

Trademark

KedacomTM and **KEDACOM**TM are registered trademarks of Suzhou Keda Technology Co., Ltd. in China and various other countries. All other trademarks mentioned in this document are the property of their respective holders.

Suzhou Keda Technology Co., Ltd. 131 Jinshan Road New District, Suzhou, 215011 People's Republic of China http://www.kedacom.com Tel: +86-512-68418188 Fax: +86-512-68412699

© 2019 Suzhou Keda Technology Co., Ltd. All rights reserved.

Without the prior written permission of Suzhou Keda Technology Co., Ltd., any reproduction, translation or retransmission of all or any part of this document for any purpose in either electronic or mechanical form is not allowed.

Notice

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied. Suzhou Keda Technology Co., Ltd. is not responsible for printing or clerical errors.

Contents

About This Document	5
Intended Audience	5
Document Versions	5
Compatibility	5
Getting Started	6
Overview	6
Installing the vStation Pro	6
Configuring the Server	8
Logging In to the Client	9
Setup Wizard	
Control Panel	15
Adding NVRs	15
Creating Camera Groups	
Adding Client Accounts	
Configuring Client Settings	21
Configuring NVR Settings	23
Choosing the Display Language	24
Configuring E-Map	24
Using AI Functions	
Querying Logs	41
Configuring N+1 Hot Backup	
Live Viewing	
Main Interface	45
Viewing Control	
PTZ Controls	
Creating or Touring Schemes	51
Using Idle Viewing Windows	
Showing Active Alarms	
Showing Figure Detection Real-Time Information	
Showing Face Detection Alarms	
Showing Person Capture Statistics	
Showing E-Map	
Showing Vehicle Detection Real-Time Information	57
Showing Vehicle Panorama Real-Time Information	57
Showing Vehicle Detection Real-Time Logs	
Showing Vehicle Capture Statistics	57
Linking to Alarm Information	57
Linking to Alarm Captures	
Linking to Live Videos Viewing	59
Linking to Alarm Playbacks	59
Receiving Pushed Contents	60
Playing Back	62
Starting an Instant Playback	62
Starting a Multi-Record Playback	63

Starting a Synchronous Playback	65
Downloading Records	
Adding a New Tab Page	
Searching AI Events	
Searching Archived Pictures	
Abbreviations and Acronyms	

About This Document

Intended Audience

This document is intended for the personnel who:

- Work with Network Video Recorders (NVRs)
- Know video surveillance basics

Document Versions

Version 00 (2019-04-12) This is a draft.

Compatibility

The following table provides the products, NVR software version, and vStation Pro version to which this document applies.

Product	All types of V7 NVRs
	NOTE:
	Unless otherwise specified, all functions in this document apply to all types of V7 NVRs.
NVR Software	All versions
Version	
vStation Pro Version	V7R1B2

Getting Started

Overview

The vStation Pro uses a server/client architecture, which means a vStation Pro Client (hereinafter referred to as the client) and a vStation Pro Server (hereinafter referred to as the server) are provided when you install the vStation Pro. One server can provide services for multiple clients.

With the client, you can view live videos, play back records, manage cameras, configure NVRs, and find persons of interest using artificial intelligence (AI) functions on maps.

Installing the vStation Pro

Preparations

Ensure that your personal computer (PC) has the following configurations:

- Operating system: 32/64-bit Windows 7/10
- Processor: Intel Pentium IV 3.0 GHz or higher
- Memory: 2 GB or larger
- Resolution: 1280*720 or higher
- NIC speed: 1000 Mbps

Procedure

To install the vStation Pro:

- 1. Download the vStationProSetup.exe from the CD-ROM of the product package.
- 2. Double-click vStationProSetup.exe.
- 3. Select a display language.

Installer La	inguage 🗾 🚬
0	Please select the language of the installer
	English CK Cancel

4. Follow the instructions.

If you want to install only the server, deselect Client Main Prog and IPCSearch.

vStation Pro	Choose Components Choose which features of vStation	on Pro V7R1 you want to install.
Check the components you install. Click Next to contin	u want to install and uncheck the cor ue.	mponents you don't want to
Select components to insta	all: Server Main Prog Client Main Prog IPCSearch	Description Position your mouse over a component to see its description,
Space required: 188.5MB		
	< <u>B</u> ack	Next > Cancel

5. Create an account of the server installed on your PC. The following is an example.

• vStation Pro V7R1 Setup	
vStation Pro	ion er running option
	count so that you can access the server of the password is at least 8 characters, and d.
Port	6000 (1025-65535)
User Name	DocTest
Password	•••••
Confirm Password	•••••
	< Back Next > Cancel

This account is also the unique administrator of the client. In this document, this account is applied. The **Port** can be any port (from the range 1025-65535) on your PC and this port will be assigned to the server. This port is configurable and details are provided in section "Configuring the Server".

- 6. Click Next.
- 7. Select a path and click Install.

• vStation Pro V7R1 Setup	,
vStation Pro	Choose Install Location Choose the folder in which to install vStation Pro V7R1.
	ro V7R1 in the following folder. To install in a different folder, click folder. Click Install to start the installation.
Destination Folder F:\Program Files (x86)	\vStation Pro\ Browse
Space required: 188.5MB Space available: 88.2GB	
	< Back Install Cancel

8. Click Finish when the installation is completed.

After the preceding steps are performed, you can find the Vertice Server



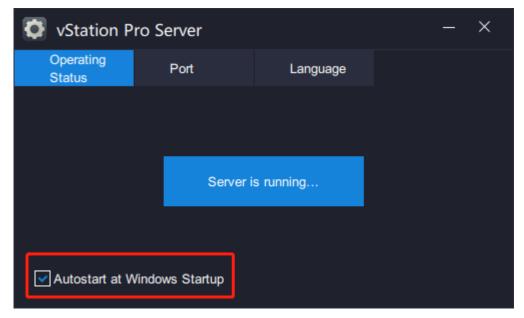
icons on the desktop.

Configuring the Server

To configure the server:



2. Under **Operating Status**, determine whether to enable the server to start up together with the Windows startup.



In this step, you can check the server status.

3. Under Port, you can configure the server port and HTTP port.

VStation P	ro Server		-	- ×
Operating Status	Port	Language		
			-	
vSt	ation Port	6000	(1025-65535)	
нт	TP Port	46789	(1-65535)	
				ОК

vStation Port: This is a port on your PC and it is assigned to the server.

HTTP Port: This is also a port on your PC and it is assigned to the server. This port is used to receive face/figure detection captures and face detection alarms pushed from an AI NVR. For details, see step 13 of section "Configuring the AI Functions".

4. Under Language, you can choose a display language for the server.

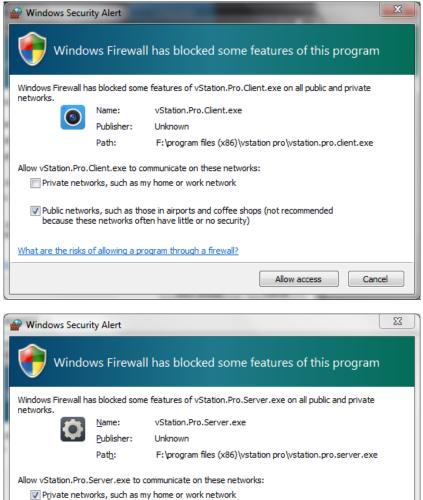
¢	vStation P	ro Server		—	×
	Operating Status	Port	Language		
Disp	lay Language: () 简体中文 💿 Eng	glish 🔿 Русский 🔿	Español 🔵	繁體中文
		🔵 Český Jazyk 🔵	Türkçe		

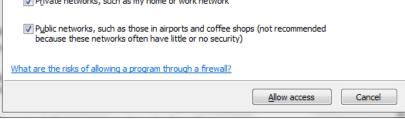
Logging In to the Client

To log in to the client:



2. Allow the vStation Pro through the Windows Firewall.



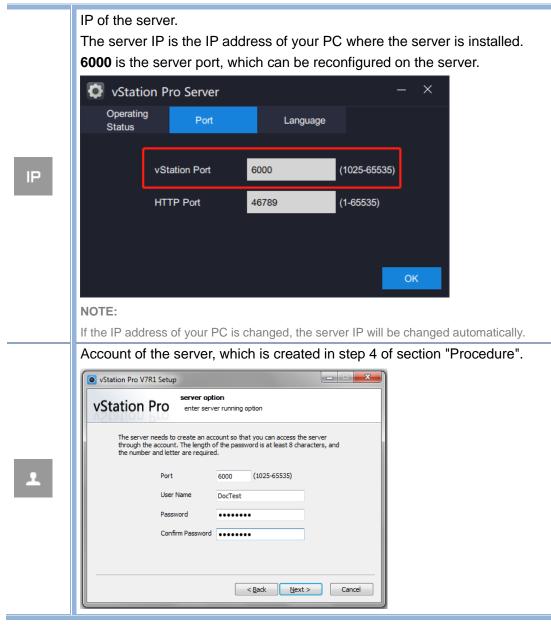




3. In the login dialog box, specify parameters displayed.

O vStation Pro		ο×
	0	
	IP 172. 16. 192. 245 : 6000	ļ
	L DocTest	ļ
	🖬 Remember Me 🔤 Auto Login	
	Log In	

Parameters are described as follows.





Password of the server account

4. Click Log In.

After logged in to the client, do not close the server.

Setup Wizard

For the first login, the Setup Wizard will show up to guide you to add NVRs as follows.

- 1. On the displayed page, select the target NVR you want to add.
 - Ensure that the target NVR is located on the same broadcast domain (in a LAN) as your PC. You can also select multiple target NVRs.

