

turbine



Configuration Manual

Turbine Compact IP Video Stations TCIV-2 TCIV-3 TCIV-6

TECHNICAL MANUAL

A100K11559

Document Scope

This document describes the setup procedure and configuration of the various models of the Turbine Compact IP Video station series.

Station Firmware Version: VSF-Turbine 4.7

Product	Item Number
Tubine Compact IP Video Station - TCIV-2	1008115020
Tubine Compact IP Video Station - TCIV-3	1008115030
Tubine Compact IP Video Station - TCIV-6	1008115060

Publication Log

Rev.	Date	Author	Status	Comments
1.0	21.12.2015	HKL	Published	
1.1	9.5.2016	HKL	Published	Same IP for camera & station
1.2	20.6.2016	HKL	Published	New screenshots IP Desktop
1.3	22.8.2016	HKL	Published	Pulse and SIP for IP Desktop
1.4	27.9.2017	HKL	Published	ITSV-1, SW 4.7

Related Documentation

For further information, refer to the following documentation:

Doc. number	Documentation
A100K11194	Turbine IP Stations Technical Manual
A100K11625	Turbine Compact IP Video Station Mounting Guide
A100K11293	Turbine Compact IP Station Getting Started for Alphacom
A100K11335	Turbine Compact IP Station Getting Started for SIP
A100K11336	Turbine Compact IP Station Getting Started for Pulse
A100K11664	IP Desktop Station with Video Display Manual
A100K11619	VS-IMT User Manual
A100K11705	ITSV-1 Video Phone Quick Installation Guide

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1 Turbine Compact IP Video Stations

All IP Video stations in the Turbine Compact series offers audio features such as: HD voice quality, Open Duplex, Active Noise Cancellation, MEMS microphone, a 10W Class D amplifier and our unique speaker grille design. The Video camera features wide FoV HD Video, Digital PTZ, and support for H.264 or MJPEG.

There are three station models in the Turbine Compact IP Video series:



TCIV-2 Stainless steel frontplate with single call button



TCIV-3 Thermoplastic frontplate with single call button



TCIV-6 Thermoplastic frontplate with call & scrolling buttons and PMOLED display



Figure 1 Turbine TCIV-2 / TCIV-3 Station Keys & Functions



Figure 2 Turbine TCIV-6 Station Keys & Functions

2 Station Connections

2.1 External Connectors on IP Video Station



Figure 3 External Connectors on IP Station

The following table is an overview of the main connectors involved when installing the Turbine IP Stations.

Ethernet / Power	10/100 Mbps Ethernet RJ-45 port for LAN (uplink) connection. Supports PoE (802.3af). Draws power from either spare line or signal line.
Secondary Power	24 VDC (16 – 48 V) secondary power is provided from an external adapter.
Relays	There is one Double Throw relay contact with 60W switching power. COM, NO, NC contacts are provided. Max: 250VAC/220VDC, 2A, 60W.
Input/Output	6 general purpose I/Os are available. Each I/O can be configured as either button input or LED driver.
Audio Line Out	A balanced 600 ohm audio line out with induction loop signal

2.2 Power Supply

The Turbine Station supports Power over Ethernet (PoE, IEEE 802.3 a-f) where power can be drawn from either the spare line or signal line.

If PoE is not available, the Turbine Station can be connected to a 24 VDC local power supply.

2.3 Network Connection

There is one RJ-45 port located on the Turbine station that is used as the PoE/LAN port.



2.4 Input/Output Connections

There are 6 I/O connection options for the Turbine Station.

These connections are used as relay contacts for door lock control and external I/O devices.

3 Starting Up the Video Station

The Turbine Video Station features an embedded web interface, which allows users to log in via a standard web browser.

① Software upgrade procedure for the video station is the same as for the audio stations in the Turbine series. For further details, see *A100K11194 Turbine IP Stations Technical Manual*.

To start up the station, your PC and the IP station have to be connected together via a PoE switch using network cables:

- 1. Connect the PC to the PoE switch
- 2. Connect the PoE port on the IP station to the PoE switch

When the Turbine Video Station is connected to the network, the **IP address** of the station is automatically obtained in one of two ways:

- 1. An IP address is obtained from a **DHCP server** if there is one.
- 2. If there is no DHCP server, an IP address in the range 169.254.x.x will be assigned.

To make the station speak its IP address:

Press the call button on the station
 when the station is not registered yet



At commissioning, the IP Video station needs to be configured to enable it to be used as:

- Station subscribed to an AlphaCom server
- SIP station
- Pulse station



Figure 4 Turbine Video AlphaCom/Pulse/SIP System

4 Turbine Video Settings

After logging into the station via the web interface:

• Select menu option Video Settings

The parameters for video settings are as shown below:

Video Settings	
Description	Configuration
Video mode:	H264 RTP INDED HTTP
Enable Video:	 Image: A set of the set of the
Resolution:	240P 🔻
Frames per second	15 fps 🔻
Camera IP address and port:	10.5.101.46 8090
Enable HTTP basic authentication:	
Video setup mode:	Default 🔻
Advanced Settings	
Advanced Settings Description	Configuration
Advanced Settings Description Lens distortion correction:	Configuration ☑
Advanced Settings Description Lens distortion correction: Night mode:	Configuration ☑
Advanced Settings Description Lens distortion correction: Night mode: Zoom [1.00 2.50]x	Configuration 1
Advanced Settings Description Lens distortion correction: Night mode: Zoom [1.00 2.50]x Color saturation [0 255]:	Configuration 1 128
Advanced Settings Description Lens distortion correction: Night mode: Zoom [1.00 2.50]x Color saturation [0 255]: Contrast [0 255]:	Configuration T 1 128 128
Advanced Settings Description Lens distortion correction: Night mode: Zoom [1.00 2.50]x Color saturation [0 255]: Contrast [0 255]: Brightness [0 255]:	Configuration

Video Mode

This parameter defines whether the video stream will be in either of the two modes: **MJPG** in http or **H.264** in RTP.

Enable Video

This parameter defines whether calls made from the station will be video calls.

Camera IP address and port

This is the IP address and port number of the camera streaming the video to a web browser or video display station. *The video camera and the Turbine station have the same IP address*.

Lens distortion correction

Enabling this parameter will correct the "fish eye" effect that can occur on the edges of the video image.

Night Mode

Enabling this parameter will make it possible for the camera to record in low-light conditions.

<u>Zoom</u>

This parameter sets the digital zoom of the video image. The zoom level range is 1.0 to 2.5. Once it is set higher than 1.0 it allows for offsetting the view horizontally and vertically. The offset range is -100 to 100.

Color saturation

This parameter sets the color saturation of the video image. The range is 0 to 255. Default value is 128.

Contrast

This parameter sets the contrast of the video image. The range is 0 to 255. Default value is 128.

Brightness

This parameter sets the brightness of the video image. The range is 0 to 255. Default value is 128.

Backlight compensation

This parameter sets the backlight compensation for the video image. The range is from 0 to 5. The default value is 2.

5 AlphaCom Configuration

The Turbine Video Stations are connected to the AlphaCom XE server/exchange. The AlphaCom XE server/exchange includes all main service configurations for the IP stations and only a minimum configuration is needed to be carried out on the actual station.

In AlphaCom mode, the Turbine Video stations are used together with:

- IP Desktop Station with Video Display (Item Number: 1408001635)
- ITSV-1 Video Phone (Item Number: 1490001010)
- ① Configuration of the non-video part of the station such as audio and I/O settings is described in the manual: A100K11293 Turbine Compact IP Station Getting Started for AlphaCom.



Figure 5 AlphaCom Video Intercom System

5.1 Logging into the Station

Access the station by logging into the web interface using a standard web browser:

- 1. Open a web browser
- 2. In the browser's address bar, type the station IP address and press the ENTER key The station login page will be displayed.

To log into the station:

- 1. Click Login
- 2. Enter the default User name: **admin**
- 3. Enter the default password: alphaadmin



The **Station Information** page will now be displayed, showing the IP station configuration and status.

5.2 Station Main Settings

s

Click Station Main > Main Settings to access the page for configuring station mode and IP parameters.

on Main	Station Ad	ministration	Advanced A	Alphacom	Advanced Netw	/ork					
tation In	formation	Station I	Mode								
ain Setti	ings	Use Alp	hacom								
			iao								
			go								
		Use SIF	5								
		Use Pul	lse								
		O Use Pul	lse Server								
		Product	Model And	d Access	sorv						
		Model:	[Video Norr	mal (TCIV-2, TCI	V-3) 🔻					
		Devietre				/					
		Registra	tion Settin	igs							
		AlphaCo	m IP-address	:		10	- 5		101 - 4	40	
		Directory	/ Number:			222	2				
		DHCP 🔾 S	Static IP 🖲								
		IP-addres	\$\$:				10	- 5	- 101	- 46	1
		Subnet-n	nask:				255	- 255	- 255	- 0]
		Gateway	:				10	- 5	- 101	- 1]
		DNS Serv	ver 1:				10	- 5	- 2	- 19	
		DNS Serv	ver 2:				0	- 0	- 0	- 0]
		Hostnam	e:		1.00		zenitel06	63a41			
		Disable R using fro	leset to Facto ntboard and I	ory default /O:	settings						
		Read IP A	Address:0								
		Ethernet	Speed 10 Mb	it/s:0							
		Save	е								

Station Mode

• Select the **Use Alphacom** radio-button

Product Model And Accessory

- Model
 - Select one of the options from the drop-down box :
 - Video Normal (TCIV-2, TCIV-3)
 - Video Scrolling Station (TCIV-6)

Registration Settings

- AlphaCom IP-address
 - Enter IP address of AlphaCom in which TCIV is to be registered as a subscriber
- Directory Number
 - Enter the directory number of TCIV (e.g. 2222)

IP Settings

- Static IP Select this option if the IP station shall use a static IP address. Enter values for:
 IP-address: IP address of TCIV (e.g. 10.5.101.46)
 - Subnet-mask: Enter subnet mask
 - Gateway: Enter Gateway IP address
 - DNS Server 1 (option for network administration)
 - DNS Server 2 (option for network administration)
 - Hostname (option for network administration)

Read IP Address

- Check the Read IP Address box to enable an unregistered station to speak its IP address when the call button is pressed.
- Click **Save** followed by **Apply** to apply the new configuration settings.

5.3 AlphaCom Configuration for ITSV-1 Video Phone

• Vingtor-Stentofon ITSV-1 Video Phone - item no. 1490001010

5.3.1 Video Settings for ITSV-1

To configure video settings:

• Select Advanced Alphacom > Video

Station Main Station Administration		Advanced Alphacom	Advanced Network		
► Audio		Video Se	ettings		
► I/O Settin	25	Descripti	on		Configuration
▶ I/O Settings		Enable V	ideo:		
Sound Detection		Resolutio	on:	480P 🔻	
→ Time Settings Fra		Frames p	er second	15 fps ▼	
- Midea		Camera IP address and port:			10.5.101.46 8090
▼ video		Enable H	TTP basic authenticatio	n:	
Video s		Video set	tup mode:		Default 🔻
		Advance	ed Settings		
		Descripti	on		Configuration

Description	Configuration
Lens distortion correction:	
Night mode:	
Zoom [1.00 2.50]x	1
Color saturation [0 255]:	128
Contrast [0 255]:	128
Brightness [0 255]:	128
Backlight compensation:	2 🔹

Save

• Select or set values for the parameters:

Enable Video: Check box to enable video calls

Resolution: Select 480P

Frames per second: Select 15fps

Camera IP address and port: Enter the port number - default is 8090

Video setup mode: Select Default

- The video camera and the Turbine station have the same IP address.
 - The video stream from the camera can be viewed by entering the IP address and port number in a web browser, e.g. **10.5.101.46:8090**
- Uideo calls in the AlphaCom system are made in MJPG mode only.
- The same IP address (e.g. 10.5.101.46) and port number (e.g. 8090) set here must be entered into the Camera Settings of the ITSV-1.
- Click Save
- Click Back to config page

5.3.2 ITSV-1 Phone Settings

• Log into the ITSV-1 phone interface by entering its IP address in a browser on your PC

ITSV-1 IP Touch Station with Video							
Username Password Language	admin ∙∙∙∙∙∙ English ∨	Login					

Login Credentials

Username: **admin**

Password: alphaadmin

5.3.3 ITSV-1 Account Setup

• Select Account > Account 1 > General Settings

VINGTOR 🔶 S	TENTOFO	N JP			W	EB CON	FIGURA	ATION	C Reb	oot kit
	Status	Ac	count	Advance	ed Settings	Maintenance		English	~	C.
General Settings		Acco	unt 1	Account 2	Account 3	Account 4	Account 5	Account 6		(
Network Settings										
SIP Settings				Account Act	ive :	Yes				
Codec Settings				Account Na	me :	AlphaCom				
Call Settings				SIP Ser	/er :	10.5.101.40				
				SIP User	ID :	200				
			SIP A	uthentication	ID :	200				
		SIP A	uthentio	ation Passwo	ord :					
		Voi	ce Mail	Access Num	per :					
				Na	me :	ITSV-1				
		Sh	ow Acco	ount Name O	nly :	🗆 Yes				
				Tel L	IRI :	Disable		>		
						Save	Cancel			

• Enter the values shown above for the parameters

Account Active: Check Yes box SIP Server: IP address of AlphaCom server (see Main Settings in TCIV) SIP User ID: Directory Number of ITSV-1 phone SIP Authentication ID: Same as SIP User ID

5.3.4 ITSV-1 Audio Codec Settings

- Check in AlphaPro under **Users & Stations** the codec that has been selected for the SIP phone (normally **G722**)
- Select Account 1 > Codec Settings

	Status	Account	Advanced S	Settings	Maintenance		English	•
General Settings		Account 1	Account 2	Account 3	Account 4	Account 5	Account 6	
Network Settings			DTME					
SIP Settings		DTMF	= Pavload Type	•	101	(FC2033 🖸 31		
Codec Settings		Pre	ferred Vocoder	:	Accellete		Octobert	
Call Settings					PCMA	a	G722	
								
						•		
					-	•	*	

• Remove all codecs from the **Selected** list except the one defined in AlphaPro, i.e. **G722**.

