

Integration with Milestone

About This Manual

This instruction provides integration scenario, topology and all functions' configurations between Akuvox doorphone and Milestone system. This manual is available for Akuvox doorphone R27-V1, 27.31.105.138 now.

Content

1. Integration Topology	3
2. System Application & Deployment scenarios	3
3. Adding the Akuvox doorphone to the Milestone server	4
3.1. How to configure Akuvox doorphone	4
3.2. How to setup Milestone VMS system	4
4. How to control outputs and monitor	9



1. Integration Topology

Data exchanges between milestone system and Akuvox door phone can be achieved through IP based network. The milestone system in this solution refers to a set of software installed in a computer, which includes Management Client application and XProtect Smart Client application.



2. System Application & Deployment scenarios

2.1 In addition to the door phone installation, installers is required to connect internet to the computer which is installed with XProtect software.

2. Maintenance staff can obtain video stream, Input status and relay status using Management Client application, and then configure the video parameters such as resolution, FPS and relay parameters.

2.3 Monitoring staff can check the video using the XProtect Smart Client.



3. Adding the Akuvox doorphone to the Milestone server

3.1. How to configure Akuvox doorphone

Set up the Onvif in Akuvox door phone as "Discoverable".

Turn on RTSP server and set the codec to H.264 format.

3.2. How to setup Milestone VMS system

 On the side of Milestone server go to section "Servers->Recording servers". Right click on your recording server and click to select "Add Hardware" (if server is not authorized yet, then you have to click on "Authorize first")

Milestone XProtect Management Client 2019	9 R2	– a ×
File Edit View Action Tools Help		
8 7 0 • M		
Site Navigation 🗸 🛛 🗙	Becarding Server 🗸 🗸	freperties 🔹 🗸
□ ↓ 1052ETOF-CFUNCOO = (13.24)	🗄 🗊 Deterding Survers	Beererding surver information.
Ilizanta Information	Add Hardware Ctrl+N	Sas:
12 Site Information	Move Hardware	DESITOP-CFM000
Renote Connect Services	Delate All Hardware	Bescription:
Axis One-click Camera Connectio	Delete Al Pardware	· · · · · · · · · · · · · · · · · · ·
- Servers	Change Hardware Password	
Becording Servers	Rename Recording Server F2	
1 Failover Servers	Bemove Recording Server	×
Mobile Servers		Nost name
- C Derices	Ketresh P5	DBSBT07-CPMBC00
- "D Concres		Local web nerver address:
Parter opaines		http://deaktor-ofue00.7563/
Watedata		Web survey obtains:
de Inaut		
- Output		Time zone:
Gliest		(100-93:00) 北京,慶庄,委員特預行政区,马桑木亦
Snart Wall		
- 🚰 Vier Groups		
Sourt Client Profiles		
ar Hunagement Client Profiler		
Matrix		
[1] Jules and Events		
Tine Profiler		
- Notification Profiles		
Vaer-defined Events		
Analytics Events		
Generic Events		
🕀 💏 Security		
Toles		
Banic Uners		
System Databourd		
Current Tasks		
System Honitor Thresholds		
Ridente Lork		
Configuration Reports		
- Server Logs		
- 🏚 Acress Control		3.
. (Transet		👔 Info 🔒 Storage 🐒 Failover 💠 Multicast 🎬 Betwerk
E Transatian sources	Preview	
illuma		
د		
Site Marigation Federated Site Hierarchy		
2		

2. Next, you can select how the device is to be added, you are recommended to choose option **"Express"** and then click on **"Next"**.(If the express option fails in adding the device then you can try " **manually**" option)