Station Pro						CPU: Memory:	10% 47%	· · ·	- 0	×
Add Device	⊊5 Auto Search -	+ Add								
Verification	Please select the target of	levice and clickNext.								
Vermoauon	IP	Device Name	Model	Subnet Mask	Default Gateway	Software Versio	n Serial Number	Enabled		
Done	172.16.192.222	Network Video	NVR1821-040	255.255.224.0	172.16.192.254	7.2.2.598	KDC0205245	Yes		ì.
	172.16.193.139	Room 1819	NVR2821-040	255.255.224.0	172.16.192.254	7.2.2.595	KDC0205245	Yes		
	172.16.192.123	Entry 1A	NVR2881-160	255.255.255.0	172.16.192.254	7.2.3.504(daily)	KDC0205245	Yes		
	172.16.192.114	Entry 1B	NVR1821-040	255.255.224.0	172.16.192.254	7.2.2.582	KDC0809069	Yes		
	192.168.0.45	Highway S20	NVR1821-080	255.255.255.0	0.0.0.0	7.2.3.516(daily)	VB12455269	Yes		
	172.16.192.239	Hall F20	its200	255.255.224.0	0.0.0.0	7.2.2.595	KDC0809069	Yes		
	172.16.192.166	Hall F18	NVR1821-040	255.255.255.0	172.16.192.254	7.2.2.590	KDC123	Yes		
	172.16.198.66		NVR2860E-08	255.255.224.0	0.0.0.0	7.2.2.597	VB12455269	Yes		
	172.16.192.168	Basement 1-8	NVR2881-I	255.255.224.0	172.16.192.254		KDC0205245	Yes		
	192.168.71.61	1827_61	NVR1827-040	255.255.224.0	192.168.71.254	7.2.2.552	hi3536c	Yes		
	172.16.193.152	Room 2012	NVR1821-080	255.255.248.0	172.16.192.254	7.2.3.516(daily)	VB12455269	Yes		
	172.16.193.153	Room 2013	NVR1821-040	255.255.0.0	172.16.192.254	7.2.3.515(daily)	1540001400	Yes		
	192.168.71.52	Network Recorder	NVR1829-010	255.255.248.0	192.168.71.254	7.2.2.599	hi3536c	Yes		
	Search						Next	(Cancel	

If the target NVR is not located on the same broadcast domain (in a LAN) as your PC but you can ping it from your PC, manually add it as follows:

- 1) Click + Add > Add Device
- 2) In the **Add Device** dialog box, specify parameters displayed. The following is an example.

User Manual for vStation Pro

O Add Devic	ce		×
Device Typ	e NVR V7	\$	
IP	172.16.128.24	ţ	
Device Nam	ne Conference R	oom F2-12	
Username	admin		
Password	•••••		
Password Port	80		
	80		

- 3) Click OK.
- 4) Skip to step 5.
- 2. Click Next.
- 3. In the displayed dialog box, specify parameters displayed.

Username and Password								
	ecorder							
	Ŧ	Please enter a usern	Please enter a username of the device.					
		Please enter a passv	Please enter a password.					
	÷	80						
1	Use	e the same username a	and password					
			ОК	Cancel				

Parameters are described as follows.

1	Username of the target NVR
A	Password of the username
Ψ.	Connection port of the target NVR
Use the same username and password	If the target NVRs have the same account and password, you can check this option to add these NVRs in a shorter time. If you do not check this option, you need to enter a username and password for each target NVR.

- 4. Click OK.
- 5. (Optional) On the displayed page, you can double-click anywhere in the red box to change the target NVR information, such as the IP or port number.

vStation Pro						CPU: Memor	y:	10% 50%	<u>۲</u>	, – C	1 ×
-											
Add Device	In this step, you cand	ouble-clickthe target dev	ice to edit the de	vice information	. If you are sure that the o	device informati	on is correct,	clickNext.			
Verification		Device Name	Connection P		Usemame	Connection St	atus		Recor		
	172.16.192.222	172.16.192.222	80	NVR	admin	Connecting			Recor		
Done											
	Add Device	Delete Device									
						Pi	revious	Next		Cancel	

- 6. Click Next.
- 7. (Optional) Determine whether to show the Setup Wizard every time the client is started.

O vStation Pro		CPU: Memory:	11%	••	Ŧ	₹		
Add Device Verification Done	♥ You have added 1 devices.						Done	

8. Click Done.

Control Panel

Under **Control Panel**, you can configure the following items.



These items involve the following actions.

O== Device	Adding NVRs Group	Creating Camera Groups
User	Adding Client Accounts	Configuring Client Settings
Settings	Configuring NVR Settings	Choosing the Display Language
O E-Map	Configuring E-Map	Using AI Functions
Log	Querying Logs	Configuring N+1 Hot Backup

Adding NVRs

Under Device, you can add NVRs.

O vStation Pro	Control Panel ×	₽ Live	Playback	+	CPU: 15% Memory: 46%	± - □ ×	
	\sim \gg] ()	(i) []	$\langle \mathfrak{O} \rangle$		
Device Group	User Local	Settings Langua	ige E-Map	AI Log	N+1 Hot Backup		
You can search, add, and delete devices here.							
IP	Device Name	Connection Port	Device Type	Usemame	Connection Status	Reconnect	
172.16.192.222	172.16.192.222	80	NVR	admin	Connected		
Auto Search	Add Delete	Device				Refresh	

Method 1

To add a target NVR from searching results:

- 1. Click Auto Search
- 2. Select the target NVR from the search results and click

You can also select multiple target NVRs you want to add.

In the displayed dialog box, enter a username, a password, and a port number.
 In this step, you can check the following option if the multiple target NVRs use the same username, password, and port number.

Vise the same username and password

4. Click OK.

Method 2

To manually add a target NVR, see step 1 of section "Setup Wizard".

Creating Camera Groups

Under **Group**, you can group cameras registering with different NVRs. A maximum of 32 camera groups can be created.

🗿 vStatic	on Pro	B Control	I Panel 🗙	모 Live	B	Playback	+			CPU: Memory:	9%		₹ -	
0==		2	%	$\langle \diamond \rangle$	En	\odot	$\langle \hat{O} \rangle$	=:	$\langle \circ \rangle$					
Device	Group	User	Local	Settings	Language	E-Map	AI	Log	N+1 Hot Backup					
	Gro	oup		No.	Sour	æ		Dev	ice			Device List		
											▶ \$93 172.16	197.222		
+ Add								Save		Clear				

To create a camera group:

- 1. Click + Add
- 2. In the displayed dialog box, enter a group name. The following is an example.

New Group			×
Group Name	DocTest-1		
		ОК	Cancel

- 3. Click OK.
- 4. Drag cameras under the **Device List** to the middle pane. The following is an example.

Group		No.	Source	Device		Device List
©⊒ DocTest-1	⊗		172.16.192.222	D1 Face Capture-Renlian	8	▼ 172.16.192.222
			172.16.192.222	D2 Newtork recorder		D1 Face Capture-Renlian
			172.16.192.222	D3 Door camera-82.200		D2 Newtork recorder
						D3 Door camera-82.200
						D10 Virtual Channel
+ Add				Save Cle	ar	

5. Click Save.

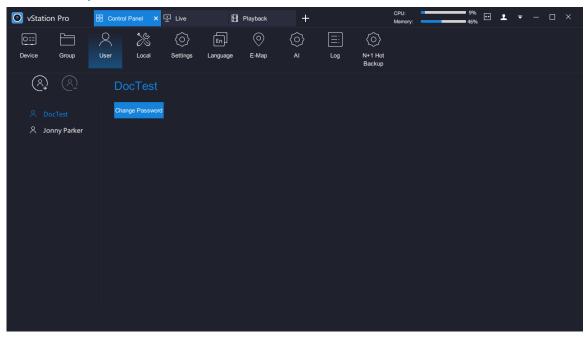
KEDACOM 苏州科达科技股份有限公司 Suzhou Keda Technology Co.,Ltd To rename a camera group, double-click it and enter a new name.

To delete a camera group, click 🔯 and confirm your operation.

To remove a camera from a camera group, click 🔯 and confirm your operation.

Adding Client Accounts

Under User, you can add client accounts.



To add a client account:



2. Enter a username and password and confirm the password. The following is an example.

(A)	Add User	
२ DocTest	Usemame Hector Poirot	
🖄 Jonny Parker	Password (A	password must be at least 8 characters long and contain letters and digits.)
	Confirm Password	
	Device Authorization Operation Authorization	
	All	Viewing and Playback .
	Viewing and Playback	< 172.16.192.222
	Downloaded records	
	Settings	
		OK Back

The more complex a password is, the stronger it is. You are advised to use a strong password to ensure your data safety. Periodically changing your password at 3-month intervals would be

appreciated. If your network environment is risky, you should change your password at weekly or monthly intervals. Additionally, do not leak your username and password.

3. Grant the account device/operation authorization.

Devic	e Authorization	Operation Authorization					
	All			Viewing and Playb	back.		
	Viewing and Playback			 172.16. 	.192.222		
	Downloaded records			🔲 D1 F	ace Capture-Renlian		
	Settings			🗌 D2 N	lewtork recorder		
				D3 D	oor camera-82.200		
				D10	Virtual Channel		
Device	Authorization	Operation Authorization	_				
Tab Page							
Contro	l Panel 🗌 Live	Playback	E-Map	AI Events	Search Archive	Custom	New Tab
Operation							
Manag	e devices	Configure local s	settings	Configure E-Map	o settings	Configure AI sett	ings
Enable	e screen auto-locking						
Enable	screen auto-locking						
Enable	e screen auto-locking						

If you want to grant the account the live video viewing and playback authorization for all cameras under NVR A (for example, 100.100.67.13), check the following:

Devic	e Authorization	Operation Authorization	
	All		Viewing and Playback .
~	Viewing and Playback		< 172.16.192.222
	Downloaded records		< 🗹 100.100.67.13
	Settings		

NOTE:

If you want to grant the account the authorization for all cameras under all NVRs, select all NVRs.