5.3.5 ITSV-1 Video Configuration

The video is streamed in MJPEG format directly from the TCIV camera to the ITSV-1. The AlphaCom server is not involved in the video stream. The TCIV camera must have a static IP address.

	Status	Account	Advanced	I Settings	Maintenance		English	~
General Settings		Account 1	Account 2	Account 3	Account 4	Account 5	Account 6	
Network Settings								
SIP Settings		Start Vide	eo Automatical	ly :	🗹 Yes			
Codec Settings			Video Layo	ut :	Default	E.)	
Call Settings		Remote	Video Reque	st :	Prompt	E.)	
		Disat	ole Presentatio	n:	Yes			
			Dial Plan Pref	ix :				
	Disable DialPlan :				Dial Page Incoming Cal MPK & Click2	□ C I History □ C 2Dial	ontact outgoing Call Histo	угу
			DialPla	in :	{ x+ \+x+ *x+	*xx*x+ x+*x+*	XH	
		Refer-To Use	e Target Conta	ct :	Yes			
			Auto Answe	er :	No	- E)	
		Ir	ntercom Bargin	g:	Yes			
			Auto Previe	W I	Yes			
		Se	end Anonymou	IS I	Yes			
		Anonymou	s Call Rejectio	n :	Yes			
			Call Lo	ig :	Log All)	
			Special Featur	re :	Vingtor Stentofo	n System	>	
		Configu	re Door Syster	m :	Configure			
		Feature Key	Synchronizatio	n:	Disable			

• Select Account 1 > Call Settings

- Click the Yes box for Start Video Automatically
- Select Vingtor Stentofon System from Special Feature dropdown box
- Click **Configure** to open the camera list

	Status	Account	Advanced	l Settings	Maintenance		Eng
General Settings		Account 1	Account 2	Account 3	Account 4	Account 5	Account 6
Network Settings							
SIP Settings		Start Vide	eo Automatical	ly :	🗹 Yes		
Codec Settings		D	oor System UR	L	Door Sy	/stem SIP Use	er ID
Call Settings	1:	http://10.	5.101.46:8090/i	njpg/vide	2222		
	2 :						

• Enter the camera URL and the directory number of the TCIV station

Door System URL : http://< TCIV camera IP address>:<port no.>/mjpg/video.mjpg
 Example: http://10.5.101.46:8090/mjpg/video.mjpg
 Door System SIP User ID : Directory Number of TCIV station

5.4 AlphaCom Configuration for VS Desktop Video Display Station

• Vingtor-Stentofon IP Desktop Video Station - item no. 1408001635

5.4.1 Video Settings for Desktop Station

To configure video settings:

• Select Advanced Alphacom > Video

Station Main	Station Admi	inistration	Advanced Alphacom	Advanced Network	
▶ Audio		Video S	ettings		
		Descript	ion		Configuration
▶ 1/O Settings	s				
Sound Dete	ection	Resoluti	on:		240P 🔻
▶ Time Settin	gs	Frames p	per second		15 fps 🔻
▼ Video		Camera	P address and port:		10.5.101.46 8090
• • • • • • • • •		Enable H	ITTP basic authenticatio	n:	
		Video se	tup mode:		Default 🔻
		Advance	ed Settings		Configuration
		Lens dis	tortion correction:		
		Night mo	ode:		
		Zoom [1.	00 2.50]x		1
		Color sa	turation [0 255]:		128
		Contrast	[0 255]:		128
		Brightne	ss [0 255]:		128
		Backligh	t compensation:		2 🔻
		Save	е		
• Sel	ect or set v	alues for	the parameters:		
Enable	e Video: C	heck box	to enable video call	S	

Resolution: Select 240P

Frames per second: Select 15fps

Camera IP address and port: Enter the port number - default is 8090

Video setup mode: Select Default

- ① The video camera and the Turbine station have the same IP address.
 - The video stream from the camera can be viewed by entering the IP address and port number in a web browser, e.g. **10.5.101.46:8090**
- Uideo calls in the AlphaCom system are made in MJPG mode only.
- The same IP address (e.g. 10.5.101.46) and port number (e.g. 8090) set here must be entered into the Camera Settings described in section "5.4.2 VS Desktop Station Video Configuration".
- Click Save
- Click Back to config page

5.4.2 VS Desktop Station Video Configuration

• Vingtor-Stentofon IP Desktop Video Station - item no. 1408001635

The camera of the Turbine Video station has to be set in the video display part of the Vingtor-Stentofon desktop station. This is done by logging into video part of the desktop station interface.

• Tapping anywhere on the LCD touchscreen will show the IP address of the video display part.



• Enter the **Video-IP** address as shown above (e.g. 192.168.45.45) in a web browser to log into the video part of the desktop station.

To log into the video part of the station:

- 1. Enter the default User name: admin
- 2. Enter the default password: alphaadmin

	OR OFON	IP Desktop Video ^{by} BAUDISCH
Firmware-Version: v2.3 MAC-Address: v2.3 74-19-F8-60-09-E0	 > User > User Interface > Cameras > Network > System 	

• Click Cameras

amera Settings	
Passcode	
Passcode	(Numbers only)
Camera Types	
Baudisch	:80/mjpg/video.mjpg
AXIS	:80/axis-cgi/mjpg/video.cgi
TCIV	:8090/mjpg/video.mjpg
Name	FrontDoor
AlphaCom Node Number	3
AlphaCom Directory Number	2222
SIP ID	
Camera IP	10.5.101.46
Camera Type	TCIV
Camera User	
Camera Password	
Passcode required	
Allocation active?	•

• Enter values for the parameters as shown

Camera Types

- Camera Type is TCIV with URL :8090/mjpg/video.mjpg
- ① '8090' is the default port number for the camera set in section "5.4.1 Video Settings for Desktop Station"

Camera Allocation

AlphaCom Node Number: Node number of network (e.g. 3)

AlphaCom Directory Number: Directory number of TCIV (e.g. 2222 as set in *Main Settings*) Camera IP: IP address of TCIV (e.g. 10.5.101.46)

Camera Type: TCIV

• Click Submit settings

6 SIP Configuration

The STENTOFON SIP Stations are custom-made IP intercom stations that can integrate with any iPBX system.

In SIP mode, the Turbine Video stations have been tested for use with the following video display phones:

- IP Desktop Station with Video Display (Item Number: 1408001635)
- ITSV-1 Video Phone (Item Number: 1490001010)
- Cisco CP-9971 Video Phone
- Bria Softphone
- (i) Configuration of the non-video part of the station such as SIP and DAK settings is described in the manual: *A100K11335 Turbine Compact IP Station Getting Started for SIP*.



Turbine TCIV-2

Figure 6 SIP Video Intercom System

6.1 Logging into the Station

Access the station by logging into the web interface using a standard web browser:

- 1. Open a web browser
- 2. In the browser's address bar, type the station IP address and press the ENTER key The station login page will be displayed.

To log into the station:

- 1. Click Login
- 2. Enter the default User name: **admin**
- 3. Enter the default password: alphaadmin



The **Station Information** page will now be displayed, showing the station settings and status.

6.2 Station Main Settings

Click Station Main > Main Settings to access the page for configuring station mode and IP parameters.

ation Main	Station Adn	ninistration	Advanced SIP	Advanced Network						
 Station Inf 	formation	Station I	Mode							
Main Setti	ngs	Use Alphacom								
		Use Exigo								
		Use Pulse								
		Use Pu	lse Server							
		Product	Model And Ad	ccessory						
		Model:	Vide	o Normal (TCIV-2, TCI	V-3) ▼					
		IP Settin	gs							
			Ptotic ID							
		DHCP 0 ;								
		ID addra			10	r.	101	40	1	
		Subnet-n	ss. nask		10	- 5	- 101	- 40		
		Gateway	:		10	- 5	- 101	- 1		
		DNS Ser	ver 1:		10	- 5	- 2	- 19		
		DNS Ser	ver 2:		0	- 0	- 0	- 0		
		Hostnam	e:		zen	itel063a41				
		Disable F using fro	Reset to Factory dent of the set to Factory dent of the set of the	efault settings				-		
		Read IP #	Address:0							
		Ethernet	Speed 10 Mbit/s:	D						
		Save	e							

Station Mode

• Select the Use SIP radio-button

Product Model And Accessory

- Model
 - Select one of the options from the drop-down box :
 - Video Normal (TCIV-2, TCIV-3)
 - Video Scrolling Station (TCIV-6)

IP Settings

- Static IP Select this option if the IP station shall use a static IP address. Enter values for:
 - IP-address: IP address of TCIV (e.g. 10.5.101.46)
 - Subnet-mask: Enter subnet mask
 - Gateway: Enter Gateway IP address
 - DNS Server 1 (option for network administration)
 - DNS Server 2 (option for network administration)
 - Hostname (option for network administration)

Read IP Address

- Check the **Read IP Address** box to enable an unregistered station to speak the IP address when the call button is pressed.
- Click **Save** followed by **Apply** to apply the new configuration settings.

6.3 SIP Configuration for ITSV-1 Video Phone

• Vingtor-Stentofon ITSV-1 Video Phone - item no. 1490001010

6.3.1 SIP Settings for ITSV-1

• Select SIP Configuration > SIP Settings

Sir com	uration Station Administration Advanced SIP A	Advanced Network
(P Settings	Account Settings	
	Description	Configuration
	Display Name:	Door 4 floor
idio Settinos	Directory Number (SIP ID):	2353
	Server Domain (SIP):	10.5.101.120
rect Access Key	Backup Domain (SIP):	
aungs	Backup Domain 2 (SIP):	
elay Settings	Registration Method:	Parallell T
me Settings	Authentication User Name:	2353
ine occurgo	Authentication Password:	
O Settings	Pogister Interval:	600 (min 80 seconds)
deo Settinos	Outhoused Brown Factionally	Det E000
aco actinga	Outbound Proxy [optional]:	Port: 5060
cript Configuration	Outbound Backup Proxy [optional]:	Port: 5060
cript Events	Outbound Backup Proxy 2 [optional]:	Port: 5060
	Outbound Transport:	UDP V
cript Upload	SIP Scheme:	sip ▼ Using sips forces all proxies to also use TLS
udio Messages	RTP Encryption:	disabled Y
-	SRTP Crypto Type:	AES_CM_128_HMAC_SHA1_80 V
ertificates	TLS Brivata Kow	turbing, ganvar, aba356 kav 💌
	Enable Auto Answer:	 ✓
	Enable Auto Answer:	✓
	Auto Answer Delay:	0 seconds. Max 30 seconds.
	Press and Hold Time:	0 seconds. Max 60 seconds. Defines how long a DAK key/Input must be pressed before the call is established.
	Max Ringing Time:	120 How long a call can be ringing before hanging up.
	Max Conversation Time:	3600 How long a call can be in conversation before hanging
	Max Queued Time:	20 How long a call can be gueued before hanging up.
	Max Queued Calls:	5 How many incoming calls can be queued. May 5
	Dialing Method:	Enblog Dialing
	Enbloc Dialing Timeout:	No Timeout V
	DTMF method:	SIP INFO V
	Conversation Mode:	Full Open Duplex V
	PTT Mode:	Mic and speaker is controlled by PTT button V
	Remote Controlled Audio Direction:	(Received DTMF * to listen, DTMF # to talk, DTMF 0 for ope duplex)
	SIP Message Controlled Audio Direction:	(SIP MESSAGE controls audio direction)
	Boost Volume on Push To Talk:	N
	Override Remote Push To Talk:	
	Force Open Duplex Using DTMF:	- 🔻
	Send DTMF */# with M key:	
	RTP Timeout value:	0 seconds. 0 = RTP Timeout Disabled.
	Codec g729:	Medium Priority 🔻
	Codec g722:	High Priority 🔻
	Codec g711a:	Medium Priority 🔻