Mile



File Edit View Action Tools Help					
8 9 0 • #					
Site Navigation	Recording Server		¥ 0	Properties	* 3
- D 1058TOP-CPUMCOD - (13.24)	E 11 Beverding Servers				
6 (Basics	B- DESITOP-CEMICOO			Seconding Server intermution	
License Information				Rane:	
Site Information				JESEIGE-CF ORCOG	
Banote Connect Services				Description:	
Axis One-click Camera Connectio					^ I
- Servers					
d Bererding Servers					
Tailover Servers					~
🕤 Mobile Servers		[
- Derices		Add Hardware		- u x	
- To Coneras		$\sim 1 \times 1 \times 1$			
- Ni grophenes			Add Hardware		
Speakers		$\sim 1 \sim 1$			
🐨 Retadata			This wirard helps you detect and set up hardware.		
de Ingut					
- Output			W. L. ALCO, W. K.		
Glieat		$\sim E/Z$	nardware detertion method.		
Sourt Fall			@ Express (reconnended)		
Par View Groups			Automatically detects hardware on the recording terver 5 local network		
Shurt Client Profiles					
Wanagement Client Profiles			-		
Matrix			Address range scanning		
- D Eules and Events			Stati office settory and en ranger an detect in dear sourt		
Tales					
Tine Frofiles			0.0.1		
- Sotification Profiles			Detects hardware models for manually entered IF addresses and host name		
- Vser-defined Svents			•		
Analytics Events					
Seaeric Events			O Branda august hardware		
🕀 ổ Seruri ty			Add hardware connected via a remote connect server		
- Roles					
- 8 Basic Users		milestone			
🕀 🕲 Systen Dashboard					
- Current Tasks					
- O System Homitor					
📑 System Monitor Thresholds		Help	< Back	Sect > Cancel	
- 2 Ividence Lock					
- Configuration Reports					
- Fin Server Logs					
- D Access Control					
- C. Transet				👔 Info 🔒 Sterage 🐐 Failover 📣 Multicant 😭 Hets	ork .
-E Transaction sources	Paral an			0	
Transaction definitions	11 eview				V + A
🕀 🍕 Alaras					
. 3					
Site Marigation Federated Site Hierarchy					

3. Click on **"Add"** to add a new device fill credentials that you chosen for Onvif account in the intercom (in our case it is admin/admin). Then click on **Next**.

Milestone XProtect Management Client 2019	9 R2					- a ×
File Edit View Action Tools Help						
8 9 0 • 1						
Site Favigation 0 X	Recording Server		¥ 0	Properties		¥ 0
Alstrate-CHARGO = (3, 2, 2) Davie	Enff Recerbag Servers ⊕ ∰ (newn)=cr00000			Bacording server informat Name: BESETOP-CFUNCO Description:	ion.	
Devices Devices P Merophnes Southern		Add Hardware Specify user name and password if devices are not using the de	fault cress,		- • ×	
w Retadata					merone	
ofo Ingut ♀ Output		Include User Name	Password		Ióa	
Bourt Fall		(Factory Default)	•••••	- I I I I I I I I I I I I I I I I I I I	Renove	
See Grant Frider Pacque and Data Frider Pacque and Data Pacque and Data Pacque and Data Pacque and Data Pacque and Data Pacque and Data Pacque and Pacque and Pacque and Pacque and Pacque and Pacque and Pacque and Pacque and Pacque and Pacque and Pacque and Pacque and Pacque and Pacque and Pacque an						
System Monitor Thresholds		Help	< Back	Next)	Cancel	
Cofiguration Reports Cofiguration Reports Server Logs Noness Control Transet Transet Transet astronomers Auros	Proview	L		🚺 Info 📑 Storage Fai	lover 💠 Walticaat 💱 Hetwork	* 9 X
< >>						
Site Serigation Federated Site Hierarchy						
-						

4. Milestone will search for ONVIF devices in your network, once the intercom is found, it will appear with the prompt **"Successful"**. If Akuvox doorphone is not checked, then please do so and click on **"Next"**.



Be Edit View Action Tools	lent Crent 201	nic.									0 ^
	- All										
ita Xamination	- 1 X	Recording Server					- 1 -	reportion			-
- 13 DESETOR-CELINCOD - (13.24)		- 1 Locarding Servers									
B(Interior		E III DESKOP-COMCO					- I	Recording server informa	tien		
Licenze Information		~					- I	Sine:			
II Site Information							- I	DESATOP-CFORCOO			
E							- I	Bescription:			
Axis One-elick Cane	ra Connectio						- I				^
🕀 🚺 Servers							- I				
1 Recording Servers							- I				
Pailover Servers							_				
Mobile Servers			Add Hardware						- П X		
- P levices			Add Hardware						u 7		
Concras			Maituchile user barderen is bei	an detected						-	
Mi crophanan			Once detection has completed	select which hardware to add.							
e opeakers									milestone	1	
Retodata											
C Ontant										-	
Client											
Seart Wall			Detected hardware:							-	
Co View Groups			East Address		Ord	Destaura and del			Onter		
Snart Client Profil	es		700 Autes		Poli	Hardwale model			Saus		
Management Client Pr	rofiles		192.168.1.166		80	H27-A (ONVIE)			Success		
Matrix											
🕀 🎘 Rules and Events											
ales []											
🛞 Tine Profiles											
- Notification Profil	*X										
Vser-defined Events											
Analytics Events											
Constite Events											
Sector Sector											
Baric Ilters											
System Bashboard											
Current Tasks											
G System Moniter			Show hardware running en oth	wer restording servers							
System Monitor Thre	tholds		Help			< Back		Bert >	Cancel		
- 2 Bridence Look											
Configuration Repor	ts										
Server Loga											
- Kosess Control							- P	A			
B 5 Transact								🚺 Info 🧧 Storage 🕅 Fe	ailover 💠 Malticast 🚏 Het	n ce'h	
Transaction sources		frerier									- 9
Alaras											
- 0											
t	>										

