

A Guide for Decoder ONVIF PTZ

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Document info

Version	date	author	Comments
1.0	20-Sep-19	David M	First release with V4.909B02

1. Introduction

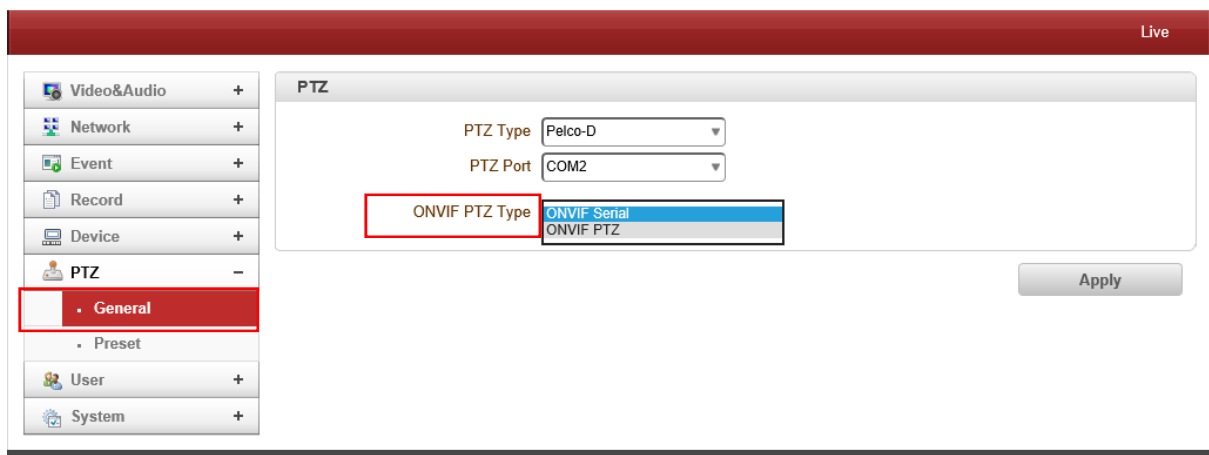
This document describes how to use ONVIF PTZ functions when the ANT-36000 decoder is connected to multiple encoders or cameras via ONVIF and external PTZ keyboard is used.

The code "V4.909B02_T913" can be found

<https://www.dropbox.com/s/aazc8320x39vg3y/ANT36000.V4.909B02-092011.tus?dl=0>

2. Setting PTZ operation type

User can choose whether to use ONVIF PTZ or ONVIF Serial.



2.1. ONVIF PTZ Type – ONVIF Serial

If ONVIF Serial is selected, the decoder uses serial pass-through commands of ONVIF device I/O service. It doesn't interpret data from the keyboard.

2.2. ONVIF PTZ Type – ONVIF PTZ

If ONVIF PTZ is selected, the decoder uses ONVIF PTZ service. It parses the data from keyboard and translates them into ONVIF PTZ commands.

3. ONVIF PTZ – PTZ Remote Select

When ONVIF PTZ is selected, user can select the remote channels into which ONVIF PTZ commands are to be sent among 6 methods.

3.1. All Remote

ONVIF PTZ commands are sent to all remote channels.

PTZ

PTZ Type: Pelco-D

PTZ Port: COM2

ONVIF PTZ Type: ONVIF PTZ

PTZ Remote Select: All Remote

PTZ ID Remote #1: SDI Display

PTZ ID Remote #2: Composite Display

PTZ ID Remote #3: Web Display

PTZ ID Remote #4: PTZ ID Base

PTZ ID Remote #3: 1

PTZ ID Remote #4: 1

Display Change By Aux Command: Disable

3.2. HDMI Display / SDI Display / Composite Display

ONVIF PTZ commands are sent to the remote channel which is designated in the display output on the 'Video&Audio – Output – Display Mode'. It doesn't work when 'Display Mode' is set to 'Rotation'.

PTZ

PTZ Type: Pelco-D

PTZ Port: COM2

ONVIF PTZ Type: ONVIF PTZ

PTZ Remote Select: HDMI Display

PTZ ID Remote #1: SDI Display

PTZ ID Remote #2: Composite Display

PTZ ID Remote #3: Web Display

PTZ ID Remote #4: PTZ ID Base

PTZ ID Remote #3: 1

PTZ ID Remote #4: 1

Display Change By Aux Command: Disable

Display Mode

- Channel 1
- Channel 2
- Channel 3
- Channel 4
- Rotation
- Quad
- Vertical Dual(ch1+ch2)
- Vertical Dual(ch3+ch4)
- Horizontal Dual(ch1+ch2)
- Horizontal Dual(ch3+ch4)