If you want to grant the account the record download authorization for all cameras under NVR A, check the following:

	Device	thorization Operation	on Authorization	
				Downloaded records .
		ewing and Playback		< 172.16.192.222
✓ Downloaded records <	~	wnloaded records		< 🔽 100.100.67.13
Settings		ttings		

If you want to grant the account the NVR configuration authorization for all NVRs on the vStation Pro, check the following:

User Manual for vStation Pro

Devic	e Authorizatio	on	Operation Author	orization				
	All					Setting	s .	
✓	Viewing and	l Playback				E	172.16.192.222	
	Downloaded	d records				E	✓ 100.100.67.13	
	Settings							
Device Aut	horization	Operation Authoriza	tion					
Tab Page								
Control Par	el 🔽 Live	Playback	🔽 Е-Мар	✓ AI Events	Search Archive	Custom	🔽 New Tab	
Operation								
Manage de	vices	Configure	local settings	Configure E-I	Configure AI settings			
Enable scre	en auto-locking							

If you want to grant the account the screen auto-locking authorization for the vStation Pro, check the following:

Devic	e Autho	rization	Opera	Operation Authorization									
	All		_				Viewing a	nd Playback .					
	Viewir	g and Playbac	k				< 🗸	172.16.192.2	22				
	Downl	oaded records					< 💌	100.100.67.1	3				
	Settin	gs											
Device Aut	norization	Operation A	Authorization	_									
Tab Page													
Control Par	el 🔽 l	ive 🔽 I	Playback	🗹 E-Map	Al Events	Search Archive	Custom	🔽 New Tab					
Operation													
Manage dev	vices		Configure local se	ettings	Configure E-Map	settings	Configure Al	settings					
Enable scre	en auto-loci	ing	in and the second s										

If you want to grant the account the creating a custom tab page authorization for NVR A, check the following:

Devic	e Authorization	Opera	ation Authorizati	on			
	All					Viewing and Pl	ayback .
	Viewing and Play	/back				< 🗌 172	.16.192.222
	Downloaded reco	ords				< 🗹 100.	.100.67.13
	Settings						
Device Auth	orization Ope	ration Authorization	_				
Tab Page							
Control Pane	el 🔽 Live	Playback	💽 E-Map	Al Events	Search Archive	Custom	🗹 New Tab
Custom							
New Tab							
Operation							
Manage devi	ices	Configure local s	ettings	Configure E-Map	settings	Configure AI setti	ings
Enable scree	en auto-locking						

> If you want to grant the account the authorization of managing devices, configuring local

settings, **configuring E-Map settings**, **and configuring AI settings** for NVR A, check the following:

Device	e Authorization	Opera	Operation Authorization								
	All					Viewing and Pla	yback .				
	Viewing and Play	back				< 🗌 172.	16.192.222				
	Downloaded reco	rds				< 🗹 100.1	100.67.13				
	Settings										
Tab Page											
Control Pane	el 🔽 Live	Playback	E-Map	Al Events	Search Archive	Custom	New Tab				
Custom											
New Tab											
Operation											
🗹 Manage dev	ices	Configure local se	ettings	Configure E-Map	settings	Configure AI settings					
Enable scre	en auto-locking										

If you want to grant the account the authorization of only managing devices for NVR A, check the following:

Device	e Authorization	Opera	ation Authorizat	ion			
	All					Viewing and Playback	k.
	Viewing and Play	back				< 🔲 172.16.19	2.222
	Downloaded reco	rds				< 🗹 100.100.6	7.13
	Settings						
Tab Page							
Control Pane	ł 🔽 Live	Playback	🗹 E-Map	Al Events	Search Archive	Custom Vew Ta	b
Custom							
New Tab							
Operation							
Manage devi	ces	Configure local se	ettings	Configure E-Map	settings	Configure AI settings	
Enable scree	en auto-locking						

NOTE:

This method also applies to the authorization granting of **configuring local settings**, **configuring E-Map settings**, **and configuring AI settings**.

4. Click OK.

Configuring Client Settings

Under Local, you can configure client settings.

🗿 vStatio	n Pro	B Control	Panel 🗙 [土 Live	B	Playback	+				CPU: Memory:	_	12% 47%	••	Ŧ	₹ -	- C	1 ×
		User	%	$\langle \hat{O} \rangle$	En	0	$\langle \circ \rangle$	[<u>=:</u>	O N+1 Hot								
Device	Group	User	Local	Settings	Language	E-Map	AI		Log	Backup								
		Viewi	ng	Protocol				о тс	P		UDP							
				Stream Pre	ferred			 Ma 	in		Secondary							
				Picture Qua	ality			Or	linary		High							
				Ratio				Fill			4:3) 16:9					
				When Doub	le-Click Viewing	Window		View i	n Full Screen									
		Reco	rd	Local Reco	rd Save Path			s (x86	/vStation F	Pro/IPCSea	rch/languaç	e/zh\vStatio	nRecord	В	rowse			
				Downloade	d Record Save	Path		s (x86	/vStation F	Pro/IPCSea	rch/languag	je/zh\vStatic	nRecord	В	rowse			
		Snap	shot	Save Path	for Snapshots	During Viewing		les (x8	6)/vStation	1 Pro/IPCS	earch/langu	age/zh\vSta	tionSnap	В	rowse			
				Save Path	for Snapshots	During Playbac	k	les (x8	6)/vStation	n Pro/IPCSe	earch/langu	age/zh\vSta	tionSnap	В	rowse			
		Alarm	1 Linkage	Sound	Alert			F:\Pro	gram Files	(x86)\vStat	tion Pro\ala	rm.wav		В	rowse			
		Setup	Wizard	Always	s Show Setup V	Vizard												
		Login		🗹 Auto														
		Lock	Screen	Enable					minutes	s later the	vStation sc	reen will be l	ocked					
		Comp	atible Mode	Run th	is program in c	ompatible mod	e. (*Take el	ffect aft	er restarting	g.)		Save						

Parameters displayed are described as follows.

	Protocol	Viewing protocol						
	Stream Preferred	Stream preferred for viewing						
	Picture Quality	Picture quality						
	Ratio	Video ratio						
		The available values are as follows:						
		Switch Between Main/Secondary Stream						
		Push Viewing Contents View in Full Screen						
		View in Full Screen						
Viewing		This option enables the video played in the viewing						
	When Double-Click	window to be viewed in full screen mode.						
	Viewing Window	Switch Between Main/Secondary Stream						
	Ű	This option switches between the main/secondary						
		streams in the viewing window.						
		Push Viewing Contents						
		This option pushes the video played in a viewing						
		window to viewing windows configured to receive						
		pushed contents. For details, see section "Receiving						
		Pushed Contents".						
	Local Record Save Path	Path for saving local records. For details, see section						
Record		"Viewing Control".						
	Downloaded Record Save	Path for saving downloaded camera records. For details,						
	Path	see section "Downloading Records".						
	Save Path for Snapshots	Path for saving local captures. For details, see section						
Snapshot	During Viewing	"Viewing Control".						
	Save Path for Snapshots	Path for saving captures made during playbacks. For						
	During Playback	details, see section "Playback Controls".						
Alarm	Sound Alert	When this option is checked, the sound alert will be raised						

Linkage		if the client receives an alarm from an NVR or camera. The
		sound alert will stop when the related alarm is cleared.
Setup	Always Show Setup	Whether to show the Setup Wizard every time the vStation
Wizard	Wizard	Pro is started
Login	Auto	Whether to enable automatic login
Lock Screen	Enable	Whether to enable screen auto-locking. If check Enable, you need to enter a value in the following text box. 0 minutes later the vStation screen will be locked
Compatible Mode	Run this program in compatible mode.	You are advised to check this option if you cannot run the vStation Pro on a PC using the Windows 7/10 operating system. If the problem persists, contact the local authorized Kedacom agent.

Configuring NVR Settings

Under **Settings**, you can configure NVRs.

O vStation	n Pro	🔡 Cor	ntrol Panel	×	Live	В	Playback		+			CPU: Memory:		9% 45%	÷	Ŧ	₹ -	- 0	×
0==		\otimes	Ì		$\langle \circ \rangle$	En	\odot	$\langle \hat{o} \rangle$	>	=:	$\langle \hat{O} \rangle$								
Device	Group	User	Loc	al	Settings	Language	E-Map	AI		Log	N+1 Hot Backup								
Q Keywor	d																		
IP		De	evice Name			Connection P	ort	De	evice Typ	e		Connection	n Status		Setting	js			
172.16.192.2	22	17	2.16.192.2	22		80		N۱	/R			Online				<u>15</u>			
																		Refre	sh

To configure an NVR, double-click it and configure settings on the displayed page. For details on how to configure an NVR, see the related user guide.

O vStation	Pro	B Control	Panel 🗙 🖸	₽ Live	E	Playback	+			CPU: Memory:	12% 47%	••	± -	_		×
0==		$\stackrel{\frown}{\sim}$	×	$\langle \hat{O} \rangle$	En	\bigcirc	$\langle \hat{O} \rangle$	Ē	$\langle \hat{O} \rangle$							
Device	Group	🗿 Setting	gs		172.1	6.192.222							- 0	×		
Q Keyword				🗙 Seti	ings						👤 admir	E E	.og Out			
IP																
172.16.192.22	2															
						_		_		_						
								24		Æ						
				Local		Channel		Recording		HDD						
				_		_		_								
						\gg		Ē								
				Network		System		Maintenance								
												_		~	efresh	

Choosing the Display Language

Under Language, you can configure the display language of the client.

🗿 vStatio	n Pro	B Control	Panel ×	Live	B	Playback	+			CPU: Memory:	9% 46% ↔ 1	- ₹	
0==		2	×	$\langle \hat{O} \rangle$	En	\odot	$\langle \hat{O} \rangle$	Ē	$\langle \hat{O} \rangle$				
Device	Group	User	Local	Settings	Language	E-Map	AI	Log	N+1 Hot Backup				
	Display Lan	guage	🔵 简体中文	💿 En	glish (Русский	🔿 Españo		繁體中文	🔵 Český Jazy	k 🔿 Türkçe		

Configuring E-Map

Under **E-Map**, you can drag AI cameras to a map and query alarm information on the map.

