

Security Management System Infinova T series Camera IO Out Configuration

Introduction

This document describes the configuration required for controlling 'Infinova T series camera IO out' from the Security Management System software.

The configuration involves 3 parts -

- (a) Camera configuration
- (b) Security Management System server software configuration
- (c) Control from Security Management System client software



Camera configuration

Following are the one time configuration steps -

- 1. Please access the camera web browser GUI from Internet Explorer web browser
- 2. Navigate to the 'Settings' tab Navigate to 'Alarms' configuration page

Live View	Settings							
System	Alarm configuration	Alarm configuration						
Network	I/O In1: Open circuit V I/O In2: Open circuit V	_						
Camera	Alarm out contact: Net contact	J						
Audio video	Alarm server 1 IP: 192.168.0.75 Alarm server 2 IP: 192.168.0.76 Alarm server 3 IP: 0.0.0.0	_		C	Save			
Intelligence					ouve			
PTZ function	Alarm out contact	botograph	or CTD is a	alacted				
Time function	Note: Enable MJPEG before Mail, SD card i	notograph		cp and	CD and			
		I/O out 1	Mail	Photograph	Recording	FTP		
Alarm	I/O In 1							
Storage	I/O In 2							

- 3. Under 'Alarm configuration', please select 'Alarm out contact' as 'Net contact' Click on 'Save' button to save the settings
- Scroll down the 'Alarms' configuration page. Under 'Alarm schedule', ensure that 'Everyday' checkbox is selected. And 'Start time' is set to '00:00' and 'End time' is set to '23:59' Click on 'Save' button to save the settings

Live View	Settings		
System	Network link down		
	Heart beat lost		· · · ·
Network			Save
Camera			<u> </u>
Audio video	Alarm schedule		
Audio Video		Start time	End time
Intelligence	☑ Sun.	00 : 00	00 : 00
PTZ function	Mon.	00 : 00	00 : 00
TTL TUILCION	✓ Tue.	00 : 00	00 : 00
Time function	₩ Wed.	00 : 00	00 : 00
Alarm	I Thu.	00 : 00	00 : 00
		00 : 00	00 : 00
Storage	✓ Sat.	00 : 00	00 : 00
Users	Everyday		23 : 59
	\dashv		Save
Log	<		



Security Management System server software configuration

1. Please ensure that target 'Infinova T series' camera is added to the Security Management System server software as 'Infinova IP Camera T Series' 'Video Source Type'.

192.168.0.76	2	Video devices	- Channels					
Site_00155D1F077A	\overline{i}						\sim	
Video devices	^		🛛 💋 💋 (🕑 🐼 🚺	V 🕕	😸 🛛 🐼 🤇	W 😔	
Channels		Sr.No. C	hannel Name	Camera Status	Channel ID	Description	Video Strea	
Sequences		51110. 0	numer nume	cumera statas	chunner 10	Description	video se ca	
Stream profiles								
Audio devices								\sim
Device groups								
Alarm groups								$\mathbf{\overline{\mathbf{v}}}$
Status								
Reports and export								
Communication								
Security devices								
Keyboards and Joys	ticks	<	_				>	
Hears and privileges	c	License inf	ormation					
Add video channe	el Cha	annel Name: Channel ID:	Cam915 VC_ Ca	m915]]	×
	Channer	Description.	Camara					_
	Video S	Source Type:	Infinova I	P Camera T Se	eries			~
	Conne Au	IP address: User name: Password: ection Mode: dio support:	192 . 14 admin •••••• Unicast	58 1 11	02	~	~	
		Lens.	Normal le	15	-	~		
Display stream	1			Display str	eam 2			
Stream tune	H 264 2	stroom		Select ctr	oam: U	a different etc	2.200	
Stream type	H.204-2	stream	~	Select su	eam: Us	se different stre	eam	<u> </u>
				Stream	type: H.	264-1 stream		~
Recording stream	am			Motion det	ection and	d video analytic	s stream	
Select stream	Use disr	lav stream 2	×	Select str	eam: Us	e display stre	am 1	~
Character	u coc alop			Charac				
Stream type	H.264-1	stream	Y	Stream	type: H.	204-1 stream		× .
			0	0			8	