Account Settings

Directory Number (SIP ID): Directory number of Turbine Video station

Server Domain (SIP): IP address of the SIP Server

- ① The values for both these parameters are determined by the system administrator in the SIP server domain.
- Enter values for the other parameters under Account Settings and Call Settings
- Click Save

6.3.2 Video Settings for ITSV-1

To configure video settings:

• Select SIP Configuration > Video Settings

ation Main SIP Config	guration Station Administration	Advanced SIP	Advanced Network	
SIP Settings				
	Video Settings			
Audio Settings	Description		Configuration	
Direct Access Key	Video mode:		H264 RTP O MJPG HTTP	
Settings	Enable Video:			
Relay Settings	Resolution:		480P ~	
▶ Time Settings	Frames per second		15 fps 🗸	
▶ I/O Settings	Bitrate:		1000 kb/s ${\sim}$	
	Video setup mode:		Default 🗸	
 Video Settings 				
	Advanced Settings			
	Description		Configuration	
 Script Configuration 	Lens distortion correction:		\checkmark	
Script Events	Night mode:			
Script Upload	Zoom [1.00 2.50]x		1	
▶ Audio Messages	Color saturation [0 255]:		128	
 Contification 	Contrast [0 255]:		128	
 Certificatés 	Brightness [0 255]:		128	
	Backlight compensation:		2 ~	
	_			
	Save			

• Select or set values for the parameters:

Video Mode: Set to H264 RTP Enable Video: Check box to enable video calls Resolution: Select 480P Frames per second: Select 15fps Bitrate: Select 1000 kb/s Video setup mode: Select Default

- Click Save
- Click Back to config page

6.3.3 ITSV-1 Phone Settings

• Log into the ITSV-1 phone interface by entering its IP address in a browser on your PC

IT IP Touch St	SV-1 ation with V	ideo	
Username	admin		
Password Language	English 🗸	Login	
_	_		

Login Credentials Username: admin Password: alphaadmin

6.3.4 ITSV-1 Account Setup

Select Account > Account 1 > General Settings

	Status	Account	t Advanced	Settings	Maintenance		English
General Settings		Account 1	Account 2	Account 3	Account 4	Account 5	Account 6
Network Settings							
SIP Settings			Account Active	e :	✓ Yes		
Codec Settings			Account Name	e :	SIP		
Call Settings			SIP Serve	r:	10.5.11.55		
			SIP User IE):	105		
		SI	P Authentication IE):	105		
		SIP Authe	entication Password	1:	•••••		
		Voice M	lail Access Numbe	r:			
			Name	e :	ITSV-1		
		Show A	Account Name Only	:	Yes		
			Tel UR	l:	Disable	D	
					Save	Cancel	

• Enter the values shown above for the parameters

Account Active: Check Yes box SIP Server: IP address of SIP Server SIP User ID: Directory Number of the ITSV-1 phone

6.3.5 ITSV-1 Video Configuration

The video is streamed directly from the TCIV camera to the ITSV-1. The TCIV camera must have a static IP address.

• Select Account 1 > Call Settings

	Status	Account	Advance	d Settings	Maintenance		English
General Settings		Account 1	Account 2	Account 3	Account 4	Account 5	Account 6
Network Settings							
SIP Settings		Start Vid	eo Automatica	lly :	🗹 Yes		
Codec Settings			Video Layo	ut :	Default)
Call Settings		Remot	e Video Reque	est :	Prompt)

• Click the Yes box for Start Video Automatically

6.4 SIP Configuration for Cisco Video Phone

6.4.1 SIP Settings

• Select SIP Configuration > SIP Settings

ation Main SIP Config	uration Station Administration	Advanced SIP	Advanced Network	
SIP Settings	Account Settings			
	Description		Configuration	
	Display Name:		Door 4 floor	
Audio Settinos	Directory Number (SIP ID):		2353	
	Server Domain (SIP):		10.5.101.120	
Direct Access Key Settings	Backup Domain (SIP):			
betangs	Backup Domain 2 (SIP):			
Relay Settings	Registration Method:		Parallell V	
Time Settings	Authentication User Name:		2353	
I/O Settings	Authentication Password:			
1/O Settings	Register Interval:		600	(min. 60 seconds)
Video Settings	Outbound Proxy [optional]:			Port: 5060
Script Configuration	Outbound Backup Proxy [opti	onal]:		Port: 5060
Carlot Europa	Outbound Backup Proxy 2 [op	tional]:		Port: 5060
Script Events	Outbound Transport:		UDP V	
Script Upload	SIP Scheme:		sip 🔻 Using sips ford	ces all proxies to also use TLS
	RTP Encryption:		disabled 🔻	
Audio Messages	SRTP Crypto Type:		AES_CM_128_HMAG	C_SHA1_80 V
Certificates	Use Unencrypted SRTCP:			
	TLS Private Key:		turbine_server_sha25	56.key 🔻
	Call Settings		Configuration	
	Enable Auto Answer:		Z	
	Auto Answer Delav:		0 seconds Ma	ax 30 seconds
			0 seconds Max	60 seconds. Defines how long a DAK
	Press and Hold Time:		key/Input must be press	ed before the call is established.
	Max Ringing Time:		120 How long a ca	all can be ringing before hanging up.
	Max Conversation Time:		3600 How long a ca	all can be in conversation before hanging u
	Max Queued Time:		20 How long a ca	all can be queued before hanging up.
	Max Queued Calls:		5 How many inco	ming calls can be queued. Max 5.
	Dialing Method:		Enbloc Dialing V	
	Enbloc Dialing Timeout:		No Timeout V	

Conversation Mode: PTT Mode: Remote Controlled Audio Direction: SIP Message Controlled Audio Direction: Boost Volume on Push To Talk: Boost Volume on Push To Talk: Coverride Remote Push To Talk: Force Open Duplex Using DTMF: Send DTMF */# with M key: RTP Timeout value: Codec g729:

DTMF method:

Codec g722: Codec g711a: Codec g711u:

how long a car car be in conversation before hanging ap.
20 How long a call can be queued before hanging up.
5 How many incoming calls can be queued. Max 5.
Enbloc Dialing 🔻
No Timeout V
SIP INFO V
Full Open Duplex 🔻
Mic and speaker is controlled by PTT button V
(Received DTMF * to listen, DTMF # to talk, DTMF 0 for open
duplex)
 (SIP MESSAGE controls audio direction)
×
- T
 Image: A start of the start of
0 seconds. 0 = RTP Timeout Disabled.
Medium Priority T
High Priority 🔻
Medium Priority T
Low Priority T

Account Settings

Directory Number (SIP ID): Directory number of Turbine Video station **Server Domain (SIP):** IP address of the Cisco Unified Communications Manager (CallManager)

- The values for both these parameters are determined by the settings in Cisco Unified Communications Manager (CallManager).
- Enter values for the other parameters under Account Settings and Call Settings
- Click Save

6.4.2 Video Settings for Cisco Phone

	128 kb/s	300 kb/s	500 kb/s	1 Mb/s	2.5 Mb/s
320x240 (240P)	Yes	Yes	Yes	Yes	No
640x480 (480P)	Not recommended	Yes	Yes	Yes	No
1280x720 (720P)	No	No	No	No	No

H.264 bitrate and resolution combinations for Cisco video phone

① 'Not recommended' means that this combination should not be used when bandwidth is limited.

• Select SIP Configuration > Video Settings

Station Main	tation Main SIP Configuration		Station Administration	Advanced SIP	Advanced Network	
▶ SIP Setting	js	Video	o Settings			
▶ Audio Setti	nas	Desc	ription		Cor	figuration
		Vide	o mode:		۲	H264 RTP 🔍 MJPG HTTP
Direct Acce	ess Key	Enat	ole Video:		v	
Setungs		Reso	olution:		24)P 🔻
▶ Relay Setti	ngs	Fram	es per second		15	fps 🔻
► Time Settin	ngs	Bitra	te:		10)0 kb/s ▼
► I/O Setting	IS	Vide	o setup mode:		Cis	co 🔻
🝷 Video Setti	ngs	Adva	nced Settings			
		Desc	ription		Cor	figuration
		Lens	distortion correction:		v	
▶ Script Conf	figuration	Nigh	t mode:			
▶ Script Even	nts	Zoor	n [1.00 2.50]x		1	
		Colo	r saturation [0 255]:		128	
Script Uplo	ad	Contrast [0 255]:			128	
▶ Audio Mess	sages	Brig	ntness [0 255]:		128	
▶ Certificates	5	Back	light compensation:		2	¥

Save

• Select or set values for the parameters according to the example above:

Video Mode: Set to H264 RTP Enable Video: Check box to enable video calls Resolution: Select 240P Frames per second: Select 15fps Bitrate: Select 1000 kb/s Video setup mode: Select Cisco

- Click Save
- Click Back to config page

6.4.3 Direct Access Key Settings

• Select SIP Configuration > Direct Access Key Settings

Station Main	SIP Configuration	on Station Administration	Advanced SIP	Advanced Netw	vork	
▶ SIP Settin	qs D	irect Access Key Settin	gs			
Audio Cott	tings		Function			_
P Addio Set	ings		Idle: Call To	T	2323	No Ringlist ▼
Direct Acc Settings	ess Key	DAK 1	Call: Do Not	thing 🔻		
		Input 1	Idle: Call To	T		No Ringlist v
▶ Relay Sett	ings	input i	Call: Do Not	thing 🔻		
▶ Time Setti	ings	Input 2	Idle: Call To	T		No Ringlist v
▶ I/O Settin	gs	mput z	Call: Do Not	thing 🔻		
▶ Video Sett	tings	Input 3	Idle: Call To	T		No Ringlist v
▶ Script Con	figuration		Call: Do Not	thing 🔻		
▶ Script Eve	nts	Input 4	Idle: Call To	¥		No Ringlist v
▶ Script Upl	oad		Call: Do Not	thing 🔻		
► Audio Mes	sages	Input 5	Idle: Call To	•		No Ringlist v
▶ Certificate	s		Call: Do Not	thing 🔻		
		Input 6	Idle: Call To	Ŧ		No Ringlist 🔻
		input v	Call: Do Not	thing 🔻		
				Sav	/e	

To set up the call key on the Turbine station to call the Cisco phone directly:

- Enter the directory number of the Cisco phone in the Value field for DAK 1
- ① This parameter is valid for TCIV-2 and TCIV-3 only
- ① See A100K11194 Turbine IP Stations Technical Manual for the configuration and import of an Address Book for TCIV-6.

6.5 SIP Configuration for Bria Softphone

- ① Exceptions must be made for Bria in Windows Firewall to be able to receive video. During installation Bria adds rules to Windows Firewall by default, but in some cases this is not sufficient and exceptions must be added manually. If in doubt, consult your system administrator on how to add exceptions for Bria in Windows Firewall.
- Select SIP Configuration > SIP Settings