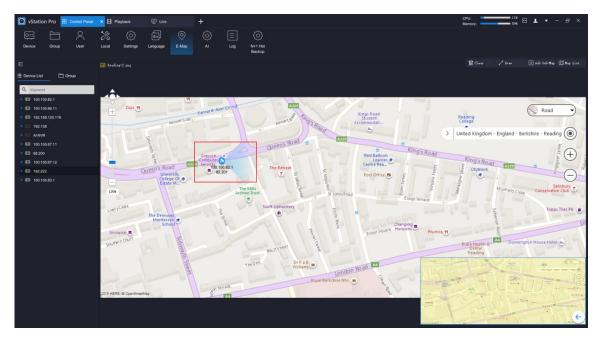
🔘 vStatio	on Pro	B Control	Panel X	다 Live	H	Playback	+			CPU: Memory:	9% 46%	•	1 -	—	
0==		2	×	$\langle \hat{O} \rangle$	En	\odot	$\langle \hat{O} \rangle$	=:	$\langle \hat{O} \rangle$						
Device	Group	User	Local	Settings	Language	E-Map	AI	Log	N+1 Hot Backup						
Press the Fo	Ider buttonto ad	ld pictures in th	e target folde	r to the E-Map	or directly drag	the folder to th	e current area.	Double-click t	to open the fo	older.					Folder

To use the E-map function:

- 1. Click Folder.
- 2. Upload the target map folder. The following is an example.

🗿 vStat	ion Pro	🔡 Control	Panel X	단 Live	B	Playback	+			CPU: Memory:	12% 46% ↔	Ŧ	₹	- 0	
0==		2	×	$\langle \hat{O} \rangle$	En	\bigcirc	$\langle \hat{O} \rangle$	=:	$\langle \hat{O} \rangle$						
Device	Group	User	Local	Settings	Language	E-Map	AI	Log	N+1 Hot Backup						
Press the	Folder buttonto ad	dd pictures in th	e target folde	r to the E-Map	or directly drag	the folder to the	he current area.	Double-click	to open the fe	older.				Fol	Lder
Tw	/ford	Reading	ø												

- 3. Double-click the target map folder and then the target map.
- 4. Drag Al cameras to the map. The following is an example.



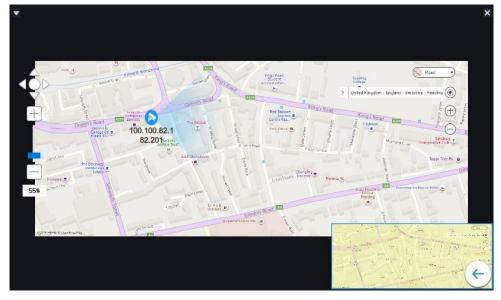
In the preceding figure, the AI camera is dragged to the spot where it is installed. You can press and hold the left mouse button and change its direction.



🖌 Draw	Draw lines to connect AI cameras on the map to form a camera network.					
🔟 Clear	Clear all lines.					
+ Add Sub-Map	Add a sub-map to a map. Sub-maps will be placed above maps.					
	Show the map list. The following is an example.					
	🛅 Clear 🥜 Draw 🛨 Add Sub-Map 🛄 Map List					
∭ Map List	Twyford Twyford.png Reading Reading-2.png Reading.png					
	The maps are listed in an ascending order of time they are created. This means the firstly created map tops the list.					

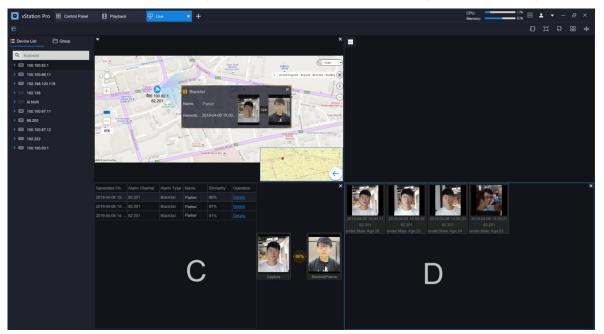
5. On an idle viewing window of the Live page, choose -> E-Map.

By default, the first map which tops the map list is displayed. The following is an example.



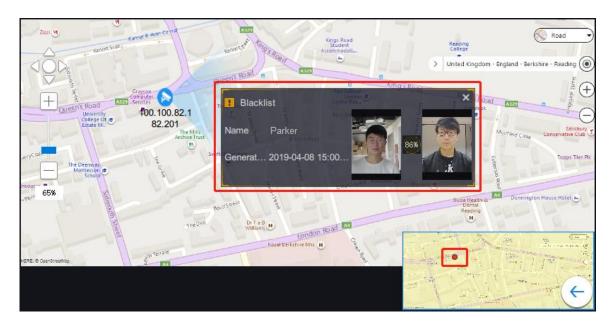
On two idle viewing window (for example, windows C and D) of the Live page, choose
 Face
 Detection Alarm and Face Detection Real-Time Information, respectively.

When a face detection alarm is generated, you can find the following on these viewing windows.



As shown in the preceding figure, the face detection alarm is displayed in window C and face detection captures related to the alarm are displayed in window D.

Additionally, you can find a prompt and a blinking red spot in the viewing window where the E-map function is enabled, as shown in the following figure. Note that the prompt and the red spot will show only for 10s, regardless of whether the alarm is cleared or not.



Using AI Functions

The AI functions include the face/figure/vehicle detection functions and apply only to the NVR2881-B of V7 and NVR2821 of V7. The sub-models are as follows.

4 Intelligent Channels	8 Intelligent Channels	16 Intelligent Channels
NVR2881-16016B/4HI	NVR2881-16016B/8HI	NVR2881-16016B/16HI
NVR2881-16032B/4HI	NVR2881-16032B/8HI	NVR2881-16032B/16HI
NVR2881-16064B/4HI	NVR2881-16064B/8HI	NVR2881-16064B/16HI
NVR2881-16128B/4HI	NVR2881-16128B/8HI	NVR2881-16128B/16HI

Table 1 Sub-models of the NVR2821

2 Intelligent Channels	4 Intelligent Channels	8 Intelligent Channels
NVR2821-04009B/2LI	NVR2821-04009B/4HI	NVR2821-04009B/8HI
NVR2821-04016B/2LI	NVR2821-04016B/4HI	NVR2821-04016B/8HI
NVR2821-04032B/2LI	NVR2821-04032B/4HI	NVR2821-04032B/8HI

Configuring the AI Functions

To configure the AI functions:

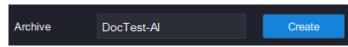
- 1. Under **AI**, select an AI NVR from the **Device List** and ensure that AI cameras have been added to this NVR.
- 2. Ensure that the VIIAS settings of the AI cameras have been configured.

User Manual for vStation Pro

KEDACO	M		IPC2252-Gi4N-SIR50-Z7022	English •
Live View	Playback Snapshot	Settings Intelligent		admin Logout Help About
Live View Intel	Config			
Path DPSS	Enable			
VIIAS	Network Access ID	k#1111111111111111		
Guard Area	VIIAS Address(IPv4)	172 . 16 . 192 . 222		
Arming Parameters	VIIAS Port	51515		
Calibration	User Name	admin		
Install Inside	Password	•••••		
Protocol Setting LED Setting	Heartbeat Signaling Interval	30	10~1000 (s)	
Version	Installation Address	000		
	Administrative Area Code	123		
	Sending Mode	Image Set V		
	Wi-Fi Probe Data	Enable		
	Image Transmission First	Enable		
		Save	teset	

The AI cameras are capable of detecting faces, figures, and vehicles by default. You cannot enable or disable their detection capability.

- 3. (Optional) Create an archive.
 - 1) Enter an archive name.



2) Click Create.

By default, an AI NVR has the following two archives: blacklist and whitelist.

∃ Device List	Configure Archive	舒 Import Picture	P _{i≡} Arming	P vStation Pro Server
Q tipText	Archive List	Search Delete		
Den 100. 100. 82. 1				
回到 100.100.66.11	Archive	Operation		
03 192. 168. 120. 119	blacklist	Delete Edit Save		
I92. 138	whitelist	Delete Edit Save		
I AI NVR				
🕮 100. 100. 67. 11				
68 .200				
0 192.222				
题到 100, 100, 83, 1	Archive	Create		

- 4. Import person pictures.
 - To import person pictures to AI cameras:
 - 1) Choose Import Picture > Camera.

ক্রি Configure Archive	Emport Picture	$\mathcal{P}_{{\scriptscriptstyle {\rm III}}}$ Arming	IP	vStation Pro Server
Archive	-	Camera	-	

2) (Optional) Upload pictures one by one.

Before uploading pictures, note the following:

- Only .jpg and .jpeg pictures can be uploaded.
- A maximum of 50,000 pictures can be uploaded.
- The picture size should not be greater than 2 MB.
- Each picture must include the head and shoulders.

KEDACOM 苏州科达科技股份有限公司 Suzhou Keda Technology Co.,Ltd a) Under One by One, click Upload.



b) Specify the following parameters. The following is an example.

One by One	Batch
Name	Punch Roger
Gender	Male 🔫
Place of Origin	Los Angels
Occupation	Actor
Identity Type	Identity Card 🔫
Identity ID	294561209
Date of Birth	៉ 1978-04-26 ×
Phone	001-862-2103452
Address	Hall Avenue 4, Los Angels
Import	

c) Click Import.

After the preceding steps are performed, pictures are uploaded to the AI cameras. However, the upload has nothing to do with the face and figure detections performed on the AI NVR.

- 3) (Optional) Upload pictures in batch.
 - a) Under Batch, click **H**.



- b) Open the target folder and select pictures you want to upload.
- c) Click Open.



d) Click Import.

