PMT - Camera 1,Pelco ES5230,1035,0,360,0,-83,34,0,1,360,0
68.71,-12.81,2,JSR-Z1-56-ORG-GORC EXTERNAL PMT - Camera 1,Pelco ES5230,1034,0,360,0,-83,34,0,1,360,0
68.71,-12.81,2,JSR-Z1-56-ORG-GORC EXTERNAL PMT - Camera 1,Pelco ES5230,1033,0,360,0,-83,34,0,1,360,0
72.14,-9.96,2,96,JSR-Z1-56-ORG-GORC EXTERNAL PMT - Camera 1,Pelco ES5230,1032,0,360,0,-83,34,0,1,360,0
69.44,-5.78,10,68,JSR-Z1-56-ORG-GORC EXTERNAL PMT - Camera 1,Pelco ES5230,1031,0,360,0,-83,34,0,1,360,0
69.44,-5.78,10,68,JSR-Z1-56-ORG-GORC EXTERNAL PMT - Camera 1,Pelco ES5230,1030,0,360,0,-83,34,0,1,360,0
340.9,-11.35,3,37,JSR-Z1-52-TEG-PIGEON GATE PMT VIEW - Camera 1,Pelco ES5230,1020,0,360,0,-83,34,0,1,360,0
340.9,-11.35,3,37,JSR-Z1-52-TEG-PIGEON GATE PMT VIEW - Camera 1,Pelco ES5230,1019,0,360,0,-83,34,0,1,360,0
336.33,-19.77,1,66,JSR-Z1-52-TEG-PIGEON GATE PMT VIEW - Camera 1,Pelco ES5230,1018,0,360,0,-83,34,0,1,360,0
309.63,-40.95,1,JSR-Z1-52-TEG-PIGEON GATE PMT VIEW - Camera 1,Pelco ES5230,1017,0,360,0,-83,34,0,1,360,0
309.63,-40.95,1,JSR-Z1-52-TEG-PIGEON GATE PMT VIEW - Camera 1,Pelco ES5230,1016,0,360,0,-83,34,0,1,360,0
348.94,-6.29,2,35,JSR-Z1-50-TEG-ITS Parking - Camera 1,Pelco ES5230,1015,0,360,0,-83,34,0,1,360,0
348.94,-6.29,2,35,JSR-Z1-50-TEG-ITS Parking - Camera 1,Pelco ES5230,1014,0,360,0,-83,34,0,1,360,0
348.94,-6.29,2,35,JSR-Z1-50-TEG-ITS Parking - Camera 1,Pelco ES5230,1013,0,360,0,-83,34,0,1,360,0
```

My Setting Editor

- Open my setting editor and in the pro server tab, search for Milestone PTZ Server Target.
- In the Value put the Pro Server IP along with it put the port you have used in the Milestone PTZ config.
- Like 127.0.0.1:51052

Client	Setting	Value
[SHARED]	MilestonePTZServerTarget	127.0.0.1:51052

Viewscape

- Now run Pro Server.
- Run the Milestone PTZ service as administrator.
- Open Surface controller.
- Open the Viewscape.
- Open the service and check if the connection is established.
- **If the connection is not established, just restart the pro server(Do not restart the service)**
- If the Connection is established, it will create a new PTZ Instance on the service console.
- Refer to the image below.

```
[VSMilestone] [I] Milestone SDK initialized
[VSMilestone] [I] Connecting to Milestone @10.192.0.177...
[VSMilestone] [I] Connecting to @10.192.0.177...
[VSMilestone] [I] Connected
[VSMilestone] [I] Connected to Milestone
[MCPService] [I] Initiating service on 127.0.0.1:51052...
[MCPService] [I] Initiated service on 127.0.0.1:51052
[MCPService] [I] Starting service...
[MCPService] [I] Started service
[General] [I] Service started
The VeracityMilestonePTZService service is now running, press Control+C to exit.
[MCPService] [I] ClosePTZInstance testconnectioninstanceid9812
[VSMilestone] [I] Removing ptz instance testconnectioninstanceid9812
[MCPService] [I] CreateNewPTZInstance
[PTZInstance1] [I] New instance
[VSMilestone] [I] Generate new ptz instance 1
[MCPService] [I] SelectCamera 1,'HikVision'
[PTZInstance1] [I] Trying to find camera with name: HikVision
[PTZInstance1] [I] Selected channel 'HikVision'
[MCPService] [I] SelectCamera 1,''
[PTZInstance1] [I] Reset channel
[MCPService] [I] SelectCamera 1,'HikVision'
[PTZInstance1] [I] Trying to find camera with name: HikVision
[PTZInstance1] [I] Selected channel 'HikVision'
[MCPService] [I] SelectCamera 1,''
[PTZInstance1] [I] Reset channel
[MCPService] [I] SelectCamera 1,'HikVision'
[PTZInstance1] [I] Trying to find camera with name: HikVision
[PTZInstance1] [I] Selected channel 'HikVision'
```

- **If all the above process is done correctly the PTZ will be working with both the PTZ controls as well as the Absolute PTZ.**
- When we run the Milestone PTZ exe, we can see all the commands running in the service command prompt, **do not click on the service command prompt. It can break the connection.**