05	Account Settings		
95	Description	Configuratio	n
	Display Name:	Door 4 floor	
	Directory Number (SIR ID):	9900	
tings	Service Demain (SIP):	10 5 11 55	
ess Kev	Server Domain (SIP):	10.5.11.55	
· · · · · ·	Backup Domain (SIP):		
tings	Backup Domain 2 (SIP):		
ungs	Registration Method:	Parallell	T
ings	Authentication User Name:	2353	
ns.	Authentication Password:		
3-	Register Interval:	600	(min. 60 seconds)
tings	Outbound Proxy [optional]:		Port: 5060
figuration	Outbound Backup Proxy [optional]:		Port: 5060
inguration	Outbound Backup Proxy 2 [optional]:		Port: 5060
nts	Outbound Backup Proxy 2 [optional].		Port. 3000
	SIP Scheme:	sin V Usi	sing formed all proving to also use TLS
080	BTP Encryption:	disabled	T T T T T T T T T T T T T T T T T T T
sages	SRTP Crypto Type:	AFS_CM_1	28 HMAC SHA1 80 V
	Use Unencrypted SRTCP:		
•	TI S Private Key:	turbine ser	ver sha256 kev ▼
	Call Settings Description	Configuratio	n
	Call Settings Description	Configuratio	n
	Call Settings Description Enable Auto Answer: Auto Answer Delay:	Configuratio	n econds Max 30 seconds
	Call Settings Description Enable Auto Answer: Auto Answer Delay:	Configuratio	n sconds. Max 30 seconds.
	Call Settings Description Enable Auto Answer: Auto Answer Delay: Press and Hold Time:	Configuratio	n econds. Max 30 seconds. Inds. Max 60 seconds. Defines how long a DA st be pressed before the call is established
	Call Settings Description Enable Auto Answer: <i>Auto Answer Delay:</i> Press and Hold Time: Max Ringing Time:	Configuratio	n econds. Max 30 seconds. Inds. Max 60 seconds. Defines how long a DA st be pressed before the call is established. I volong a call can be ringing before hanging up
	Call Settings Description Enable Auto Answer: <i>Auto Answer Delay:</i> Press and Hold Time: Max Ringing Time: Max Conversation Time:	Configuration	n aconds. Max 30 seconds. Inds. Max 60 seconds. Defines how long a DA st be pressed before the call is established. W long a call can be ringing before hanging up w long a call can be in conversation before ha
	Call Settings Description Enable Auto Answer: <i>Auto Answer Delay:</i> Press and Hold Time: Max Ringing Time: Max Conversation Time: Max Queued Time:	Configuration	n aconds. Max 30 seconds. Inds. Max 60 seconds. Defines how long a DA st be pressed before the call is established. I be not a call can be ringing before hanging up w long a call can be in conversation before ha
	Call Settings Description Enable Auto Answer: Auto Answer Delay: Press and Hold Time: Max Ringing Time: Max Conversation Time: Max Queued Time: Max Queued Time: Max Queued Time:	Configuration	n econds. Max 30 seconds. Inds. Max 60 seconds. Defines how long a DA st be pressed before the call is established. w long a call can be ringing before hanging up w long a call can be in conversation before ha w long a call can be queued before hanging up
	Call Settings Description Enable Auto Answer: <i>Auto Answer Delay:</i> Press and Hold Time: Max Ringing Time: Max Conversation Time: Max Queued Time: Max Queued Calls: Display: Methadu	Configuratio	n econds. Max 30 seconds. Inds. Max 60 seconds. Defines how long a DA st be pressed before the call is established. I long a call can be ringing before hanging up w long a call can be in conversation before han w long a call can be queued before hanging up many incoming calls can be queued. Max 5.
	Call Settings Description Enable Auto Answer: <i>Auto Answer Delay:</i> Press and Hold Time: Max Ringing Time: Max Conversation Time: Max Queued Time: Max Queued Calls: Dialing Method: Explore Dialing Timeout:	Configuratio	n aconds. Max 30 seconds. Inds. Max 60 seconds. Defines how long a DA st be pressed before the call is established. w long a call can be ringing before hanging up w long a call can be in conversation before ha w long a call can be queued before hanging up many incoming calls can be queued. Max 5. ing
	Call Settings Description Enable Auto Answer: <i>Auto Answer Delay:</i> Press and Hold Time: Max Ringing Time: Max Conversation Time: Max Queued Time: Max Queued Calls: Dialing Method: Enbloc Dialing Timeout: DTME method:	Configuration	n econds. Max 30 seconds. Inds. Max 60 seconds. Defines how long a DA st be pressed before the call is established. w long a call can be ringing before hanging up w long a call can be in conversation before ha w long a call can be queued before hanging up many incoming calls can be queued. Max 5. ing
	Call Settings Description Enable Auto Answer: Auto Answer Delay: Press and Hold Time: Max Ringing Time: Max Conversation Time: Max Queued Time: Max Queued Calls: Dialing Method: Enbloc Dialing Timeout: DTMF method: Conversation Mode:	Configuratio	n econds. Max 30 seconds. Inds. Max 60 seconds. Defines how long a DA st be pressed before the call is established. W long a call can be ringing before hanging up w long a call can be in conversation before hanging up w long a call can be queued before hanging up many incoming calls can be queued. Max 5. ing V
	Call Settings Description Enable Auto Answer: Auto Answer Delay: Press and Hold Time: Max Ringing Time: Max Conversation Time: Max Queued Time: Max Queued Calls: Dialing Method: Enbloc Dialing Timeout: DTMF method: Conversation Mode: PTT Mode:	Configuratio	n econds. Max 30 seconds. Inds. Max 60 seconds. Defines how long a DA st be pressed before the call is established. w long a call can be ringing before hanging up w long a call can be in conversation before hanging up many incoming calls can be queued before hanging up many incoming calls can be queued. Max 5. ing v many incoming calls can be queued. Max 5. ing v v
	Call Settings Description Enable Auto Answer: <i>Auto Answer Delay:</i> Press and Hold Time: Max Ringing Time: Max Conversation Time: Max Queued Time: Max Queued Calls: Dialing Method: Enbloc Dialing Timeout: DTMF method: Conversation Mode: <i>PTT Mode</i> : Remote Controlled Audio Direction:	Configuration	n econds. Max 30 seconds. ands. Max 60 seconds. Defines how long a DA st be pressed before the call is established. w long a call can be ringing before hanging up w long a call can be in conversation before hanging up many incoming calls can be queued before hanging up many incoming calls can be queued. Max 5. ing v v Duplex v eaker is controlled by PTT button v ed DTMF * to listen, DTMF # to talk, DTMF 0 for
	Call Settings Description Enable Auto Answer: Auto Answer Delay: Press and Hold Time: Max Ringing Time: Max Conversation Time: Max Queued Time: Max Queued Calls: Dialing Method: Enbloc Dialing Timeout: DTMF method: Conversation Mode: PTT Mode: Remote Controlled Audio Direction: SIP Message Controlled Audio Direction:	Configuration	n aconds. Max 30 seconds. ands. Max 60 seconds. Defines how long a DA st be pressed before the call is established. w long a call can be ringing before hanging up w long a call can be in conversation before han w long a call can be queued before hanging up many incoming calls can be queued. Max 5. ing v many incoming calls can be queued. Max 5. ing v start v start v to preserve the start of t
	Call Settings Description Enable Auto Answer: Auto Answer Delay: Press and Hold Time: Max Ringing Time: Max Conversation Time: Max Queued Time: Max Queued Calls: Dialing Method: Enbloc Dialing Timeout: DTMF method: Conversation Mode: PTT Mode: Remote Controlled Audio Direction: SIP Message Controlled Audio Direction:	Configuratio	n aconds. Max 30 seconds. Inds. Max 60 seconds. Defines how long a DA at be pressed before the call is established. w long a call can be ringing before hanging up w long a call can be in conversation before har w long a call can be queued before hanging up many incoming calls can be queued. Max 5. ing ▼ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
	Call Settings Description Enable Auto Answer: Auto Answer Delay: Press and Hold Time: Max Ringing Time: Max Conversation Time: Max Queued Time: Max Queued Calls: Dialing Method: Enbloc Dialing Timeout: DTMF method: Conversation Mode: <i>PTT Mode:</i> Remote Controlled Audio Direction: BiP Message Controlled Audio Direction: Boost Volume on Push To Talk: Duesting Push To Talk:	Configuratio	n aconds. Max 30 seconds. Inds. Max 60 seconds. Defines how long a DA at be pressed before the call is established. w long a call can be ringing before hanging up w long a call can be in conversation before har w long a call can be queued before hanging up many incoming calls can be queued. Max 5. ing ▼ w long a call can be queued before hanging up many incoming calls can be queued. Max 5. ing ▼ w long a call can be queued before hanging up many incoming calls can be queued. Max 5. ing ▼ w long a call can be queued before hanging up many incoming calls can be queued. Max 5. ing ▼ w long a call can be queued before hanging up many incoming calls can be queued. Max 5. ing ↓ w long a call can be queued before hanging up many incoming calls can be queued before hanging up sater is controlled by PTT button ▼ sater is controlled by PTT button ▼ sater is controlled by PTT button ▼ w long the tangle up to tangle up to the tangle up to the tangle up to th
	Call Settings Description Enable Auto Answer: Auto Answer Delay: Auto Answer Delay: Press and Hold Time: Max Ringing Time: Max Conversation Time: Max Queued Time: Max Queued Calls: Dialing Method: Enbloc Dialing Timeout: DTMF method: Conversation Mode: <i>PTT Mode</i> : Remote Controlled Audio Direction: SIP Message Controlled Audio Direction: Boost Volume on Push To Talk: Override Remote Push To Talk: Force Coen Duelex Using TALE:	Configuratio	n econds. Max 30 seconds. Inds. Max 60 seconds. Defines how long a DA st be pressed before the call is established. w long a call can be ringing before hanging up w long a call can be in conversation before hanging up many incoming calls can be queued before hanging up many incoming calls can be queued. Max 5. ing v many incoming calls can be queued before hanging up many incoming calls can be queued. Max 5. ing v many incoming calls can be queued before hanging up many incoming calls can be queued before hanging up sater is controlled by PTT button v sater is controlled by PTT button v sater is controlled up of the talk, DTMF 0 for sater is control saudio direction)
	Call Settings Description Enable Auto Answer: Auto Answer Delay: Press and Hold Time: Max Ringing Time: Max Conversation Time: Max Queued Time: Max Queued Calls: Dialing Method: Enbloc Dialing Timeout: DTMF method: Conversation Mode: PTT Mode: Remote Controlled Audio Direction: Boost Volume on Push To Talk: Override Remote Push To Talk: Force Open Duplex Using DTMF* Send DTMF */# with M key*	Configuration	n econds. Max 30 seconds. Inds. Max 60 seconds. Defines how long a DA st be pressed before the call is established. w long a call can be ringing before hanging up w long a call can be in conversation before hanging up many incoming calls can be queued before hanging up many incoming calls can be queued. Max 5. ing v many incoming calls can be queued. Max 5. ing v many incoming calls can be queued. Max 5. ing v saker is controlled by PTT button v saker is controlled by PTT button v solution for the saker is control audio direction)
	Call Settings Description Enable Auto Answer: Auto Answer Delay: Press and Hold Time: Max Ringing Time: Max Conversation Time: Max Queued Time: Max Queued Calls: Dialing Method: Enbloc Dialing Timeout: DTMF method: Conversation Mode: PTT Mode: Remote Controlled Audio Direction: Boost Volume on Push To Talk: Override Remote Push To Talk: Force Open Duplex Using DTMF: Send DTMF */# with M key: BTB Timeout value:	Configuration	n aconds. Max 30 seconds. Inds. Max 60 seconds. Defines how long a DA ts be pressed before the call is established. W long a call can be ringing before hanging up w long a call can be in conversation before hanging up many incoming calls can be queued before hanging up many incoming calls can be queued. Max 5. ing ▼ . Duplex ▼ buplex ▼ baker is controlled by PTT button ▼ d DTMF * to listen, DTMF # to talk, DTMF 0 for SSAGE controls audio direction)
	Call Settings Description Enable Auto Answer: Auto Answer Delay: Press and Hold Time: Max Ringing Time: Max Conversation Time: Max Queued Time: Max Queued Time: Max Queued Calls: Dialing Method: Enbloc Dialing Timeout: DTMF method: Conversation Mode: PTT Mode: Remote Controlled Audio Direction: SIP Message Controlled Audio Direction: Boost Volume on Push To Talk: Override Remote Push To Talk: Force Open Duplex Using DTMF: Send DTMF *## with M key: RTP Timeout value: Conden arZ0*	Configuration	n econds. Max 30 seconds. Inds. Max 60 seconds. Defines how long a DA st be pressed before the call is established. w long a call can be ringing before hanging up w long a call can be in conversation before hanging up many incoming calls can be queued before hanging up many incoming calls can be queued. Max 5. ing ▼ ↓ Duplex ▼ baker is controlled by PTT button ▼ scaker is controlled by PTT button ▼ scaker is controlled by PTT button ▼ scaker is controls audio direction) scands. 0 = RTP Timeout Disabled. active ▼
	Call Settings Description Enable Auto Answer: Auto Answer Delay: Press and Hold Time: Max Ringing Time: Max Conversation Time: Max Queued Time: Max Queued Time: Max Queued Calls: Dialing Method: Enbloc Dialing Timeout: DTMF method: Conversation Mode: PTT Mode: Remote Controlled Audio Direction: Boost Volume on Push To Talk: Override Remote Push To Talk: Force Open Duplex Using DTMF: Send DTMF *# with M key: RTP Timeout value: Codee g729: Codee g729:	Configuration	n econds. Max 30 seconds. Inds. Max 60 seconds. Defines how long a DA st be pressed before the call is established. w long a call can be ringing before hanging up w long a call can be in conversation before ha w long a call can be queued before hanging up many incoming calls can be queued. Max 5. ing ▼ ↓ Duplex ▼ baker is controlled by PTT button ▼ eaker is controlled by PTT button ▼ stad DTMF * to listen, DTMF # to talk, DTMF 0 for SSAGE controls audio direction) conds. 0 = RTP Timeout Disabled. ority ▼
	Call Settings Description Enable Auto Answer: Auto Answer Delay: Press and Hold Time: Max Ringing Time: Max Conversation Time: Max Queued Time: Max Queued Time: Max Queued Calls: Dialing Method: Enbloc Dialing Timeout: DTMF method: Conversation Mode: <i>PTT Mode</i> : Remote Controlled Audio Direction: Boost Volume on Push To Talk: Override Remote Push To Talk: Force Open Duplex Using DTMF: Send DTMF */# with M key: RTP Timeout value: Codee g729: Codee g729: Codee og711a:	Configuration	n econds. Max 30 seconds. Inds. Max 60 seconds. Defines how long a DA st be pressed before the call is established. If y a call can be ringing before hanging up w long a call can be in conversation before hanging up many incoming calls can be queued before hanging up many incoming calls can be queued. Max 5. ing ▼ ▼ Duplex ▼ eaker is controlled by PTT button ▼ eaker is controlled by PTT button ▼ estart to listen, DTMF # to talk, DTMF 0 for SSAGE controls audio direction) conds. 0 = RTP Timeout Disabled. ority ▼