One by One	Batch	
		Click here to add a batch of pictures.
Import	Clear	

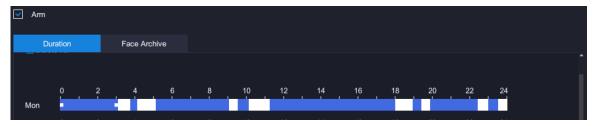
To import person pictures to an archive, take the preceding steps for reference. The upload to the archive is required for face and figure detections to be performed on the AI NVR.

5. Under Arming, select AI cameras to be armed.

These AI cameras are to be armed for face and figure detections to be performed on the AI NVR.

- 6. Click Arm.
- 7. Select arming durations.

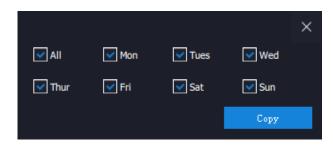
In this step, you can drag the duration sliders to select specific durations. The following is an example.



8. (Optional) Click is to copy the durations of a day to other days.

The following is an example.

KEDACOM 苏州科达科技股份有限公司 Suzhou Keda Technology Co.,Ltd



- 9. Click Save.
- 10. Under Face Archive, select the archive to which you have imported person pictures in step 4.
- 11. Determine the similarity and whether to trigger an alarm if the similarity threshold is exceeded or not exceeded.

Duration	Face Archive		
	Similarity		Trigger Alarm If
Jacklist		75 Setting	High Low

For example, if you are hunting for Person A, you can select **High**, assuming that you have uploaded Person A's picture to the archive. After this, if a face capture with a similarity exceeded the similarity threshold is reported, an alarm is triggered to alert you that Person A has appeared on the capture location.

If you are preventing strangers from entering a private property, you can select **Low**, assuming that you have uploaded pictures of people who are allowed to enter the property to the archive. After this, if a face capture with a similarity not exceeded the similarity threshold is reported, an alarm is triggered to alert you that a stranger has entered the property.

- 12. Click Save.
- 13. Under **vStation Pro Server**, add servers to which you want the AI NVR to push face/figure detection captures and face detection alarms.

You can add a maximum of 32 servers.

1) Enter the IP address of each target server in the **IP** text field.

<u>ଜ୍</u> ୟି Co	onfigure Archive	铊 <u>+</u> Import Picture	P _≞ Arming	P vStation Pro Server
Server II	P 172.16.192.245			
Settings	_	Query Delete		
Settings				
IP		Port		
IP:	172. 16. 192. 245	HTTP Port:	46789 A	ldd

The default value is the local server's IP address.

2) Enter the HTTP port of each target server in the **HTTP Port** text field. The **HTTP Port** can be configured on the server.

🐼 vStation Pro Server - ×									
Operatin Status	Operating Status Port			Language					
	vStation Port		6	000	(1025-65535)				
	HTTP Port		4	6789	(1-65535)				
						Ok	(

3) Click Add.

Querying Face Detection Captures

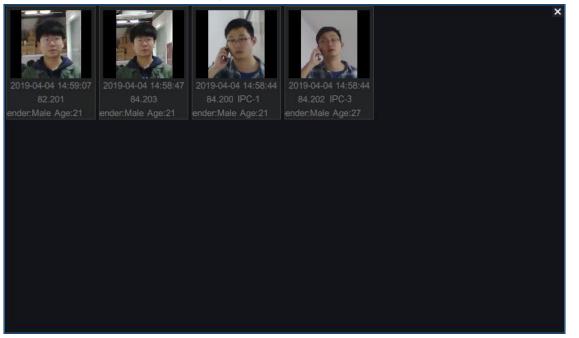
Ensure that the target AI camera uses the following settings (Detection Mode is set to Face).

KEDACOM IPC2252-Gi4N-SIR50-Z7022								
Live View	Playback Snapshot		Settings	Intelligent				
Live View In	tel Config							
Path								
DPSS	Sensitivity	5	```	/				
VIIAS	Detection Mod	Fai						
Guard Area	Direction	Hei	ad-shoulder + Whole F ad-shoulder Iole Person	e .				
Arming	Face Size	Fac		(80~540)				
Parameters	Face Output Mode		timal Output Mode	1				
Calibration	Optimal Face Number		e piece 🕚					
Install Inside	 Face Snapsho 	t Interval 0		Frame(0~250 0:	disable)			
Protocol Setting	Panorama		Disable ~					
LED Setting	Image Quality		her	/	•			
Version			able					
i craivii				/				
	Smart Backligh	Dis	able	/				

To query the real-time face detection captures on the Live page, on an idle viewing window, choose

----- > Face Detection Real-Time Information.

After this, you can find the following.



Querying Figure Detection Captures

Ensure that the target AI camera uses the following settings (**Detection Mode** is set to **Whole Person** or **Detection objective** to **Person** or **Person+Vehicle**).

 KEDAC	OM				IPC2252-Gi4N-SIR50-Z7022				
Live View	Playback	Snapshot	Settings	Intelligent					
Live View Intel Config									
Path									
DPSS	Sensitivity	5	~						
VIIAS	Detection Mode	Who	ole Person 🗸 🗸						
Guard Area	Direction	From	nt + Back 🛛 🗸 🗸						
Arming	Face Size	80		(80~540)					
Parameters	Face Output M	Ope	imal Output Mode 🛛 🗸						
Calibration	Optimal Face N		piece ~	France (0, 250 Outline)					
Install Inside	Face Snapshot	-		Frame(0~250 0:disab	e)				
Protocol Setting	Image Quality	Disa							
LED Setting	Video OSD Ove	rlay Disa							
Version	Smart Exposure								
	Smart Backlight	Disa	ble 🗸]					
KEDA	COM				IPC2255-Gi7N(VER.A)				
Live View	Playback	Snapsh	ot Setting	gs Intellige	nt				
Live View	Intel Config								
Path									
DPSS	Deter	ction objective:	Person+Ve	eh 🗸					
VIIAS			Person						
Guard Area	Deter	ction sensitivity	Person+Ve	hicle					
Arming	Smar	t Exposure	Close	\sim					
Detection			Class						
Calibration	Pano	rama	Close	~					
Plate Detection	Imag	e Quality		\sim					
Install	Video	o OSD Overlay		~					
OSD		· · · · ·							
Protocol Setting	3								
LED Setting									
Version			Save		Reset				

To query the real-time figure detection captures on the Live page, on an idle viewing window, choose

Querying Face Detection Alarms

Ensure that the target AI camera uses the following settings (Detection Mode is set to Face).

KEDACO	KEDACOM IPC2252-Gi4N-SIR50-Z7022									
Live View	Playback Snapshot		Settings	Intelligent						
Live View Inte	el Config									
Path										
DPSS	Direction		~							
VIIAS			ce 🗸							
Guard Area			ad-shoulder + Whole P ad-shoulder ole Person							
Arming			ie ie	(80~540)						
Parameters			Optimal Output Mode 🗸 🗸							
Calibration			e piece 🗸 🗸							
Install Inside				Frame(0~250 0:disable)	disable)					
Protocol Setting	Panorama		able 🗸							
	Image Quality		her 🗸							
LED Setting	Video OSD Overlay Smart Exposure Smart Backlight		able 🗸		•					
Version			able v							
			able v							

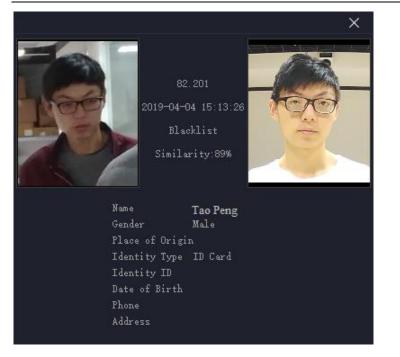
To query the real-time face detection alarms on the Live page, on an idle viewing window, choose

Figure Detection Alarm. The following is an example.

Generated On	Alarm Channel	Alarm Type	Name	Similarity	Operation	×
2019-04-04 15:	82.201	Blacklist	Dr. W	83%	Details	
2019-04-04 15:	Face Detection-1	Blacklist	Unknown	93%	Details	
2019-04-04 15:	Face Detection-1	Blacklist	Unknown	97%	<u>Details</u>	
2019-04-04 15:	Face Detection-1	Blacklist	Unknown	95%	<u>Details</u>	
2019-04-04 15:	Face Detection-1	Blacklist	Unknown	95%	Details	
2019-04-04 15:	Face Detection-1	Blacklist	Unknown	93%	<u>Details</u>	
2019-04-04 15:	82.201	Blacklist	Sheppard P.	84%	<u>Details</u>	83%)
						Capture BlacklistPicture

Clicking **Details** will show you the following.

User Manual for vStation Pro



Querying Face Detection Capture Statistics

Ensure that the target AI camera uses the following settings (Detection Mode is set to Face).

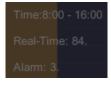
KEDACO	DM				IPC2252-Gi4N-SIR50-Z7022
Live View	Playback	Snapshot	Settings	Intelligent	
Live View Inte	el Config				
Path					
DPSS	Sensitivity	5	~]	
VIIAS	Detection Mode	- 10	ice V		
Guard Area	Direction	He	ad-shoulder + Whole Pe ad-shoulder hole Person		
Arming	Face Size	Fa		(80~540)	
Parameters	Face Output M	lode Op	otimal Output Mode $$]	
Calibration	Optimal Face N	UII	e piece 🗸 🗸]	
Install Inside	Face Snapshot	Interval 0		Frame(0~250 0:0	disable)
Protocol Setting	Panorama	Dis	sable ~		
LED Setting	Image Quality		gher \vee		
Version	Video OSD Ove		sable ~		
Version	Smart Exposur		able ~]	
	Smart Backlight	t Dis	sable ~		

To query the face detection capture statistics of a day on the Live page, on an idle viewing window,

choose -> Person Capture Statistics. The following is an example.

