



## **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\VIND - 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 Viewscape.
  - 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				
148	26	0	HikVision	HikVision	2,0	360	0,0	90	0,0	360	0				
228	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				
148	26	0	HikVision	HikVision	5,0	360	0,0	90	0,0	360	0				
228	45	10	HikVision	HikVision	6,0	360	0,0	90	0,0	360	0				
94	85	-49	71	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	16,68	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	16,68	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	2,25	JSR-Z1-50-TEG-ITS	Parking	- Camera 1,Pelco	ES5230,1015,0	360,0,-83	34,0,1	360,0				
348	94	-6	29	2,25	JSR-Z1-50-TEG-ITS	Parking	- Camera 1,Pelco	ES5230,1014,0	360,0,-83	34,0,1	360,0				
349	94	-6	29	2,25	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] Initng service on 127.0.0.1:51052...
[MCPService] [I] Initited 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.**