Account Settings

Directory Number (SIP ID): Directory number of Turbine Video station **Server Domain (SIP):** IP address of the SIP server

- ① The values for both these parameters are determined by the system administrator in the SIP server domain.
- Enter values for the other parameters under Account Settings and Call Settings
- Click Save

6.5.1 Video Settings for Bria Softphone

	128 kb/s	300 kb/s	500 kb/s	1 Mb/s	2.5 Mb/s
320x240 (240P)	Yes	Yes	Yes	Yes	Yes
640x480 (480P)	Not recommended	Yes	Yes	Yes	Yes
1280x720 (720P)	Not recommended	Not recommended	Yes	Yes	Yes

H.264 bitrate and resolution combinations for Bria softphone

- $\oplus \$ 'Not recommended' means that this combination should not be used when bandwidth is limited.
- Select SIP Configuration > Video Settings

Station Main SIP C	Configuration Station Administration	Advanced SIP Advanced Ne	etwork
▹ SIP Settings	Video Settings		
▶ Audio Settings	Description	(Configuration
Direct Access Key	Video mode:		H264 RTP O MJPG HTTP
Settings	Enable Video:		
▶ Relay Settings	Resolution:		480P ~
▶ Time Settings	Frames per second		15 fps 🗸
▶ I/O Settings	Bitrate:		1000 kb/s ${\scriptstyle\checkmark}$
▼ Video Settings	Video setup mode:		Default 🗸
	Advanced Settings		
	Description	(Configuration
Script Configuration	on Lens distortion correction:		
Script Events	Night mode:		
▶ Script Upload	Zoom [1.00 2.50]x		1
▶ Audio Messages	Color saturation [0 255]:		128
	Contrast [0 255]:		128
 Certificates 	Brightness [0 255]:		128
	Backlight compensation:		2 ~
	Save		

• Enter the values shown above for the parameters

Video Mode: Set to H264 RTP Enable Video: Check box to enable video calls Resolution: Select 480P Frames per second: Select 15fps Bitrate: Select 1000 kb/s Video setup mode: Select Default

- Click Save
- Click Back to config page

6.5.2 Direct Access Key Settings

• Select SIP Configuration > Direct Access Key Settings

ion Main SIP Conf	iguration Station Adminis	stration Advanced SIP Advanced Network
SIP Settings	Direct Access Key	/ Settings
Audio Settings		Function
Direct Access Key	DAK 1	Idle: Call To ▼ 9910 No Ringlist ▼
Settings	DAKT	Call: Do Nothing
	Input 4	Idle: Call To 🔹 No Ringlist 🔻
Relay Settings		Call: Do Nothing ▼
Time Settings	Input 2	Idle: Call To No Ringlist
I/O Settings	input 2	Call: Do Nothing
Video Settings	Input 3	Idle: Call To ▼ No Ringlist ▼
Script Configuration		Call: Do Nothing
Script Events	Input 4	Idle: Call To ▼ No Ringlist ▼
Script Upload		Call: Do Nothing
Audio Messages	Input 5	Idle: Call To ▼ No Ringlist ▼
Certificates		Call: Do Nothing
	Input 6	Idle: Call To ▼ No Ringlist ▼
	input v	Call: Do Nothing
		Save

To set up the call key on the Turbine station to call the Bria softphone directly:

• Enter the directory number of the Bria softphone in the Value field for Direct Access Key 1 - In this example, the directory number of the Bria softphone is 9910

6.5.3 Bria Softphone Settings

• Start the Bria softphone application on your PC

Video Codecs

• Select Softphone > Preferences > Video Codecs

Preferences				_ ×
Application	Video Codecs			
Alerts & Sounds Privacy	Available Codecs		Enabled Codecs	
Devices Shortcut Keys Audio Codecs Video Codecs Directory Calls	H.263 H.263+ (1998) VP8	>>	H.264	
Files & Web Tabs	Select a codec from the ab Description: H.264 CPU usage: Quality:	ove lists to v	iew properties —	
Reset to Default			ок	Cancel

• Enable codec H.264

Account Settings

• Select Softphone > Account Settings

SIP Accou	nt ×
Account	Voicemail Topology Presence Storage Transport Advanced
Account n	ame: Hon Bria
Prot	ocol: SIP
Allow th	is account for
✓ Call	
🗸 IM / F	Presence
User Det	tails
	* User ID: 9910
	* Domain: 10.5.11.55
	Password:
Di	splay name: Hon Bria
Authoriz	ation name:

User Details

User ID: Directory number of the Bria softphone **Domain:** IP address of SIP Server Domain

6.6 SIP Configuration for VS Desktop Video Display Station

• Vingtor-Stentofon IP Desktop Video Station - item no. 1408001635

6.6.1 SIP Settings

• Select SIP Configuration > SIP Settings

Main SIP Config	uration Station Administration Advanced SIP	Advanced Network			
Settings	Account Settings				
	Description	Configuration			
	Display Name:	Door 4 floor			
io Settings	Directory Number (SIP ID):	9900			
	Server Domain (SIP):	10.5.11.55			
et Access Key	Backup Domain (SIP):				
angs	Backup Domain 2 (SIP):				
y Settings	Registration Method:	Parallell T			
e Settings	Authentication User Name:	2353			
- 	Authentication Password:				
Settings	Register Interval:	600 (min. 60 seconds)			
o Settings	Outbound Proxy [optional]:	Port: 5060			
at Configuration	Outbound Backup Proxy Iontionall:	Port: 5060			
pt Configuration	Outbound Backup Proxy 2 [optional]:	Port: 5060			
pt Events	Outbound Transport:				
nt Unload	SIP Scheme:	sin V Using sins forces all provies to also use TLS			
propiosa	RTP Encryption:	disabled V			
io Messages	SRTP Crypto Type:	AES_CM_128_HMAC_SHA1_80 V			
ificates	Use Unencrypted SRTCP:				
	Call Settings				
	Description	Configuration			
	Enable Auto Answer:	V			
	Auto Answer Delay:	0 seconds. Max 30 seconds.			
	Press and Hold Time:	0 seconds. Max 60 seconds. Defines how long a DAK			
		key/Input must be pressed before the call is established.			
	Max Ringing Time:	120 How long a call can be ringing before hanging up.			
	Max Conversation Time:	3600 How long a call can be in conversation before hang			
	Max Queued Time:	20 How long a call can be queued before hanging up.			
	Max Queued Calls:	5 How many incoming calls can be queued. Max 5.			
	Dialing Method:	Enbloc Dialing V			
	Enbloc Dialing Timeout:	No Timeout V			
	DTMF method: Conversation Mode:	SIP INFO V			
	PTT Mode:	Mic and sneaker is controlled by DTT button T			
	Remote Controlled Audio Direction:	Received DTMF * to listen, DTMF # to talk, DTMF 0 for a			
	SIP Message Controlled Audio Direction:	(SIP MESSAGE controls audio direction)			
	Boost Volume on Push To Talk:				
	Override Remote Push To Talk:				
	Force Open Duplex Using DTMF:				
	Send DTMF */# with M key:	V			
	PTP Time out uplus	0 seconds 0 = BTR Times it Disabled			

Account Settings

Codec g729: Codec g722:

Codec g711a:

Codec g711u:

Directory Number (SIP ID): Directory number of Turbine Video station

Server Domain (SIP): IP address of the SIP Server

① The values for both these parameters are determined by the system administrator in the SIP server domain.

Medium Priority V

Medium Priority V

High Priority

Low Priority

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- Enter values for the other parameters under Account Settings and Call Settings
- Click Save

6.6.2 Video Settings for Desktop Video Display Station

• Select SIP Configuration > Video Settings

Station Main	SIP Configuration	Station Administration	Advanced SIP	Advanced Network		
▶ SIP Setting	_{gs} Vide	o Settings				
▶ Audio Sett	ings Des	cription		Configu		
 Direct Acce Settings 	ess Key Ena	ble Video:		H20	A RTP @ MJPG HTTP	
▶ Relay Sett	ings Fra	nes per second		15 fps	•	
▶ Time Setti	ngs Can	nera IP address and port:		10.5.10	1.46 8090	
▶ I/O Setting	gs Vide	ble HTTP basic authentica eo setup mode:	Defaul	Default ▼		
🔻 Video Sett	ings			Bolida		
	Adv	anced Settings				
	Des	cription		Configu	iration	
▶ Script Con	figuration Len	s distortion correction:		✓		
Script Ever	nts Nig	ht mode:			_	
▶ Script Uple	Zoo	m [1.00 2.50]x		1		
▶ Audio Mes	sages Cor	or saturation [0 255]:		128		
Certificate:	s Brid	intness (0 255):		128		
	Bac	klight compensation:		2	Ŧ	

• Enter the values shown above for the parameters

Video Mode: Set to MJPG HTTP

Enable Video: Check box to enable video calls

Resolution: Select 240P

Frames per second: Select 15fps

Camera IP address and port: Enter the port number - default is 8090

Video setup mode: Select Default

- The video camera and the Turbine station have the same IP address.
 - The video stream from the camera can be viewed by entering the IP address and port number in a web browser, e.g. **10.5.102.61:8090**
- The same IP address (e.g. 10.5.101.46) and port number (e.g. 8090) set here must be entered into the settings for the Desktop Station described in section "6.6.3 Desktop Video Display Station Settings".
- Click Save
- Click Back to config page

6.6.3 Desktop Video Display Station Settings

The camera of the Turbine Video station has to be set in the video touchscreen of the station. This is done by logging into the video touchscreen of the desktop station interface.

• Tapping anywhere on the LCD touchscreen will show the IP address of the video display part.



• Enter the **Video-IP** address as shown above (e.g. 192.168.45.45) in a web browser to log into the video part of the desktop station.

To log into the video part of the station:

- 1. Enter the default Username: admin
- 2. Enter the default password: alphaadmin

	or Ofon	IP Desktop Video ^{by} BAUDISCH
Firmware-Version: v2.3 MAC-Address: 74-18-F8-80-09-E0	User User Interface Cameras Network System	

Click Cameras

Passcode	
Passcode	(Numbers only)
Camera Types	
Baudisch	:80/mjpg/video.mjpg
AXIS	:80/axis-cgi/mjpg/video.cgi
TCIV	:8090/mjpg/video.mjpg
Camera Allocation <<	< 1 / 80 > >>
Camera Allocation <<	< 1 / 80 > >> FrontDoor
Camera Allocation Camera Allocation	< 1 / 80 > >> FrontDoor 0
Camera Allocation Camera Allocation AlphaCom Node Number AlphaCom Directory Number	< 1 / 80 > >> FrontDoor 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Camera Allocation Camera Allocation	< 1 / 80 > >> FrontDoor 0 0 9900
Camera Allocation Camera Allocation AlphaCom Node Number AlphaCom Directory Number SIP ID Camera IP	FrontDoor 0 0 9900 10.5.101.46
Camera Allocation Camera Allocation AlphaCom Node Number AlphaCom Directory Number SIP ID Camera IP Camera Type	<
Camera Allocation Camera Allocation AlphaCom Node Number AlphaCom Directory Number SIP ID Camera IP Camera Type Camera User	< 1 / 80 > >> FrontDoor 0 0 9900 10.5.101.46 TCIV V
Camera Allocation Camera Allocation AlphaCom Node Number AlphaCom Directory Number SIP ID Camera IP Camera Type Camera User Camera Password	< <p>FrontDoor 0 0 0 9900 10.5.101.46 TCIV</p>
Camera Allocation Camera Allocation AlphaCom Node Number AlphaCom Directory Number SIP ID Camera IP Camera Type Camera User Camera Password Passcode required	FrontDoor 0 >> 9900 10.5.101.46 TCIV •

• Enter values for Camera Types and Camera Allocation as shown

Camera Types

- Define Camera Type for Turbine Video station TCIV by entering URL :8090/mjpg/video.mjpg
- (1) '8090' is the default port number for the camera set in section "6.6.2 Video Settings for Desktop Video Display Station".

Camera Allocation

AlphaCom Node Number : 0 (Not in use for SIP system) AlphaCom Directory Number : 0 (Not in use for SIP system) SIP ID : Directory number of TCIV as specified in section 6.6.1 (e.g. 9900) Camera IP : IP address of TCIV (e.g. 10.5.101.46) Camera Type : TCIV Allocation active? : Check the box to enable video streaming from the camera

• Click Submit settings

7 Pulse Configuration

STENTOFON Pulse is an IP-based intercom system for up to 16 intercom stations. The system works with all STENTOFON IP intercom stations. In Pulse mode, the Turbine Video stations have been tested for use with the following video display phones:

- IP Desktop Station with Video Display (Item Number: 1408001635)
- ITSV-1 Video Phone (Item Number: 1490001010)
- Snom 760 / Snom 821 Video Phone
- Bria Softphone
- ① Configuration of the non-video part of the station such as directory, call and audio settings is described in the manual: A100K11336 Turbine Compact IP Station Getting Started for Pulse.