⊒Pers	on Capture Statistics			×
		Real-Time	Alarm	
		Time:8:0		
		Real-Tim		
		Alarm: 3.		

Clicking any section of a day will show you the preceding pane.



Querying Vehicle Detection Captures

Ensure that the target AI camera uses the following settings (**Detection objective** is set to **Vehicle** or **Person+Vehicle**).

KEDAC	ОМ				IPC2255-Gi7N(VER.A)
Live View	Playback	Snapshot	Settings	Intelligent	
Live View In	ntel Config				
Path					
DPSS	Detection	objective:	Person+Veh \sim		
VIIAS	Detection	sensitivity	Person Vehicle	7	
Guard Area			Person+Vehicle		
Arming	Smart Exp	oosure	Close ~		
Detection	Panoram	a	Close ~		
Calibration					
Plate Detection	Image Qu	iality	~		
Install	Video OS	D Overlay	~		
OSD					
Protocol Setting					
LED Setting			Save		Reset
Version			Save		Reset

To query the real-time vehicle detection captures on the Live page, on an idle viewing window, choose

> Vehicle Detection Real-Time Information. For details on how to configure vehicle detection

settings, see the related camera user guide.

Querying Vehicle Panorama Detection Captures

Ensure that the target AI camera uses the following settings (**Detection objective** is set to **Vehicle** or **Person+Vehicle**).

KEDAC	ОМ				IPC2255-Gi7N(VER.A)
Live View	Playback	Snapshot	Settings	Intelligent	
Live View In	tel Config				
Path DPSS	Detection	n objecti∨e:	Person+Veh ~		
VIIAS	Detection	i sensitivity	Person Vehicle Person+Vehicle	1	
Guard Area Arming	Smart Ex	posure	Close ~	1	
Detection Calibration	Panoram	a	Close ~		
Plate Detection	Image Qu	uality	~		
Install	Video OS	SD Overlay	~		
OSD					
Protocol Setting					
LED Setting			0		Devel
Version			Save		Reset

To query the real-time vehicle panorama detection captures on the Live page, on an idle viewing window,

choose -> Vehicle Panorama Real-Time Information. For details on how to configure vehicle detection settings, see the related camera user guide.

Querying Vehicle Detection Logs

Ensure that the target AI camera uses the following settings (**Detection objective** is set to **Vehicle** or **Person+Vehicle**).

KEDACO	DM				IPC2255-Gi7N(VER.A)
Live View	Playback	Snapshot	Settings	Intelligent	
Live View Inte	el Config				
Path					
DPSS	Detection	objective:	Person+Veh ~		
VIIAS	Detection	sensitivity	Person Vehicle		
Guard Area			Person+Vehicle		
Arming	Smart Exp	oosure	Close ~		
Detection	Panoram	a	Close ~		
Calibration					
Plate Detection	Image Qu	iality	~		
Install	Video OS	D Overlay	~		
OSD					
Protocol Setting					
LED Setting			Save		Reset
Version			Save		Reset

To query the real-time vehicle detection logs on the Live page, on an idle viewing window, choose

Vehicle Detection Real-Time Log. For details on how to configure vehicle detection settings, see the related camera user guide.

Querying Vehicle Detection Capture Statistics

Ensure that the target AI camera uses the following settings (**Detection objective** is set to **Vehicle** or **Person+Vehicle**).

KEDAC	ОМ				IPC2255-Gi7N(VER.A)
Live View	Playback	Snapshot	Settings	Intelligent	
Live View Int	el Config				
Path	Detection	objective:	Person+Veh ~		
VIIAS	Detection	i sensitivity	Person Vehicle Person+Vehicle	1	
Guard Area Arming	Smart Exp	posure	Close ~	J	
Detection Calibration	Panoram	a	Close ~		
Plate Detection	Image Qu	iality	~		
Install OSD	Video OS	D Overlay	~		
Protocol Setting					
LED Setting Version	-		Save		Reset

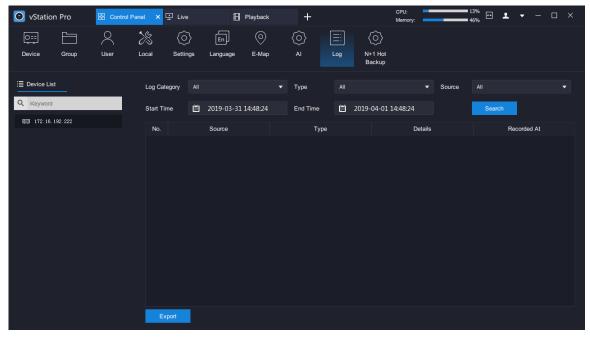
To query the vehicle detection capture statistics of a day on the Live page, on an idle viewing window,

choose -> Vehicle Capture Statistics. For details on how to configure vehicle detection settings,

see the related camera user guide.

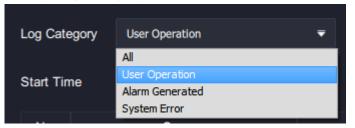
Querying Logs

Under Log, you can query logs.



To query logs:

1. Specify Log Category.



2. Select a specific log type.

Туре	All 🔫
	All
End Time	Reboot/Startup/Shutdown
Lind filme	Log In/Out
	Start/Stop Viewing
Туре	PTZ Control
	Recording and Picture Operation
	Recording and Picture Playback
	Tag Operation
	Back up/Download
	Channel Operation
	Import/Export Configurations
	Configure Settings
	HDD Operation
	Update
	Reset to Factory Defaults
	Switch GUI Output
	Voice Call and Broadcast

3. Specify Source.



- 4. Select a start time and an end time.
- 5. Click Search.

The following is an example for search results.

E Device List	Log Category	User Operation	Ŧ	Туре	Log In/Out		Source	admin	-
Q Keyword	Start Time	2019-03-27 10:51:55		End Time	2019	-03-28 10:51:55		Search	
Em 172. 16. 192. 222	No.	Source		Туре		Details		Recorded At	
		admin		User login				2019-03-28 10:32:16	
		admin		User login				2019-03-28 10:32:07	
		admin		User login				2019-03-28 10:32:05	
		admin		User login				2019-03-28 10:31:55	
		admin		User login				2019-03-28 10:31:50	
		admin		User login				2019-03-28 10:31:49	
		admin		User login				2019-03-28 10:31:44	
		admin		User login				2019-03-28 10:31:42	
		admin		User login				2019-03-28 10:31:42	
	10	admin		User login				2019-03-28 10:31:41	
		admin		User login				2019-03-28 10:07:58	
	12	admin		User login				2019-03-28 10:04:14	
	13	admin		User loain				2019-03-28 09:50:41	
	Export								

6. Click **Export** to export search results.

Configuring N+1 Hot Backup

NOTE:

The N+1 hot backup function applies only to the NVR2860E of V7.

The N+1 hot backup function enables one standby NVR to work for multiple main or standby NVRs to prevent service interruption. By default, an NVR works in standby mode.

To enable a standby NVR to work for other NVRs:

- 1. Select the NVR from the **Device List**.
- 2. Add the following information for each target NVR. The following is an example.

IP of Main Device:	100.100.67.13	
Port Number:	80	
Usemame:	admin	
Password:	•••••	Add

- 3. Click Add.
- 4. Click Refresh.

User Manual for vStation Pro

O Main	Mode 💿 Stand	by Mode O	peration Succeeded	I			
Status:	Idle						
List of Ma	ain Devices:		Refre	esh	Delete		
	IP	Port	Username	Status			
	100.100.67.13	80	admin	Connecting			
Then, you	hen, you can find the following.						
List of Mai	n Devices:		Refr	resh	Delete		

The status Idle indicates that the standby NVR is not processing services for any NVR.

Username

admin

Port

80

If the status turns to **Backing up**, the standby NVR is processing services of an NVR. The following is an example.

Status

Connected

Main Mode Standby Mode							
Status: 100.100.69.4 Backing up							
List of Ma	ain Devices:		Refr	resh D	elete		
	IP	Port	Username	Status			
	100.100.67.13	80	admin	Connected			
	100.100.69.4	80	admin	Connecting Failed	i		

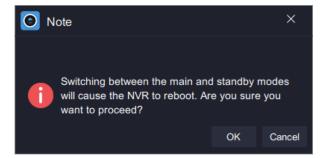
To set a standby NVR to work in main mode:

- 1. Select the NVR from the **Device List**.
- 2. Select Main Mode.

IP

100.100.67.13

3. Click **OK** to confirm your operation.



Live Viewing

Main Interface

The following is the main interface of the **Live** page.

SvStation Pro III Control Pa	nel 🗜 Live 🗙 🗄 Playback	+ CPU: Memo Area A	ny:56% ⊡ ▲ ▼ − □ × ① 江 禄 嘂 ф
E Device List Group Reyword IT2.16.192.222 Area B			
		Area C	

The items in area A are described as follows:

CPU: 12% Memory: 45%	Real-time CPU/memory usage							
++	Stop splitting the main screen.							
	Create a new tab.							
	• vStation Pro < control Panel	단 Live	Playback	New Tab × + >	CPU: 19% Memory: 46%	•• • • - • ×		
+								
) T				AI Q	AT Q		
	Live	Playback	Е-Мар	Custom	AI Events	Search Archive		
Ŧ	Current user							
₹	Log out or query the	ne client v	rersion					

User Manual for vStation Pro



The items in area B are described as follows:

	Device list		Camera group list
	E Device List		🗄 Device List 🗧 Group
	Q Keyword	C	Q Keyword
≡	D1 Face Capture-Renlian		▼ @⊟ DocTest-1
	D2 Newtork recorder		D1 Face Capture-Renlian
	🕞 D3 Door camera-82.200		D2 Newtork recorder
	D10 Virtual Channel		D3 Door camera-82.200

The table helps you read icons in Area B.

-

-

Interstation The NVR is online

Ľð

Recordings are in progress on the camera.

The NVR is offline.