2. After adding the camera, please access the camera details page from left side navigation pane link 'Video devices -> Channels -> <CameraName>'

192.168.0.76	Video devices → Channels → Ca	am915	
Site_00155D1F077A	Chappel Name Cam015		
Video devices	Channel Name Campion		,
Channels	Parameter Name	Parameter Value	^
Cam015	Channel ID	VC_Cam915	
Campio	Channel Description	Cam915	
Sequences	Video Source Type	Infinova IP Camera T Series	
Stream profiles	Display Resolution (Stre	320x240/1920x1080 pixels	
udio devices	Recording Resolution	1920x1080 pixels	
	Recording Mode	off	Y flip video
evice groups	Recording State	Gil	Show analytics status
larm groups	Video Parameters -	0.1	Motion detection off
tatus	- IP address	192,168,1,102	Camera PT7
eports and export	- User name	admin	
Communication	- Connection Mode	Unicast	Send audio to camera
	- Audio support	No	
ecurity devices	- Lens	Normal lens	× O
eyboards and Joysticks	GPS co-ordinates		
Jsers and privileges	Use GPS co-ordinates		
larm management	Latitude: 0		Camera Features Selec
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Server settings			

3. Click on the 'Camera Features Selection..' button. This will open the 'Camera Feature Selection' dialog box

Camera Feature Selection		×					
Add-on license is needed for following features = (a) Camera VA alarms							
Add-on-license is needed for following reactives – (a) caller							
Select Camera Features	^						
Camera Alarms - Camera IO In 1							
Camera Alarms - Camera IO In 2							
Camera Alarms - Camera IO In 3							
Camera Alarms - Camera IO In 4							
Camera Alarms - Video Masking/ Scene Change							
Camera Alarms - Camera tampering (Camera VA)							
Camera IO out1							
Infrared control							
Infrared auto control							
Focus control							
Focus auto control							
Iris control							
U Washwipe control							
Heat control							
Track PTZ position							
		•					
AUX focus control	v						
Inimova SD card heart beat communication		•					
Note:							
Some of the features may require additional settings after e them, please open "Camera features configuration" dialog b	nDling						
additional settings of the selected features							



- From the list of features, please select 'Camera IO Out1' feature. Click on 'Ok' button to save the selections and to close the 'Camera Feature Selection' dialog box
- 5. On the camera details page, please click on the 'Camera Features Configuration...' button. This will open the 'Camera Features Configuration' dialog box

92.168.0.76	🕜 🚺 Video devices – Cha	annels → Cam915)		
te_00155D1F077A	Channel Name	Com015		00	
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Channels	Parameter Name	e Paran	neter Value	<u>^</u>	
Com01E	Channel ID	VC_C	am915		
Callig12	Channel Descrip	tion Cam9	15		
Sequences	Video Source Ty	pe Infino	va IP Camera T Se	eries	
Stream profiles	Display Resoluti	on (Stre 320x2	240/1920x1080 pi	xels	
	Recording Resol	ution 1920:	x1080 pixels		
dulo devices	Recording Mode	Conti	nuous		V flip video
evice groups	Manual Recordin	g State Off			Show analytics status
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	- IP address	192.1	.68.1.102		Camera PTZ
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ecurity devices	- Audio support	No			
	- Lens	Norm	al lens	~	
eyboards and Joysticks	-GPS co-ordinate	s			0
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larm management	Latitude:	0			
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asks) 🔕 🗇			🔗 🔗 🚱 🎧
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6. Please select 'Camera IO Out' tab.

Under 'Camera IO out1', please set suitable 'Name' which will be useful in identifying the 'IO out' eg 'Entry gate buzzer' (Or continue with the default 'Name'). The name can be edited later, if required, from same GUI.

Select 'Default state' to 'Normal' or 'Opposite'.

This selection will be based on the integration design (camera IO out and the external system integration). Normal state typically indicates 'relay open' and Opposite state typically indicates 'relay close'.