5. On the next screen you will see the prompt successfully added devices, just click on **"Next"** again.

Milestone XProtect Management Client 2019 R2					— a ×
File Edit View Action Tools Help					
8 9 0 • M					
Site Navigation 🗸 🕫 🗙 Recording Server			÷ 4	Properties	↓ α
Description - (1) 2.0 Description - (1) 2.0 Description - (2) 2.0 Description -	er s			Recording server information News Electron-CPURGO Desription:	
Robile Servers	Add Hardware			- 🗆 X	
Concerns Concerns Plinrophaes Concerns Speakers Totalitie A Input	Wait while the system connects to each Successfully collected hardware will be a	hardware and collects device specific inf dded.	ormation.	miliestone	
Climat				Stop	
Saart Sall	Collected hardware infermation:				
Pier Groups	Address	Pot	Hardware model	Status	
🚰 Snart Client Profiles	192, 168, 1, 166	80	B27-A (ONVIE)	J Success	
Paragement Clinit Profilies Paragement Clinit Profilies Paragement Clinit Profile Paragement Clinit Profile Paragement Profile	24 Mil 1 Mil	10	(buy	Feet 2 Carel	
Preview Preview					* 0 X
C Site Swipptime Federated Site Kierarday					

6. Check the desired HW and click on "Next".



File Edit View Action Tools Help													
日 9 9 4 4													
Site Faviration	Recording Server						~ 8	Properties					* 8
INSUTOR-CELINCOL = (13 2a)	E (1) Recording Servers												
@ (III Basics	B-H DESETOP-CEIMCO							Recording server int	(ermation				
Licenze Information								Nano:					
Site Information								DESTION-COMCOO					
- Enote Connect Services								Description:					
Axis One-click Camera Connectio													2
🕀 🚺 Servers													
D Recording Servers													
- 1 Failover Servers													
- 10 Mobile Servers		Add Hardware							- E	×			
- Q Devices													
- D Caneras		Hardware and came	ran are enabled per default	Manually analysis artificianal	devices to be u	and the second							
Mi grophines		The hardware and its	a devices will be assigned a	uto-generated names. Alter	natively, enter a	arnes manually.							
C Speakers									miles	tone			
Retalata													
Contrast		Hardware name termlat	har"			Berice none	template:			-			
a III Client		Default			~	Infault.				~			
Saart Rall						recourt							
P Vier Groups													
Snart Client Profiles		Hardware	Canera (Microphone	Speaker		Netadata	Input	0 ostput				
Munagement Client Profiles		-	-	-									
atrix [20]		Hardware to Add		Enabled	Name					^			
🕀 📴 Bules and Events		R27-A - 192 168 1 166											
- [ii] Jules		Othertown		12	007.6.0	0.100.1.100							
😁 Time Profiles		That ware.			H2//A(()	22.100.1.100)				_			
Sotification Profiles		States a port 1:		M	R275A (1	92.168.1.166) - Car	nera 1						
Vser-defined Svents		Wetadata port 1:			R27-A (1	92.168.1.166) - Mer	tedata 1			_			
Analytics Events		d'e input port 1:			R27-A (1	92.168.1.166) - Inp	ut 1						
Generic Events		de instrat?		M	B27-A (1	12 168 1 166) - Inc	#2						
B Ralas		do instant 2		2	P27.6.0	12 169 1 160 - 100	+2						
Baric Ilrayr		are spar port of			The Provide					_			
System Jashhoard		de input port 4.		M	H27-A (1	s2.168.1.166) - Inp	df 4			_			
- Current Tasks		e input port 5:		M	R27-A (1	92.168.1.166) - Inp	ut 5			~			
System Monitor		1											
System Monitor Thresholds		Help				< Back		Next)	Cancel				
- R Ividence Lock										_			
Configuration Reports													
- Fin Server Logs							_						
- toress Control													
Transact								🚺 Info 🔒 Sterage 🏌	🛿 Failover 👍 Multica	nt 🎦 Hetwor	Ł		
E Transaction sources	Preview											-	- 3 ×
Iransetien detimitions													
m Ga vrans													
د >													
Site Marination Federated Site Hierarchy													