Figure 7 Pulse Video Intercom System

① It is recommended to NOT use the Turbine Video station as the Pulse Server. In the Pulse system example above, the Desktop Video Display Station is used as the Pulse Server. In order for SIP stations to be registered in the system, the Pulse Server must first install SIP station licenses.

7.1 Logging into the Station

The Turbine Video Station features an embedded web interface, which allows users to log in via a standard web browser.

Access the station by logging into the web interface using a standard web browser:

- 1. Open a web browser
- In the browser's address bar, type the station IP address and press the ENTER key
 The station login page will be displayed.

To log into the station:

- 1. Click Login
- 2. Enter the default User name: admin
- 3. Enter the default password: alphaadmin

	Sector of the		1 1 1 1 1
dare we call it an intercom?	IP-StationWeb		HD PH6 SP PoE 10W
		Secure Login (HTTPS)	
		Unsecure Login (HTTP)	

The **Station Information** page will now be displayed, showing the station settings and status.

7.2 Station Main Settings

Click Station Main > Main Settings to access the page for configuring station mode and IP parameters.

ation Main	SIP Configu	iration	Station Administration	Advanced Network								
 Station In 	formation	Stati	on Mode									
• Main Setti	ngs	O Us	O Use Alphacom									
		0 Us	se Exigo									
		ິ 🔍 ປະ	e SIP									
		🖲 Us	e Pulse									
		O Us	e Pulse Server									
		Prod	luct Model And Acce	essory								
		Mod	lel: Video N	ormal (TCIV-2, TCIV-3)	•							
		IP Se	ettings									
		DHCP	Static IP 🖲									
		IP-a	ddress:		10	- 5	- 101	- 46				
		Sub	net-mask:		255	- 255	- 255	- 0				
		Gat	eway:		10	- 5	- 101	- 1				
		DNS	Server 1:		10	- 5	- 2	- 19				
		DNS	Server 2:		0	- 0	- 0	- 0				
	Hostname:				zenitel	063a41						
		Disa usin	ble Reset to Factory defau g frontboard and I/O:	ılt settings								
		Rea	d IP Address:🕕									
		Ethe	ernet Speed 10 Mbit/s:									

Save

Station Mode

- Select the Use Pulse radio-button
- ① For optimal system operation, it is recommended to NOT use TCIV-x as the 'Pulse Server'.

Product Model And Accessory

Model: Select one of the options from the drop-down box :

- Video Normal (TCIV-2, TCIV-3)
- Video Scrolling Station (TCIV-6)

IP Settings

- Static IP Select this option if the IP station shall use a static IP address. Enter values for:
 - IP-address: IP address of TCIV (e.g. 10.5.101.46)
 - Subnet-mask: Enter subnet mask
 - Gateway: Enter Gateway IP address
 - DNS Server 1 (option for network administration)
 - DNS Server 2 (option for network administration)
 - Hostname (option for network administration)

Read IP Address

- Check the **Read IP Address** box to enable an unregistered station to speak the IP address when the call button is pressed.
- Click **Save** followed by **Apply** to apply the new configuration settings.

7.3 Pulse Configuration for ITSV-1 Video Phone

• Vingtor-Stentofon ITSV-1 Video Phone - item no. 1490001010

7.3.1 SIP Settings

• Select SIP Configuration > SIP Settings

Station Main SIP Config	guration Station Administration Advanced Netw	vork
▼ SIP Settings	Account Settings	
	Description	Configuration
	Display Name:	video-turbine2
▶ Audio Settings	Directory Number (SIP ID):	888
Direct Access Key	Server Domain (SIP):	10.5.2.114
Settings	Backup Domain (SIP):	
▶ Relay Settings	Backup Domain 2 (SIP):	
h Time Settings	Authentication User Name:	888
Finne Settings	Authentication Password:	
▶ I/O Settings	Register Interval:	600 (min. 60 seconds)
Video Settings		
 Script Configuration 	Call Settings	
 Script Events 	Description	Configuration
Script Upload	Enable Auto Answer:	✓
y Script Opload	Auto Answer Delay:	0 seconds. Max 30 seconds.
Audio Messages	Press and Hold Time:	0 seconds. Max 60 seconds. Defines how long a DAK kev/Input must be pressed before the call is established.
, certificates	Max Ringing Time:	120 How long a call can be ringing before hanging up.
	Max Conversation Time:	3600 How long a call can be in conversation before hanging up.
	Max Queued Time:	20 How long a call can be queued before hanging up.
	Max Queued Calls:	5 How many incoming calls can be queued. Max 5.
	Conversation Mode:	Full Open Duplex 🔻
	PTT Mode:	Mic and speaker is controlled by PTT button 🔻
	Boost Volume on Push To Talk:	
	Override Remote Push To Talk:	
	Force Open Duplex Using DTMF:	- 7
	Send DTMF */# with M key:	
	Codec g729:	Medium Priority 🔻
	Codec g722:	High Priority
	Codec g711a:	Medium Priority 🔻
	Codec a711u:	Low Priority

Account Settings

Directory Number (SIP ID): directory number of Turbine Video station

Server Domain (SIP): IP address of intercom station set up as Pulse Server

- Click Save
- Click Back to config page

7.3.2 Third Party SIP Terminals

- ① To configure third-party SIP terminals, you need to log into the station that has been set up as the Pulse Server.
- Select Server Management > Server Configuration > Directory Settings

Station Main S	IP Configuration	Station Admi	nistration	Server Manag	ement						
▶ Server Monito	ring	Directory 9	Settings								
▼ Server Config	uration	STENTOF	ON Static	ons							
		Directory Number	Name		Passwor	d	DHCP / Sta	tic IP		Station Profile	
 Directory Se Call and Audio Direct Access 	Settings Key	888	video-t	urbine2			✔ 169.2	254.1.10	0	Default	~
 Settings System Settin 	igs					Refresh		Save		Apply	
▶ Ringlist		Note! Subne	t-mask an	d gateway for a	II STENTOF	ON Statio	ons are set	to be the	same as	this station's	configurati
Station Profile	15	Third Party	SIP Ter	minals							
▶ Group Call		Directory Number	Name		Profile		Password	a l			
▶ Software Upg	rade				Default	~			Add		
		999	ITSV-1		Default	~			Delete	е	
					Save	e					

Under Third Party SIP Terminals:

- Enter the Directory Number and Name of the ITSV-1 Video Phone
- Click Add and Save

Under STENTOFON Stations:

- Click Apply
 - This will reboot all the stations in the Pulse system

7.3.3 Video Settings for ITSV-1

• Select SIP Configuration > Video Settings

Station Main SIP Configuration		Station Administration	Advanced Network				
► SIP Setting	gs Vide	o Settings					
▶ Audio Sett	ings Vide	scription	Configuration	Configuration			
Direct Acc	ess Key Ena	ble Video:	o mode. ole Video:				
▶ Relay Setti	ings Erg	olution:		480P V			
▶ Time Setti	ngs Bitra	ate:		1000 kb/s ▼	1000 kb/s T		
▶ I/O Setting	gs	eo setup mode:		Default 🔻			
🝷 Video Sett	ings Adva	anced Settings					
	Des	cription		Configuration			
► Script Con	figuration Nigl	ht mode:					
▹ Script Even	nts	m [1.00 2.50]x		1			
▹ Script Uple	Dad Con	or saturation [0 255]:		128			
▶ Audio Mes	 Audio Messages Brightness [0 255]: 			128			
▶ Certificate:	s Bac	klight compensation:		2 🔻			
		Save					

• Enter the values shown above for the parameters

Video Mode: Set to H264 RTP Enable Video: Check box to enable video calls Resolution: Select 480P Frames per second: Select 15fps Bitrate: Select 1000 kb/s Video setup mode: Select Default

- Click Save
- Click Back to config page

7.3.4 Direct Access Key Settings

• Select SIP Configuration > Direct Access Key Settings

Station Main	SIP Configuration	Station Administration	Advanced Network			
▶ SIP Setting	gs Direc	t Access Key Settin	gs			
Audia Catti	inas		Function			_
P Audio Sett	nigs DAK	1	Idle: Call To	•	999	No Ringlist 🔻
Settings	ESS KEY DAK		Call: Do Nothing	٣		
	Inpu	11	Idle: Call To	۲		No Ringlist ▼
▶ Relay Setti	ings		Call: Do Nothing	۲		
▶ Time Settin	ngs Inpu	t 2	Idle: Call To	•		No Ringlist 🔻
▶ I/O Setting	js		Call: Do Nothing	•		
▶ Video Setti	ings Inpu	t 3	Idle: Call To	•		No Ringlist 🔻
▶ Script Conf	figuration		Call: Do Nothing	•		
▶ Script Ever	nts Inpu	t 4	Idle: Call To	•		No Ringlist 🔻
▹ Script Uplo	ad		Call: Do Nothing	•		

(i) This feature applies to TCIV-2 and TCIV-3 only

(i) See A100K11194 Turbine IP Stations Technical Manual for the configuration and import of an Address Book for TCIV-6.

To set up the call key on the Turbine station to call the ITSV-1 Video Phone directly:

- Enter the directory number of the ITSV-1 Video Phone in the Value field for Direct Access Key 1
- In this example, the directory number of the ITSV-1 Video Phone is 999
- Click Save

7.3.5 ITSV-1 Phone Settings

• Log into the ITSV-1 phone interface by entering its IP address in a browser on your PC

IT IP Touch St	SV-1 tation with Vi	deo	
Username Password Language	admin ∙∙∙∙∙ English ∨	Login	

Login Credentials

Username: admin

Password: alphaadmin

7.3.5.1 ITSV-1 Account Setup

• Select Account > Account 1 > General Settings

	Status	Account	Advanced	Settings	Maintenance		En
General Settings		Account 1	Account 2	Account 3	Account 4	Account 5	Account 6
Network Settings							
SIP Settings			Account Active	e :	🗹 Yes		
Codec Settings			Account Name	91	Pulse		
Call Settings			SIP Serve	r:	10.5.2.114		
			SIP User IE):	999		
		SIP A	uthentication ID):	999		
		SIP Authentio	cation Password	1:			
		Voice Mail	Access Numbe	r:			
			Name	e :	ITSV-1		
		Show Acc	ount Name Only	/:	□ Yes		
			Tel UR	1:	Disable	D	
					Save	Cancel	

• Enter the values shown above for the parameters

Account Active: Check Yes box SIP Server: IP address of intercom station set as Pulse Server SIP User ID: Directory Number of the ITSV-1 phone SIP Authentication ID: Same as SIP User ID

7.3.5.2 ITSV-1 Video Configuration

The video is streamed directly from the TCIV camera to the ITSV-1. The TCIV camera must have a static IP address.

• Select Account 1 > Call Settings

	Status	Account	Advanced	l Settings	Maintenance		Englis
General Settings		Account 1	Account 2	Account 3	Account 4	Account 5	Account 6
Network Settings							
SIP Settings		Start Vide	o Automatical	y :	🗹 Yes		
Codec Settings			Video Layou	ut :	Default	E)
Call Settings		Remote	Video Reques	st :	Prompt	E	

• Click the Yes box for Start Video Automatically

7.3.6 Verifying Registration of ITSV-1

When the configuration for both the Turbine Video station and the ITSV-1 phone has been done, verify that the they're both registered in the Pulse system.

