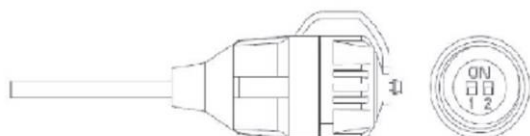# OPTIO: How to access OPA menu & adjust lens via VIPER HDA DVR's & Encoders

INTRODUCTION

The Optio range of HDA cameras support four different video formats (AHD / TVI / CVI / CVBS).

The VIPER HDA Recorders/Encoder support both AHD & TVI high definition video formats along with CVBS.

We recommend setting the Optio HDA camera and the VIPER HDA Recorder/Encoder to TVI for best results.

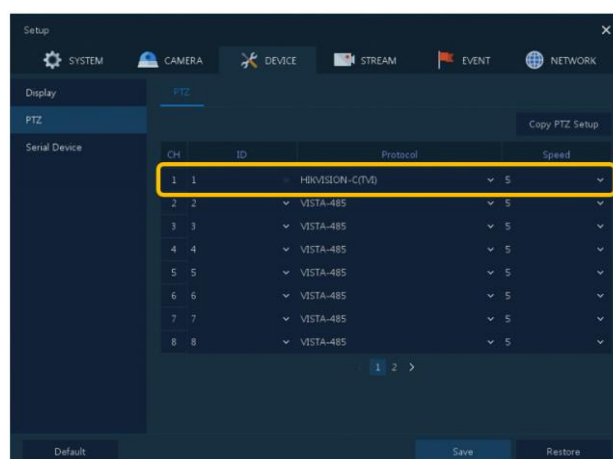| Switch1	Switch2	Output Mode
OFF	OFF	CVI
ON	ON	CVBS
ON	OFF	AHD
OFF	ON	TVI

Fig 1

Fig 2

PROCEDURE

First select TVI video for the OPA camera by setting [switch 1] = OFF and [switch 2] = ON *(Fig 1)*.

The camera will now reboot into TVI video mode.

Next enter the VIPER DVR setup menu and go to DEVICE > PTZ and set the protocol to HIKVISION-C(TVI) *(Fig 2)* on all relevant channels.
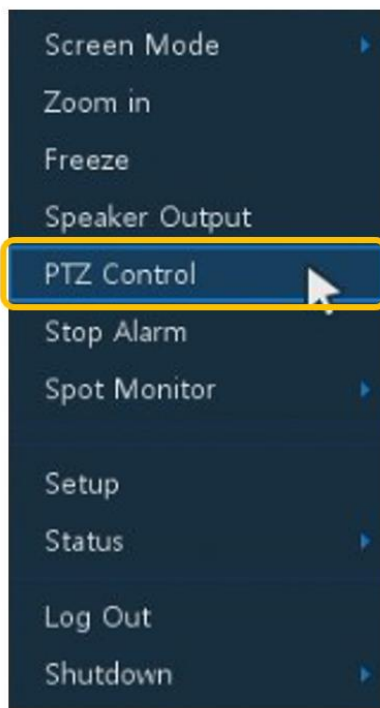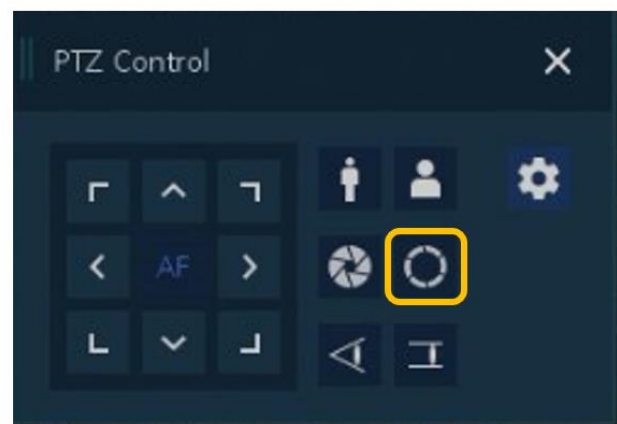

Fig 4

Fig 3

Once the OPA camera and VIPER recorder are set for TVI we can start controlling the lens and make changes in the camera menu.

Next select [PTZ Control] from the VIPER "right click" menu *(Fig 3)*. The PTZ Control interface will appear in front of the video to allow you to see the effect of the changes made.

Use the Zoom & Focus buttons on the PTZ Control interface to adjust the cameras lens * viewing angle and fine-tune the focal point.

 = Zoom Out & Zoom In

 = Focus Far & Focus Near

*Only applicable for varifocal camera options.

NOTE: IRIS OPEN **= MENU**

To access the OPA camera menu click the [IRIS OPEN] ⊙ button on the PTZ control interface. *(Fig 4)*

This will display the camera menu and can be controlled by clicking the UP & DOWN arrows or moving the cross hatch UP or DOWN *(Fig 5)*.
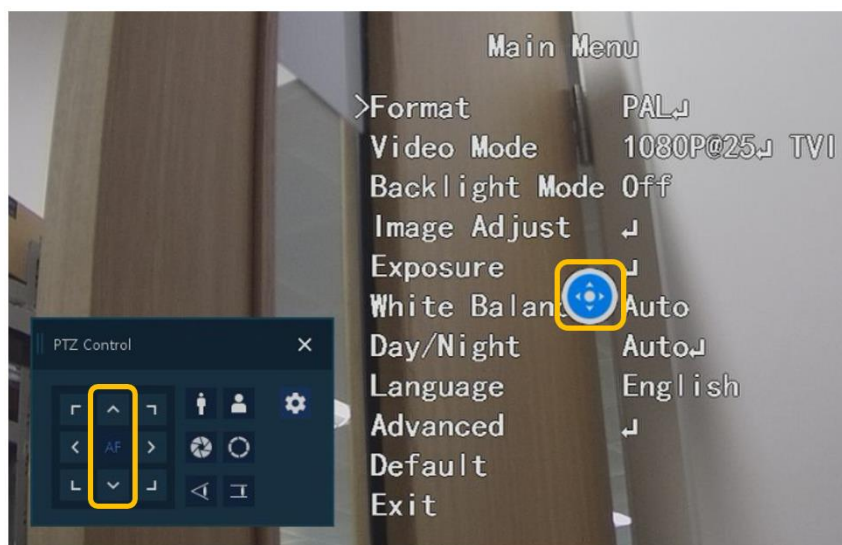

Fig 5

To confirm and save any changes in the camera menu press [IRIS OPEN] ⊙ and select "save" to exit.

This concludes the procedure.