HDMI

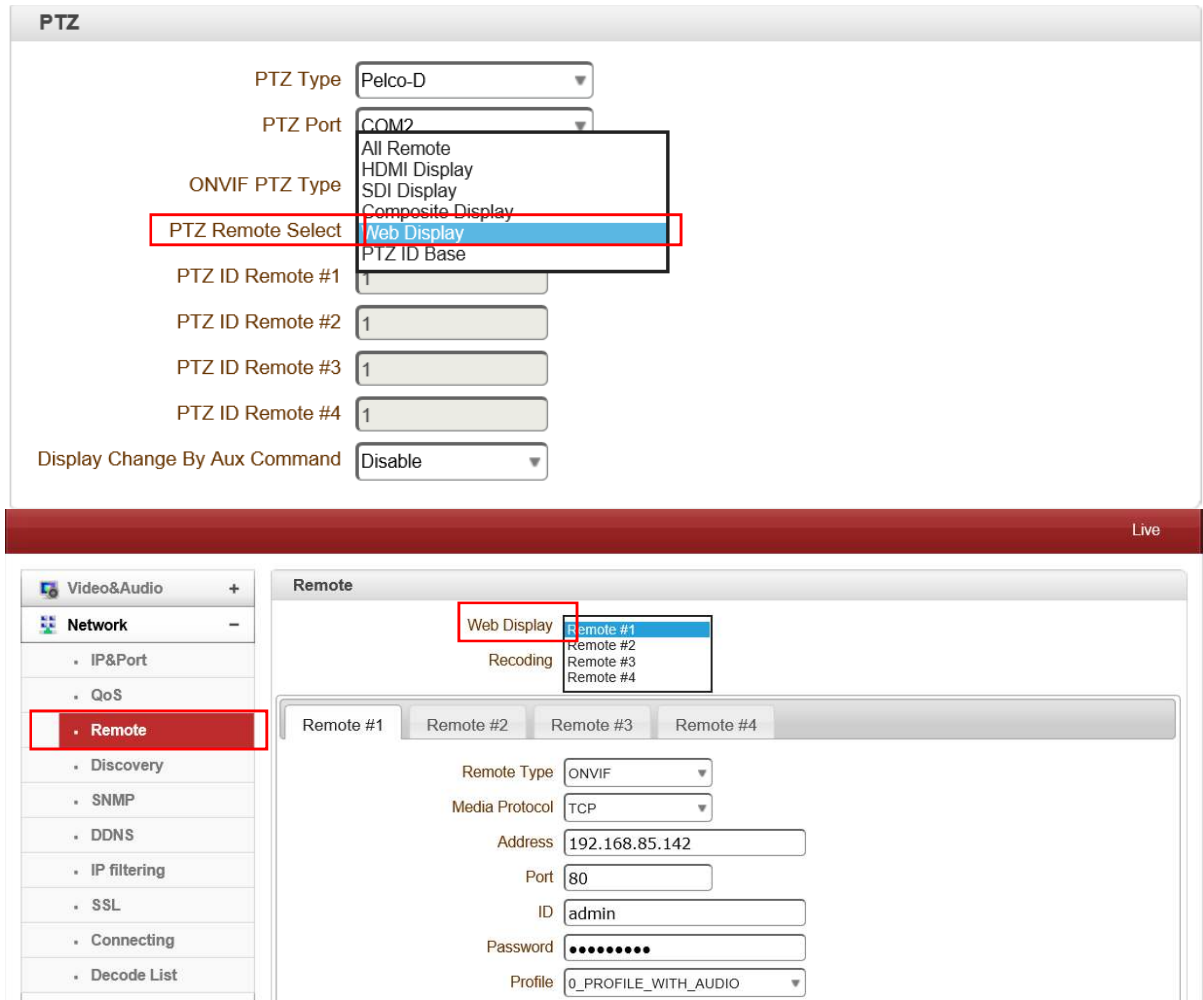
SDI

Composite

Not supported

3.3. Web Display

ONVIF PTZ commands are sent to the remote channel which is displayed on the web viewer (according to 'Web Display' on the 'Network – Remote – Web Display')



3.4. PTZ ID Base

ONVIF PTZ commands are sent to the remote channels which have the configured PTZ ID matching the PTZ ID coming from the keyboard.

User can assign the PTZ ID to each remote channel.

Ex) Key Board Controller PTZ ID : 1

PTZ ID Remote #1 : 1

PTZ ID Remote #2 : 2

PTZ ID Remote #3 : 1

PTZ ID Remote #4 : 4

⇒ Remote #1, Remote #3 will have the ONVIF PTZ commands.

PTZ

PTZ Type: Pelco-D

PTZ Port: COM2

ONVIF PTZ Type: ONVIF PTZ

PTZ Remote Select: PTZ ID Base

PTZ ID Remote #1: 1

PTZ ID Remote #2: 1

PTZ ID Remote #3: 1

PTZ ID Remote #4: 1

Display Change By Aux Command: Disable

When 'PTZ ID Base' is selected Text Box is Activated

4. Display Change By Aux Command

When this function is activated, you can change the remote channel setting of 'Output display' on output page or 'Web Display' on Remote page with Aux command.

When it is disabled, Aux commands are processed as before.

PTZ

PTZ Type: Pelco-D

PTZ Port: COM2

ONVIF PTZ Type: ONVIF PTZ

PTZ Remote Select: PTZ ID Base

PTZ ID Remote #1: 1

PTZ ID Remote #2: 1

PTZ ID Remote #3: 1

PTZ ID Remote #4: 1

Display Change By Aux Command: **Enable**

Aux 01 to Aux 08 are used to select the channel(s) to view as below.

If you change the channel setting by Aux Command, HDMI, SDI and Composite outputs are changed together.

- Aux 01 -> Output Display [Channel 1]
- Aux 02 -> Output Display [Channel 2]
- Aux 03 -> Output Display [Channel 3]
- Aux 04 -> Output Display [Channel 4]
- Aux 05 -> Output Display [Rotation] -> Not support
- Aux 06 -> Output Display [Quad]
- Aux 07 -> Output Display [Ch1 + Ch2]
- Aux 08 -> Output Display [Ch3 + Ch4]