- ① To verify station registration, you need to log into the station that has been set up as the Pulse Server.
- Select Server Management > Server Monitoring

Station Main	SIP Configuration	Station Administrat	ion Server Management	:			
Server More	nitoring	Station Director	гy				
		Directory Number	Name	Status	IP Address	Station Profile	Terminal Type
		888	video-turbine2	Registered	192.16.1.20	Default	STENTOFON Station
Server Cor	nfiguration	999	ITSV-1	Registered	192.16.1.21	Default	3rd Party SIP Terminal

Now you should be able to:

- Call the ITSV-1 phone directly by pressing the call key on the Turbine Video station
- Call the Turbine Video station by dialing its number (e.g. 888) on the ITSV-1 phone

7.4 Pulse Configuration for Bria Softphone

7.4.1 SIP Settings

• Select SIP Configuration > SIP Settings

tation Main	SIP Configuration	Station Administration	Advanced Network			
▼ SIP Settin	as Acc	ount Settings				
	De	scription		Configu	iration	
	Dis	play Name:		video-tu	urbine2	
▶ Audio Sett	tings Dire	ectory Number (SIP ID):		800		
Direct Acc	Ser	ver Domain (SIP):		10.5.2.1	114]
Settings	Ba	ckup Domain (SIP):				
▶ Relay Sett	ings Bac	ckup Domain 2 (SIP):				
) Time Catti	Aut	thentication User Name:		800		
Filme Setti	Aut	thentication Password:				
▶ I/O Settin	gs Reg	gister Interval:		600		(min. 60 seconds)
▹ Video Sett	tings					
▹ Script Con	figuration Call	Settings				
▹ Script Eve	nts De	scription		Configu	iration	
▶ Script Uple	Ena	able Auto Answer:		1		
· Script Opi	A	uto Answer Delay:		0	seconds. Max 30 s	econds.
▶ Audio Mes	Pre	ss and Hold Time:		0	seconds. Max 60 seco	onds. Defines how long a DAK
▹ Certificate	S	v Ringing Time:		120	How long a call can l	ne me can is established.
	Ma	x Conversation Time:		2600	Hew long a call can t	be in conversation before benging up.
	Ma	x Quoued Time:		3000	How long a call can t	be in conversation before hanging up.
	Ma	x Queued Caller		20	How long a call call i	be queded before hanging up.
	Ma.	x Queueu Calls:		5	How many incoming ca	alls can be queued. Max 5.
	Col	TT Mode:		Full Op	d opeaker is controlle	d by DTT button 🔻
	Bo	ost Volume on Dush To Talk	r.		u speaker is controlle	
	01	erride Remote Push To Talk		•		
	F	orce Open Duplex Using DTMF:	•	- *		
	Ser	nd DTMF */# with M key:		1		
	Coc	lec g729:		Mediur	n Priority 🔻	
	Cod	lec g722:		High P	riority 🔻	
	Cod	iec g711a:		Mediur	n Priority 🔻	
	Cod	lec g711u:		Low Pr	iority 🔻	

Account Settings

Directory Number (SIP ID): directory number of Turbine Video station

Server Domain (SIP): IP address of station set up as Pulse Server

- Click Save
- Click Back to config page

7.4.2 Video Settings for Bria Softphone

• Select SIP Configuration > Video Settings

Station Main	SIP Configuration	Station Administration	Advanced Network		
▶ SIP Setting	_{gs} Vide	eo Settings			
Audio Sett	De	scription		Configuration	
P Addio Sett	Vid	eo mode:		H264 RTP	MJPG HTTP
Direct Acce	ess Key Ena	able Video:			
Settings	Res	solution:		480P 🔻	
▶ Relay Setti	ings Fra	mes per second		15 fps 🔻	
→ Time Setti	ngs Bitr	rate:	1000 kb/s 🔻		
▶ I/O Setting	Js	eo setup mode:		Default 🔻	
👻 Video Sett	ings Adv	anced Settings			
	Des	scription		Configuration	
	Ler	is distortion correction:			
► Script Con	figuration Nig	ht mode:			
▹ Script Ever	nts Zoo	om [1.00 2.50]x		1	
	Col	or saturation [0 255]:		128	
Script Uplo	Col	ntrast [0 255]:		128	
► Audio Mess	sages Brig	ghtness [0 255]:		128	
Certificates	s Bao	klight compensation:		2 🔻	

• Enter the values shown above for the parameters

Video Mode: Set to H264 RTP Enable Video: Check box to enable video calls Resolution: Select 480P Frames per second: Select 15fps Bitrate: Select 1000 kb/s Video setup mode: Select Default Video Mode: Set to H.264 RTP

- Click Save
- Click Back to config page

7.4.3 Direct Access Key Settings

• Select SIP Configuration > Direct Access Key Settings

Station Main	SIP Configuration	Station Administration	Advanced Network			
▶ SIP Setting	_{gs} Direc	t Access Key Settin	gs			
► Audio Sett	ings		Function			_
Direct Acc		4	Idle: Call To	•	801	No Ringlist V
Settings	ESS REY		Call: Do Nothing	T		
	Innu		Idle: Call To	•		No Ringlist V
▶ Relav Sett	inpu		Call: Do Nothing	٣		
▶ Time Setti	ngs Inpu	t 2	Idle: Call To	۲		No Ringlist V
▶ I/O Setting	js inpu		Call: Do Nothing	T		
▶ Video Sett	ings Inpu	t 3	Idle: Call To	۲		No Ringlist ▼
▶ Script Con	figuration		Call: Do Nothing	٣		
► Script Eve	nts Inpu	t 4	Idle: Call To	T		No Ringlist v
			Call: Do Nothing			

This feature applies to TCIV-2 and TCIV-3 only

③ See Turbine Configuration Manual for the configuration and import of an Address Book for TCIV-6.

To set up the call key on the Turbine station to call the Bria softphone directly:

- Enter the directory number of the Bria softphone in the Value field for Direct Access Key 1
 In this example, the directory number of the Bria softphone is 801
- Click Save

7.4.4 Third-Party SIP Terminals

- ① To configure third-party SIP terminals, you need to log into the station that has been set up as the Pulse Server.
- Select Server Management > Server Configuration > Directory Settings

Under Third Party SIP Terminals:

Third Party SIP Terminals

Directory Number	Name	Profile	Password	
		Default	✓	Add
801	Hon Bria	Default	▼	Delete
		Save		

- Enter the Directory Number and Name of the Bria softphone
- Click Add and Save

Under STENTOFON Stations:

- Click Apply
 - This will reboot all the stations in the Pulse system

7.4.5 Bria Softphone Configuration

• Start the Bria softphone application on your PC

Video Codecs

• Select Softphone > Preferences > Video Codecs



• Enable codec H.264

Account Settings

• Select Softphone > Account Settings

SIP Account	× ×
Account V	oicemail Topology Presence Storage Transport Advanced
Account nar	ne: Hon Bria
Protoc	col: SIP
Allow this	account for
✓ Call	
🖌 IM / Pre	sence
User Detai	ls
	* User ID: 801
,	⁶ Domain: 10.5.2.134
	Password:
Disp	lay name:
Authorizati	on name:

User Details

User ID: Directory number of Bria softphone

Domain: IP address of intercom station set as Pulse Server

7.4.6 Verifying Registration of Bria Softphone

When the configuration for both the Turbine Video station and the Bria softphone has been done, verify that they're both registered in the Pulse system.

- ① To verify station registration, you need to log into the station that has been set up as the Pulse Server.
- Select Server Management > Server Monitoring

Station Main	SIP Configuration	Station Administr	ation Server Managemen	t			
 Server Mor 	nitoring	Station Direct	огу				
		Directory Number	Name	Status	IP Address	Station Profile	Terminal Type
		10		Registered	10.5.2.114	Default	STENTOFON Station
Server Con	figuration	11	wadaw	Registered	10.5.2.171	Default	STENTOFON Station
a me tra		800	video-turbine2	Registered	10.5.2.134	Default	STENTOFON Station
▶ Kinglist		801	Hon Bria	Registered	10.5.2.160	Default	3rd Party SIP Terminal
Station Pro	ofiles						
♦ Group Call							
Image: Northware U	Ipgrade						

Now you should be able to:

- Call the Bria softphone directly by pressing the call key on the Turbine Video station
- Call the Turbine Video station by dialing its number (e.g. 800) on the Bria softphone

To stream the video, you have to activate the video display on the Bria softphone.

7.5 Pulse Configuration for Snom Video Phone

• Snom Video Phone models: Snom 760 / Snom 821

7.5.1 SIP Settings

• Select SIP Configuration > SIP Settings

Station Main SIP Config	guration Station Administration	Advanced Network			
▼ SIP Settings	Account Settings				
	Description		Configu	ration	
	Display Name:		video-tu	ırbine2	
▶ Audio Settings	Directory Number (SIP ID):		800]
Direct Access Key	Server Domain (SIP):		10.5.2.1	114	
Settings	Backup Domain (SIP):				
▶ Relay Settings	Backup Domain 2 (SIP):				
▶ Time Settings	Authentication User Name:		800		
· · · · ·	Authentication Password:				
▶ I/O Settings	Register Interval:		600		(min. 60 seconds)
Video Settings					
▶ Script Configuration	Call Settings				
Script Events	Description		Configu	ration	
Script Upload	Enable Auto Answer:		1		
	Auto Answer Delay:		0	seconds. Max 30 se	econds.
Audio Messages	Press and Hold Time:		0	seconds. Max 60 seco	nds. Defines how long a DAK
 Certificates 			key/Inpu	t must be pressed befo	re the call is established.
	Max Ringing Time:		120	How long a call can b	be ringing before hanging up.
	Max Conversation Time:		3600	How long a call can b	be in conversation before hanging up.
	Max Queued Time:		20	How long a call can b	e queued before hanging up.
	Max Queued Calls:		5	How many incoming ca	alls can be queued. Max 5.
	Conversation Mode:		Full Op	en Duplex 🔹	

Account Settings

Directory Number (SIP ID): directory number of Turbine Video station **Server Domain (SIP):** IP address of station set up as Pulse Server

- Click Save
- Click Back to config page

7.5.2 Video Settings for Snom Phone

• Select SIP Configuration > Video Settings

Station Main	SIP Configuration	Station Administration	Advanced Network		
▶ SIP Setting	_{gs} Vide	o Settings			
▶ Audio Sett	Des	cription		Configuration	
	Vide	eo mode:		H264 RTF I MJI	PG HTTP
Direct Acc	ess Key Ena	ble Video:			
Sectings	Res	olution:		240P 🔻	
▶ Relay Sett	ings Frai	mes per second		15 fps 💌	
Time Settings Camera IP address and port:				10.5.101.46 8090	
Enab		ble HTTP basic authentica	tion:		
, 1,0 0 detaini	Vide	eo setup mode:		Default 🔻	
 Video Sett 	ings				
	Adv	anced Settings			
	Des	scription		Configuration	
Script Con	figuration Len	s distortion correction:			
▹ Script Ever	nts	ht mode:			
. Control Hole	Zoo	m [1.00 2.50]x		1	
Script Upic	Col	lor saturation [0 255]:		128	
▶ Audio Mes	sages Con	trast [0 255]:		128	
▶ Certificate	s Brig	htness [0 255]:		128	
	Bac	klight compensation:		2 🔹	

• Enter the values shown above for the parameters

Video Mode: Set to MJPG HTTP

Enable Video: Check box to enable video calls

Resolution: Select 240P

Frames per second: Select 15fps

Camera IP address and port: Enter the port number - default is 8090

Video setup mode: Select Default

Camera IP address and port: Enter the port number - default is 8090

① The video camera and the Turbine station have the same IP address.

- The video stream from the camera can be viewed by entering the IP address and port number in a web browser, e.g. **10.5.101.46:8090**
- ① The same IP address and port number set here must be entered into the settings for the Snom Phone described in section "7.5.5 Snom Phone Settings".
- Click Save
- Click Back to config page

7.5.3 Direct Access Key Settings

• Select SIP Configuration > Direct Access Key Settings

Station Main	SIP Configuration	Station Administration	Advanced Network		
▶ SIP Settin	_{gs} Direc	ct Access Key Settin	gs		
Audio Sett	ings		Function		_
Direct Acc		(1	Idle: Call To	802	No Ringlist v
Settings			Call: Do Nothing	•	
	Inn	it 1	Idle: Call To	·	No Ringlist 🔻
▶ Relay Sett	ings		Call: Do Nothing	•	
▶ Time Setti	ngs Inpu	it 2	Idle: Call To	•	No Ringlist v
▶ I/O Settin	js		Call: Do Nothing	•	
▶ Video Sett	ings Inpu	it 3	Idle: Call To		No Ringlist 🔻
▹ Script Con	figuration		Call: Do Nothing	•	
▹ Script Eve	nts Inpu	ıt 4	Idle: Call To		No Ringlist *
▶ Script Uple	ad		Call: Do Nothing	*	

- ① This feature applies to TCIV-2 and TCIV-3 only
- ① See Turbine Configuration Manual for the configuration and import of an Address Book for TCIV-6.