Click on 'Ok' button to save the selections and to close the 'Camera Features Configuration' dialog box



Camera Features Configuration	1	×
Camera IO Out		
Camera IO out1		
Name:	Camera IO out1	
Default state:	Normal 🗸	

7. On the camera details page, please click on the 'Camera Features Controls...' button. This will open the 'Camera Features Controls' dialog box

192.168.0.76	Video devices – Channels – Cam915	
Site_00155D1F077A	Channel Name Cam915	
Video devices		
Channels	Parameter Name Parameter Value	
0	Channel ID VC_Cam915	
Cam915	Channel Description Cam915	
Sequences	Video Source Type Infinova IP Camera T Series	
Stream profiles	Display Resolution (Stre 320x240/1920x1080 pixels	
And the second second	Recording Resolution 1920x1080 pixels	
Audio devices	Recording Mode Continuous	V flip video
Device groups	Manual Recording State Off	 Flip video Chow applytics status
Alarm groups	Recording Drive G:\	Valiandatastica aff
Status	Video Parameters -	Motion detection off ~
Reports and evport	- IP address 192.168.1.102	Camera P12
Reports and export	- User name admin	Cond pudio to comoro
Communication	- Connection Mode Unicast	Send addio to camera
Security devices	- Audio support No	
Keyboards and Joysticks	- Eens	• 🗻
Users and privileges	GPS co-ordinates	$1 \overset{\frown}{\smile}$
Alarm management	Latitude:	
Data management	Longitude:	
Remote backup		
Tasks		
Linked servers		
Server settings		Camera Features Controls

8. Please select 'Features 2' tab.

'On' and 'Off' buttons next to 'Camera IO out1' can be used to control the 'camera IO out' state

Note – If 'Camera IO out1' name is set to different text other than default, the name set will be displayed before the 'On' and 'Off' buttons.



Camera Features Controls	×
Features 1 Features 2 Camera IO out1: Image: Camera IO out2: Camera IO out2: Image: Camera IO out2:	
Camera Infrared: 🛞 🛞 😁	

9. Confirm that 'Infinova T series IO out' is working properly. As initial test, multi-meter device connectivity check can be performed to confirm the change in state of the 'Infinova T series IO out', as per On/Off button clicks in the Security Management System software GUI. Then actual external system can be connected to camera IO out and tested with On/Off button clicks in the Security Management System software GUI.



Control from Security Management System client software

- 1. If the Security Management System client software is running, please close it and restart it; to refresh the configuration updates processed in Security Management System server software
- 2. In the Security Management System client software, drag-drop the target camera (for which 'Infinova T series camera IO out is configured in the Security Management System server software) to view it in any of the video panes.

The selected video pane header is indicated by yellow color. Please ensure that target camera is the selected camera



3. In the 'Camera control' section (below the camera tree), please click on 'Up' (or 'Down') button to view list of sub-sections. Click on the 'Features 2' sub-section.



A	pplication	Layout	Settings	Screens	Active alarms	Video Panorama	Help	
	Infind	va®						
Navigation	✓ In Site_00 ✓ In Site_00 ✓ Dev ✓ Dev ✓ Dev ↓	genent system 55D1F077A(192.168.0.76) ice groups CG AllChannels S™ Cam915 (1 View) rnal Alarms	•	- Cam915	e	***		2-
Features 2	Camera IO Camera IO	outi: O O	з.)))))))					4-
Aux focus	Camera Infr	ared: 💽 🛞 (Infi	inova [®]		

- From 'Features 2' camera control page, 'On' and 'Off' buttons next to 'Camera IO out1' can be used to control the 'camera IO out' state Note – If 'Camera IO out1' name is set to different text other than default, the name set will be displayed before the 'On' and 'Off' buttons.
- 5 Confirm that 'Infinova T series IO out' is working properly. As initial test, multi-meter device connectivity check can be performed to confirm the change in state of the 'Infinova T series IO out', as per On/Off button clicks in the Security Management System software GUI. Then actual external system can be connected to camera IO out and tested with

Then actual external system can be connected to camera IO out and tested with On/Off button clicks in the Security Management System software GUI.