The items in area C are described as follows:

Active Alarms	Showing Active Alarms
Face Detection Real-Time Information	Showing Face Detection Real-Time Information
Figure Detection Real-Time Information	Showing Figure Detection Real-Time Information
Face Detection Alarm	Showing Face Detection Alarms
Person Capture Statistics	Showing Person Capture Statistics
E-Map	Showing E-Map
Vehicle Detection Real-Time Information	Showing Vehicle Detection Real-Time Information
Vehicle Panorama Real-Time Information	Showing Vehicle Panorama Real-Time Information
Vehicle Detection Real-Time Log	Showing Vehicle Detection Real-Time Logs
Vehicle Capture Statistics	Showing Vehicle Capture Statistics
Link to Alarm Information	Linking to Alarm Information
Link to Alarm Captures	Linking to Alarm Captures
Link to Live Video	Linking to Live Videos Viewing
Link to Alarm Playback	Linking to Alarm Playbacks
Receive Pushed Contents	Receiving Pushed Contents

Viewing Control

When a viewing is started, you can find the following viewing controls.





Starting an Instant Playback

PTZ Controls

Ę

Make a local capture and the capture will be saved in the path specified by **Save Path for Snapshots During Viewing (Control Panel > Local > Snapshot)**.

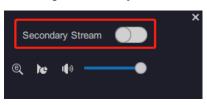
Ô	Snapshot	Save Path for Snapshots During Viewing	les (x86)/vStation Pro/IPCSearch/language/zh\vStationSnap	Browse
		Save Path for Snapshots During Playback	les (x86)/vStation Pro/IPCSearch/language/zh\vStationSnap	Browse

Start a local recording and the records will be saved in the path specified by Local Record Save Path (Control Panel > Local > Record).

•	Record	Local Record Save Path	s (x86)/vStation Pro/IPCSearch/language/zh\vStationRecord	Browse
		Downloaded Record Save Path	s (x86)/vStation Pro/IPCSearch/language/zh\vStationRecord	Browse

Viewing Secondary Streams

Enabling Secondary Stream will switch to the secondary stream viewing.



• E-PTZ

•

>>

Click to electronically zoom in or out a video. To do so, click and draw a pane starting from a top left corner. The following is an example.



After this, the selected area will be zoomed in.

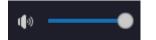
To cancel the zooming, draw a pane in the reverse direction.

Viewing Streaming Details

Click **b** to view streaming details.

Secondary Stream	×
@ he 🕪 ———————————————————————————————————	
Video Decoding Frame Rate	25
Video Decoding Bitrate	4238
Video Resolution	1920*1080
Received Video Frames	6676
Lost Video Frames	
Video Loss Rate	0%
Audio Decoding Bitrate	67
Received Audio Frames	13356

• Adjusting the Output Volume Adjust the output volume by dragging the volume slider.



PTZ Controls

Basic Controls

NOTE:

PTZ controls take effect on only PTZ cameras.

PTZ controls are described as follows.

 × ×<	Direction buttons. You can click 🔊 to reset the camera to the factory position.	ତ୍ତ୍ର ତ୍ର ନ	Increase or decrease the focus. Alternatively, use the automatic focus. Increase or decrease the aperture. Alternatively, use the automatic aperture.
\$ \$	Adjust the PTZ speed.	• %	Enable or disable the backlight.
*	Zoom in or out.	11 <u>8</u>	Enable or disable the wiper.

Presets and Paths

Creating a Preset

NOTE:

Only ONVIF/VSIP cameras support this operation.

To create a preset for a camera:

1. Move the camera in operation to a position using arrow buttons.



2. Enter a preset number in the **Preset** text filed.

The following is an example.



3. Click Save.

After the preceding steps are performed, a preset is saved. Clicking **Call** will enable the camera to go to the preset.

Touring Presets

Go to the IPC Web of the camera in operation to tour its presets. For details, see the camera user manual.

Touring Paths

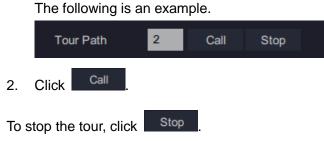
You can only tour paths and these paths can be configured only on the IPC Web of the camera in operation.

User Manual for vStation Pro

DACOM	Live View	Playba	ack	Snapshot	Settings					<u> </u>	admin	Help	E→ Logou
Camera	Basic Config	Guard Tour	Preset	Restricted Patro	pl Path Mode Mixed	Mode Scheduled Task	Positioning						
Image					7	▲ ▼ ♣ ₩							
OSD							N N						
Video					4								
Audio					-	▼ 4 0 0 A	A						
PTZ		The device r	nav have be	en disconnected ar g stream because o	hd	50							
	Pa	atrol Path		Patrol	Path 1	V Save	Delete	Load	Stop				
	Pa	atrol Path	Modify	Patrol		Save	Delete	Load	Stop				
			Modify	Delete		Save Enable Patrol Spots	Delete Patrol Sp		Stop				
		Add		Delete	è				Stop				
	Patr	Add	Prese	Delete	Stay Time 5~1800 (s)	Enable Patrol Spots	Patrol Sp		Stop				
	Patri 1	Add	Prese	Delete	Stay Time 5~1800 (s) 10	Enable Patrol Spots Already Set	Patrol Sp preset-1		Stop				

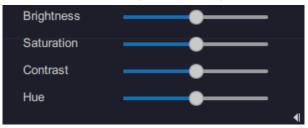
To tour paths of a camera:

1. Enter a path number in the **Tour Path** text filed.



Adjusting a Video

To adjust a video, drag the following sliders.



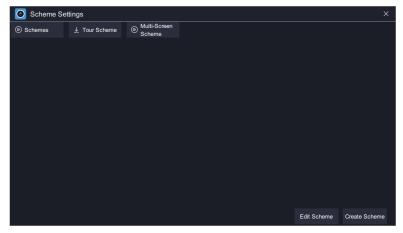
Creating or Touring Schemes

Creating a Single Screen Scheme

To create a single screen scheme:

- 1. On the **Live** page, select a screen layout using and bind cameras and viewing windows together.
- 2. Choose **Create Scheme**.

KEDACOM 苏州科达科技股份有限公司 Suzhou Keda Technology Co.,Ltd



3. Enter a scheme name.

The following is an example.

O New Scheme			×
Scheme Name	SchemeTest1		
		ОК	Cancel

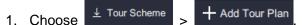
4. Click OK.

After the preceding steps are performed, a scheme is created. The following is an example.

Scheme	Settings		ĺ	×
Schemes	⊥ Tour Scheme	Multi-Screen Scheme		
SchemeTest1	SchemeTest2			
			Edit Scheme	Create Scheme

Touring Single Screen Schemes

To tour single screen schemes:



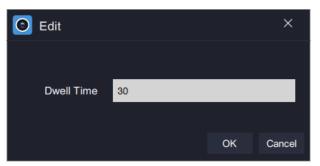
2. Enter a tour plan name.

Scheme Se	ttings						×
Schemes	⊥ Tour Scheme	Multi-Screen Scheme					
				Up	Down		
Tour Sch	eme	Scheme Name		Dwell T	ime	Scheme L	ist
		O New				🖽 SchemeTest1	
		_				E SchemeTest2	
		Tour Plan Name	TourTest1				
				ОК	Cancel		
+ Add Tour Plan	Un	ified Dwell Time	(10~3600s)	Save	Clear List		Start Tour

- 3. Click OK.
- 4. Drag schemes listed under **Scheme List** to the middle pane. The following is an example.

Scheme Se	ettings				×
Schemes	⊥ Tour Sche	me Multi-Screen Scheme			
			Up	Down	
Tour Sch	ieme	Scheme Name	Dwell Tir	me	Scheme List
🖽 TourTest1	8	SchemeTest1	30	⊗	E SchemeTest1
					I SchemeTest2
+ Add Tour Plan		Unified Dwell Time (10~3600	s) Save	Clear List	Start Tour

- 5. (Optional) Change the order of a scheme by clicking **Up** or **Down**.
- 6. (Optional) Double-click a scheme to change its dwell time.



- (Optional) Enter a value for Unified Dwell Time.
 After this, all schemes in a tour plan use this unified dwell time.
- 8. Click Save.
- 9. Click Start Tour.

After the preceding steps are performed, you can find the following two icons in the top right corner of the screen.



Creating a Multi-Screen Scheme

To create a multi-screen scheme:

- 1. On the Live page, select a screen layout and drag cameras to viewing screens.
- 2. Click to send the screen to a display (for example, display 1).
- 3. Click **I** to add a new tab page.

	vStation Pro		Control Pa	inel ×	🗄 Playback	+					
	0==		2	×	$\langle \hat{O} \rangle$	En	\bigcirc	$\langle \hat{O} \rangle$		$\langle \hat{O} \rangle$	
	Device C	Group	User	Local	Settings	Language	E-Map	AI	Log	N+1 Hot Backup	
4.	Click 🖳										
	vStation Pro	Control Panel	Playback		New Tab X -	F	CPU: Memory:	10% 48%	⊡ ⊥ - -	- 🗆 ×	
	Ŀ							AI Q	AI Q		
	Live		Playback		Е-Мар	Custom		AI Events	Search Arch	nive	

- 5. Repeat steps 1 and 2.
- In this step, send the screen to another display (for example, display 2).
- 6. Repeat steps 3, 4, and 1 in sequence.
- 7. Choose
 Image: Screen Scheme > Add Multi-Screen Scheme.

 vStation Pro
 Control Panel
 Playback
 Image: Live x + Control Panel

 Image: Screen Scheme
 Image: Screen Scheme > Add Multi-Screen Scheme.

 Image: Screen Scheme
 Image: Screen Scheme > Add Multi-Screen Scheme.

 Image: Screen Scheme
 Image: Screen Scheme > Add Multi-Screen Scheme.

 Image: Screen Scheme
 Image: Screen Scheme > Add Multi-Screen Scheme.