To set up the call key on the Turbine station to call the Snom Video Phone directly:

- Enter the directory number of the Snom Video Phone in the Value field for Direct Access Key
 1
 - In this example, the directory number of the Snom Video Phone is 802
- Click Save

7.5.4 Third Party SIP Terminals

- ① To configure third-party SIP terminals, you need to log into the station that has been set up as the Pulse Server.
- Select Server Management > Server Configuration > Directory Settings

Under Third Party SIP Terminals:

Third Party SIP Terminals

Directory Number	Name	Profile	Password	
		Default 🗸		Add
802	Hon Snom	Default 🗸		Delete
		Save		

- Enter the **Directory Number** and **Name** of the Snom Video Phone
- Click Add and Save

Under STENTOFON Stations:

- Click Apply
 - This will reboot all the stations in the Pulse system

7.5.5 Snom Phone Settings

• Log into the Snom phone interface by entering its IP address in a browser on your PC

Directory Setup

• Select Operation > Directory

Direc	tory			V
Operation Home Directory Setup	⑦ Directory Name:	Number:	Contact Type:	Outgoing
Preferences	800 <- active identity	800	None	Active
Speed Dial				
Identity 1				
Identity 2	Add on Edit Entern			
Identity 3	Add or Edit Entry	800		
Identity 4	Number:	000		
Identity 5	Number Type:	sip	<u> </u>	
Identity 6	Contact Type:	None	e 🗸	
Identity 7	Outgoing Identity:	Activ	/e 🗸]
Identity 8	Group:	Non		-
Identity 9	Group.	INOIR	•	
Identity 10	Title:			
Identity 11	Organization:			
Identity 12	Emails			
Action URL Settings	Email:			
Advanced	Note:			
Certificates	Photo:		Br	owee
Software Update			40.5.2.424/0000/-	
Status	Action-Url:	nπp://	10.5.2.134:8090/s	noma.cgi
System Information	Nickname:			
	First Name:			
DNC Casha	Family Name:			
Subscriptions	Birthday:			
oubscriptions				

• Enter the values shown above for the parameters

Number: Directory number of the Turbine Video station

Action-Url: http://<IP address of Turbine Video station>:<port no.>/snoma.cgi

- in this example: http://10.5.2.134:8090/snoma.cgi

Configuration Identity

• Select Setup > Identity 1 > Login

Confi	guration Identity 1	VERSION
Operation Home Directory Setup	Login Features SIP NAT R Login Information:	TP C
Preferences	Identity active:	●on ○off ?
Speed Dial	Displayname:	Snom
Function Keys	Account:	802
Identity 1		002
Identity 2	Password:	••••••
Identity 3	Registrar:	10.5.2.134
Identity 4	Outbound Proxy:	?
Identity 5		
Identity 6	Failover Identity:	None V
Identity 7	Authentication Username:	(?)
Identity 8	Mailbox:	(?)
Identity 9		
Identity 10	Ringtone:	Ringer 1 V
Identity 11	Custom Melody URL:	?
Identity 12	Display text for idle screen:	(?)
Action URL Settings		
Advanced	XML Idle Screen URL:	
Certificates	Ring After Delay (sec):	(?)

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• Enter the values shown above for the parameters

Account: Directory number of the Snom phone, e.g. 802

Registrar: IP address of intercom station set as Pulse Server, e.g. 10.5.2.134

7.5.6 Verifying Registration of Snom Video Phone

When the configuration for both the Turbine Video station and the Bria softphone has been done, verify that the they're both registered in the Pulse system.

- ① To verify station registration, you need to log into the station that has been set up as the Pulse Server.
- Select Server Management > Server Monitoring

Station Main	SIP Configuration	Station Administration	Server Management				
▼ Server Mo	nitoring	Station Directory					
		Directory Na Number	ime	Status	IP Address	Station Profile	Terminal Type
		10	F	Registered	10.5.2.114	Default	STENTOFON Station
Server Cor	nfiguration	11 wa	daw F	Registered	10.5.2.171	Default	STENTOFON Station
		800 vid	leo-turbine2 F	Registered	10.5.2.134	Default	STENTOFON Station
▶ Ringlist		802 Ho	n Snom F	Registered	10.5.2.158	Default	3rd Party SIP Terminal
▶ Station Pro	ofiles						

Now you should be able to:

- Call the Snom phone directly by pressing the call key on the Turbine Video station
- Call the Turbine Video station by dialing its number (e.g. 800) on the Snom phone

7.6 Pulse Configuration for VS Desktop Video Display Station

• Vingtor-Stentofon IP Desktop Video Station - item no. 1408001635

7.6.1 SIP Settings

Select SIP Configuration > SIP Settings
 Station Main SIP Configuration Station Administration

IP Settings	Account Settings		
	Description	Configuration	
	Display Name:	video-turbine2	
udio Settings	Directory Number (SIP ID):	800	
irect Access Key	Server Domain (SIP):	10.5.2.114	
ettings	Backup Domain (SIP):		
elay Settings	Backup Domain 2 (SIP):		
	Authentication User Name:	800	
me Settings	Authentication Password:		
O Settings	Register Interval:	60 (Minimum 60 seconds)	
ideo Settings			
cript Configuration	Call Settings		
rint Events	Description	Configuration	
cript Events	Enable Auto Answer:	×	
cript Upload	Auto Answer Delay:	0 seconds. Max 30 seconds.	
	Delay Call Setup:	0 seconds. Max 60 seconds. Delays call setup using buttons.	DA
	Max Ringing Time:	120 seconds. How long a call can be ringing before ha	ngin
	Max Conversation Time:	3600 seconds. How long a call can be in conversation be hanging up. (0 = disable timeout)	efor
	Max Queued Time:	20 seconds. How long a call can be queued before ha	angii
	Send DTMF */# with M key:	Image: A start of the start	

Account Settings

Directory Number (SIP ID): directory number of Turbine Video station **Server Domain (SIP):** IP address of station set up as Pulse Server

- Click Save
- Click Back to config page

7.6.2 Video Settings for Desktop Video Display Station

• Select SIP Configuration > Video Settings

Station Main SIP Config	guration Station Administration	Advanced Network	
▶ SIP Settings	Video Settings		
▶ Audio Settinas	Description		Configuration
	Video mode:		H264 RTP INDED HTTP
Direct Access Key	Enable Video:		•
occungs	Resolution:		240P 🔻
Relay Settings	Frames per second		15 fps 🔻
▶ Time Settings	Camera IP address and port:		10.5.101.46 8090
▶ I/O Settings	Enable HTTP basic authentic	ation:	
F 1/0 Octaings	Video setup mode:		Default 🔻
 Video Settings 			
	Advanced Settings		
L	Description		Configuration
 Script Configuration 	Lens distortion correction:		•
Script Events	Night mode:		
	Zoom [1.00 2.50]x		1
▶ Script Upload	Color saturation [0 255]:		128
Audio Messages	Contrast [0 255]:		128
▶ Certificates	Brightness [0 255]:		128
	Backlight compensation:		2 •

• Enter the values shown above for the parameters

Video Mode: Set to MJPG HTTP

Enable Video: Check box to enable video calls

Resolution: Select 240P

Frames per second: Select 15fps

Camera IP address and port: Enter the port number - default is 8090

Video setup mode: Select Default

Camera IP address and port: Enter the port number - default is 8090

- ① The video camera and the Turbine station have the same IP address.
 - The video stream from the camera can be viewed by entering the IP address and port number in a web browser, e.g. **10.5.101.46:8090**
- The same IP address (e.g. 10.5.101.46) and port number (e.g. 8090) set here must be entered into the settings for the Desktop Video Display Station described in section "7.6.4 Desktop Video Display Station Settings".
- Click Save
- Click Back to config page

7.6.3 Direct Access Key Settings

• Select SIP Configuration > Direct Access Key Settings

Station Main	SIP Configurat	tion Sta	ation Administration	Advanced N	Network			
► SIP Settin	gs	Direct Ac	cess Key Settin	gs				
► Audio Sett	ings			Functio	n			
Pinet Ar	anga	DAK 1		Idle: Ca	all To	۲	802	No Ringlist
Settings	ess key	DAKT		Call: D	o Nothing	۲		
		Input 1		Idle: Ca	all To	۲		No Ringlist
▶ Relay Sett	ings	input i		Call: D	o Nothing	•		
▶ Time Setti	ngs	Innut 2		Idle: Ca	all To	۲		No Ringlist
▶ I/O Setting	gs			Call: D	o Nothing	7		
▶ Video Sett	ings	Input 3		Idle: Ca	all To	۲		No Ringlist
Script Con	figuration			Call: D	o Nothing	•		
▹ Script Eve	nts	Input 4		Idle: Ca	all To	•		No Ringlist
 Script Uple 	heo			Call: D	o Nothing	•		

- ① This feature applies to TCIV-2 and TCIV-3 only
- ① See Turbine Configuration Manual for the configuration and import of an Address Book for TCIV-6.

To set up the call key on the Turbine station to call the Desktop Video Display Station directly:

- Enter the directory number of the Desktop Video Display Station in the Value field for Direct Access Key 1
 - In this example, the directory number of the Desktop Video Display Station is 802
- Click Save

7.6.4 Desktop Video Display Station Settings

The camera of the Turbine Video station has to be set in the video touchscreen of the station. This is done by logging into the video touchscreen of the desktop station interface.

• Tapping anywhere on the LCD touchscreen will show the IP address of the video display part.



• Enter the **Video-IP** address as shown above (e.g. 192.168.45.45) in a web browser to log into the video part of the desktop station.

To log into the video part of the station:

- 1. Enter the default Username: **admin**
- 2. Enter the default password: alphaadmin

√ S	INGT TENT	OR Ofon	IP Desktop Video ^{by} BAUDISCH
	$ \begin{array}{c} 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	 > User > User Interface > Cameras > Network > System 	
Firmware-Version: v. MAC-Address: 7	2.3 4-19-F8-60-09-E0		
Requirements: J:	avaScript		

• Click Cameras

Passcode	
Passcode	(Numbers only)
Camera Types	
Baudisch	:80/mjpg/video.mjpg
AXIS	:80/axis-cgi/mjpg/video.cgi
TCIV	:8090/mjpg/video.mjpg
Camera Allocation	
Camera Allocation	< 1 / 80 > >> FrontDoor
Camera Allocation	< 1 / 80 > >> FrontDoor 0
Camera Allocation Camera Allocation Name AlphaCom Node Number AlphaCom Directory Number	< 1 / 80 > >> FrontDoor 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Camera Allocation Camera Allocation AlphaCom Node Number AlphaCom Directory Number SIP ID	FrontDoor
Camera Allocation Camera Allocation Name AlphaCom Node Number AlphaCom Directory Number SIP ID Camera IP	FrontDoor
Camera Allocation Camera Allocation Name AlphaCom Node Number AlphaCom Directory Number SIP ID Camera IP Camera Type	FrontDoor
Camera Allocation Camera Allocation AlphaCom Node Number AlphaCom Directory Number SIP ID Camera IP Camera Type Camera User	FrontDoor
Camera Allocation Camera Allocation AlphaCom Node Number AlphaCom Directory Number SIP ID Camera IP Camera Type Camera User Camera Password	FrontDoor
Camera Allocation Camera Allocation AlphaCom Node Number AlphaCom Directory Number SIP ID Camera IP Camera Type Camera User Camera Password Passcode required	 < 1 / 80 > > FrontDoor 0 0 0 0 10.5.101.46 TCIV ▼ □

Enter values for Camera Types and Camera Allocation as shown

Camera Types

- Define Camera Type for Turbine Video station TCIV by entering URL :8090/mjpg/video.mjpg
- (1) '8090' is the default port number for the camera set in section "7.6.2 Video Settings for Desktop Video Display Station".

Camera Allocation

AlphaCom Node Number : 0 (Not in use for Pulse system)

AlphaCom Directory Number : 0 (Not in use for Pulse system) SIP ID : Directory number of TCIV as specified in section 7.6.1 (e.g. 800) Camera IP : IP address of TCIV (e.g. 10.5.101.46)

Camera Type : TCIV

Allocation active? : Check the box to enable video streaming from the camera

• Click Submit settings

8.1 LEDs on Front Plate

Status LEDs

- Bell icon lights yellow when a call is placed and ringing
- Talk icon lights green when a call is active and in conversation
- Door icon lights red when the door is unlocked or relay is active



Talk Icon: Flashing at 1 second intervals

- Station has no connection to the AlphaCom server/exchange. **Possible reasons**:
- No connection to Ethernet
- Wrong AlphaCom XE IP address configured
- Invalid IP address
- No gateway or wrong gateway to the AlphaCom server/exchange



Talk Icon: Flashing at 5 second intervals

- Station connected but NOT registered in the AlphaCom server/exchange. **Reason**:
- Station has not been programmed in AlphaPro

9 Restoring Factory Defaults

A Turbine IP Station may have to be reset to its original factory default settings if, for instance, the password to the station web interface is forgotten. The defaults can either be set to Activated DHCP or Static IP.

9.1 Reset to Factory Default Settings with Activated DHCP

To reset:



- 1. While **pressing any button**, power up the station by connecting to a PoE switch.
- 2. Hold the button until the station audio starts counting, and release the button on **count 1**.
- 3. Press and hold the button on count 5 and release on count 0.
 if there is no 0 count, the procedure has failed and you have to start again
- 4. Press the **call button** to make the station speak its IP address.

Factory default values

Station IP address: (determined by DHCP server) Username: **admin** Password: **alphaadmin**

9.2 Reset to Factory Default Settings with Static IP

To reset:



- 1. While **pressing any button**, power up the station by connecting to a PoE switch.
- 2. Hold the button until the station audio starts counting, and release the button on **count 1**.
- 3. Press and hold the button on count 3 and release on count 0.
 if there is no 0 count, the procedure has failed and you have to start again
- 4. Press the **call button** to make the station speak its IP address.

Factory default values

Station IP address: **169.254.1.100** Username: **admin** Password: **alphaadmin**



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This 'end of life' WEEE should be recycled appropriately by the owner who should use proper treatment and recycling measures. It should not be disposed to landfill.

Many electrical items that we throw away can be repaired or recycled. Recycling items helps to save our natural finite resources and also reduces the environmental and health risks associated with sending electrical goods to landfill.



Under the WEEE Regulations, all new electrical goods should now be marked with the crossed-out wheeled bin symbol shown.

Goods are marked with this symbol to show that they were produced after 13th August 2005, and should be disposed of separately from normal household waste so that they can be recycled.



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