7. In the next step, you have to add the chosen HW to groups. If you have not create the groups yet, you have to do it now. Click on folder of particular group and then click on plus. Group will be added with default name, you can change it when you add it. When you will add the group, make sure that you mark it with cursor (it has to be blue) and then click on **OK**. This will set the group as default group for this type of HW. Do the same for all groups.



8. After you create new default groups just click on "Finish".



File Edit View Action Tools Help										
E 9 0 • A										
Site Seviration	Recording Server				2 Properties					
INSUTOR-CELINCOL - (13.24)	E 1 Recording Servers									
O (II Barier	B-HI DESITOR-CEIMICO				Eccording server infer	mation				
License Information					Nano:					
Site Information					DESTION-CRONCOO					
E Emote Connect Services					Description:					
Axis One-click Camera Connectio							^			
E Servers										
d Recording Servers										
- 1 Failover Servers										
- 🗊 Mobile Servers		Add Hardware				- п ×				
- W Devices										
- TD Caneras		Select a default group for all devices times								
A crojames		Alternatively, select device group individually for each devi	ice.							
C Speakers						milestone				
Retaints										
O Colorest		Default camera group:	Devices		Add to Group					
a Client		Canera Group 1	Cameras			_				
HI Sourt Fall			P R27-A (192.168.1.166)	-Camera 1	Camera Group 1					
Par View Groups		Setent arcrophone group:	inut							
Snart Client Profiles		No group malectad		land 1						
- Management Client Profiles			00 H2/H (132, 105, 1, 106)	- npor 1	The credy i					
- Matrix		setout theme both	do R27-A (192.168.1.166)	- Input 2	Input Group 1	×				
🕀 🚉 Bules and Events		No group salected	do R27-A (192.168.1.165)	- Input 3	Input Group 1	×				
- [] Bales			de R27-A (192.168.1.166)	- Input 4	Default Group	~				
- C Time Profiles		serunt setaats group.	de R27-A (192 168 1 166)	- Input 5	Default Group	v				
Solitication Profiles		an proprietation	Outrate							
v ser othed svents		Refault issue many								
Analytics Events		Teach General Con	V R2/A (192.168.1.166)	Output 1	Output Group 1	· · · · · · · · · · · · · · · · · · ·				
Same to		infor order 1	R27-A (192.168.1.166)	- Output 2	Output Group 1	×				
S Roley		Refault output group	R27-A (192.168.1.166)	- Output 3	Output Group 1	~				
Basic Uters		Ontrast Gram 1								
🗆 🚳 System Dashboard		Contra and L								
Current Tasks										
System Monitor										
System Monitor Thresholds		Help		< Back	Finish	Cancel				
- 2 Evidence Lock										
Configuration Reports										
Server Logs										
Recens Control										
G G Transact					👔 Info 🕒 Sterage 制	Failover 📫 Multicast 🚏 Hetwork	k			
El transaction sources	freview						* ° X			
IFAMARTIAN GATINITIAN										
a G Main										
د >										
Site Marigation Federated Site Hierarchy										

9. When the procedure is finished, you will see the added devices and their peripheries. You can also add the peripheries not added before to groups (not added peripheries are marked with red cross). More over, you can rename the device and the peripheries here. Also you will see video from Camera, see the input status from Input, trigger the relay from Output.





4. How to control outputs and monitor

Right now you can start "**Milestones Smart Client**" which is surveillance window for video monitoring (for security personnel). If you run this application for the first time you will see several sections on the left side (added cameras, created outputs) but there will be no video preview on the right side of the screen. You can very easily drag for to select camera and drop it into any window on the right side (this settings is only for actual login). You can also activate selected output from this client – choose appropriate output (relay) and click on the "Activate" button as shown in the picture below.





Contact us

For more information about the product, please visit us at www.akuvox.com or

feel free to contact us by

Sales email: sales@akuvox.com

Technical support email: support@akuvox.com

Telephone: +86-592-2133061 ext.7694/8162

We highly appreciate your feedback about our products.