 Image: Screen Scheme
 Image: Screen Scheme > Add Multi-Screen Scheme.

 Image: Screen Scheme
 Image: Screen Scheme > Add Multi-Screen Scheme.

 Image: Screen Scheme
 Image: Screen Scheme > Add Multi-Screen Scheme.

 Image: Screen Scheme > Add Multi-Screen Scheme > Add Multi-Screen Scheme.
 Image: Screen Scheme > Add Multi-Screen Scheme.

 Image: Screen Scheme > Add Multi-Screen Scheme > Add Multi-Scheme > Add Multi-Scheme

After this, the current multi-screen settings (on display 1, display 2, and the local) are saved as a multi-screen scheme.

The following is an example.

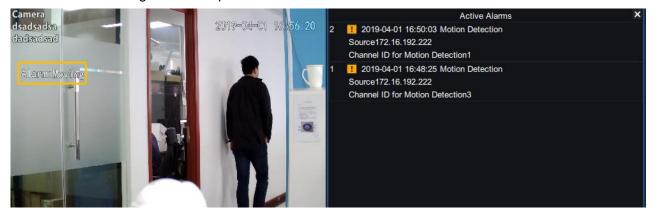
Scheme S	ettings			×
Schemes	⊥ Tour Scheme	Multi-Screen Scheme		
lulti-ScreenScheme1				
			Rename Multi-Screen Scheme	Add Multi-Screen Scheme

You can double-click a multi-screen scheme to load it.

Using Idle Viewing Windows

Showing Active Alarms

On an idle viewing window, you can choose **Active Alarms** to show active alarms on this window. The following is an example.



Showing Face Detection Real-Time Information

For details, see section "Querying Face Detection Captures".

Showing Figure Detection Real-Time Information

For details, see section "Querying Figure Detection Captures".

Showing Face Detection Alarms

For details, see section "Querying Face Detection Alarms".

Showing Person Capture Statistics

For details, see section "Querying Face Detection Capture Statistics".

Showing E-Map

For details, see section "Configuring E-Map".

Showing Vehicle Detection Real-Time Information

For details, see section "Querying Vehicle Detection Captures".

Showing Vehicle Panorama Real-Time Information

For details, see section "Querying Vehicle Panorama Detection Captures".

Showing Vehicle Detection Real-Time Logs

For details, see section "Querying Vehicle Detection Logs".

Showing Vehicle Capture Statistics

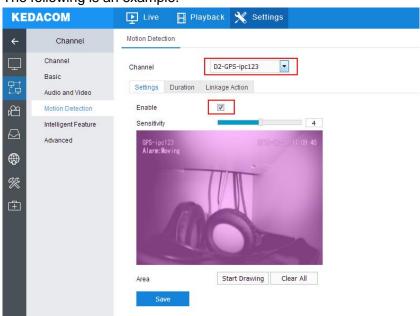
For details, see section "Querying Vehicle Detection Capture Statistics".

Linking to Alarm Information

Before using the function, ensure the following:

- The target NVR has HDDs installed and the HDDs have been formatted.
- The target camera registers with the target NVR using the ONVIF protocol and the camera registers only with this NVR.
- The motion detection and intelligent feature detections are enabled and configured for the target camera.

The following is an example.



Additionally, the alarm linkage must include "**Report Center**" and "**Snapshot**" (since there are no restrictions on snapshot channels, you can select any channels you want).

User Manual for vStation Pro

		🕒 Live 📑 Playb	ack 💥 Settings			1	admin 🧿 Help 🕞 Log Out	<u>0</u> 22 ⁶⁹
←	Channel	Motion Detection						^
다 23	Channel Basic Audio and Video		D2-IPCamera 💌 kage Action					
ř	Motion Detection	Regular Linkage	Linkage	Recording	Snapshot	PTZ D1 💌		
	Intelligent Feature Advanced	Sound Alert	Local>1 Local>2 Local>2 Local>4 Local>4 Local>6 Local>6 Local>6 Local>7 Local>8 Local>9 Local>10	D1 D2 D3 D4	 ✓ D1 ✓ D2 ✓ D3 ✓ D4 	Preset 1 V Tour 1 V		
		<						~ >

• The event-triggered capture interval is 30s.

	🗜 Live 🚦 Playback 🗙 Settings	🡤 admin	<u>0</u> 12 ⁸⁰
← Recording	Snapshot Schedule		
Recording Schedule Sinapshot Schedule Holiday Advanced % 1 1	Channel Capturing Mode Capturing Mode Capturing Mode Capture Mode Capture Interval Capture Inter		

• The vStation Pro servers to which you want the target NVR to push alarms information have been added. The following is an example.

ক্রি Configure Archive	<u>ইি</u> Import Picture	P _{i≡} Arming	IP vStation Pro Server
Server IP 172.16.192.245			
Settings	Query Delete		
IP	Port		
172.16.192.245	46789		
172.16.189.23	46789		

To query the alarm information on the Live page, on an idle viewing window, choose -> Link to Alarm Information. The following is an example.

User Manual for vStation Pro

Generated On	Alarm Channel	Alarm Type	Oper
2019-04-04 09:33:22	IPCamera	Motion Detection	Pic
2019-04-04 09:33:22	IPCamera	Motion Detection	<u>Pic</u>
2019-04-04 09:33:20	IPCamera	Motion Detection	<u>Pic</u>
2019-04-04 09:33:13	IPCamera	Motion Detection	<u>Pic</u>
2019-04-04 09:33:12	IPCamera	Motion Detection	Pic
2019-04-04 09:33:10	IPCamera	Motion Detection	<u>Pic</u>
2019-04-04 09:33:03	IPCamera	Motion Detection	<u>Pic</u>
2019-04-04 09:33:02	IPCamera	Motion Detection	<u>Pic</u>
2019-04-04 09:32:59	IPCamera	Motion Detection	<u>Pic</u>
2019-04-04 09:32:53	IPCamera	Motion Detection	<u>Pic</u>
2019-04-04 09:32:51	IPCamera	Motion Detection	<u>Pic</u>
2019-04-04-09:32:49	IPCamera	Motion Detection	Pic.

Clicking **Pic...** will show you the alarm capture on the viewing window where **Link to Alarm Captures** is selected.

If you choose - Link to Live Video, the live video of the target camera where a motion detection or intelligent feature alarm is generated will be pushed to the viewing window in operation. The live video viewing will last for only 10s.

If you choose **Solution** > **Link to Alarm Playback**, the pre-10s video of the target camera where a motion detection or intelligent feature alarm is generated will be pushed to the viewing window in operation. The playback will last for only 10s. For example, an alarm is generated at 16:00:00, the alarm playback starts at 15:59:50 and ends at 16:00:00.

Linking to Alarm Captures

For details, see section "Linking to Alarm Information".

Linking to Live Videos Viewing

For details, see section "Linking to Alarm Information".

Linking to Alarm Playbacks

For details, see section "Linking to Alarm Information".

Receiving Pushed Contents

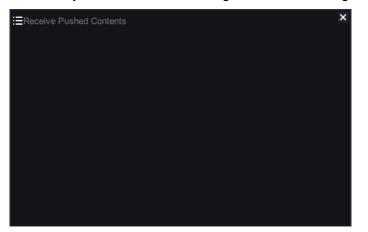
On an idle viewing window, you can choose **Receive Pushed Contents** to receive pushed viewing contents, which are pushed in the following way:

viewing contents, which are pushed in the following way:

1. Set When Double-Click Viewing Window to Push Viewing Contents.

🗿 vStatio	n Pro	🗄 Control	Panel X	모 Live	B	Playback	+			CPU: Memory:		5% 9% ↔	ب ۲	· _	×
0==		2	×	$\langle \circ \rangle$	En	\bigcirc	$\langle \hat{O} \rangle$		$\langle \hat{O} \rangle$						
Device	Group	User	Local	Settings	Language	E-Map	AI	Log	N+1 Hot Backup						
		Viewing Protocol					ТСР	0	JDP						
				Stream P	referred		Main Secondary								
				Picture Q	uality			Ordinary	r 🔿 High						
				Ratio				Fill		4:3	0 16:9				
		When Do			ble-Click Viewir	ng Window		/iew in Full Screer							
		Record			ord Save Path			witch Between Mai Jsh Viewing Conte ew in Full Screen			e/zh\vStationRecord	В	rowse		

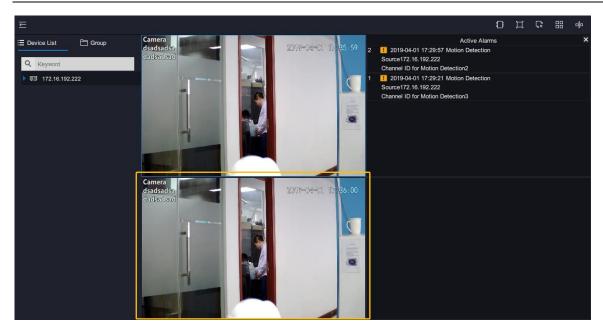
- 2. Click Save.
- 3. Select an idle viewing window and choose **Pushed Contents**. After this, you can find the following on the idle viewing window.



You can push viewing contents to multiple idle viewing windows.

4. On the Live page, double-click any viewing window with videos being viewed.

After the preceding steps are performed, you can find the pushed viewing contents on the idle viewing window. The following is an example.



To stop receiving pushed viewing contents, click \fbox in the top right corner.

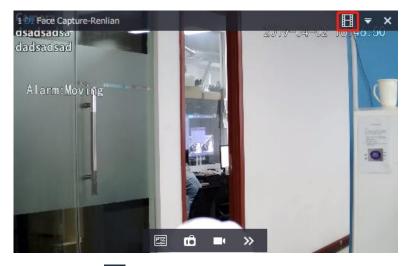
Playing Back

NOTE:

When a record is played back for the first time, the playback will start from the very beginning.

Starting an Instant Playback

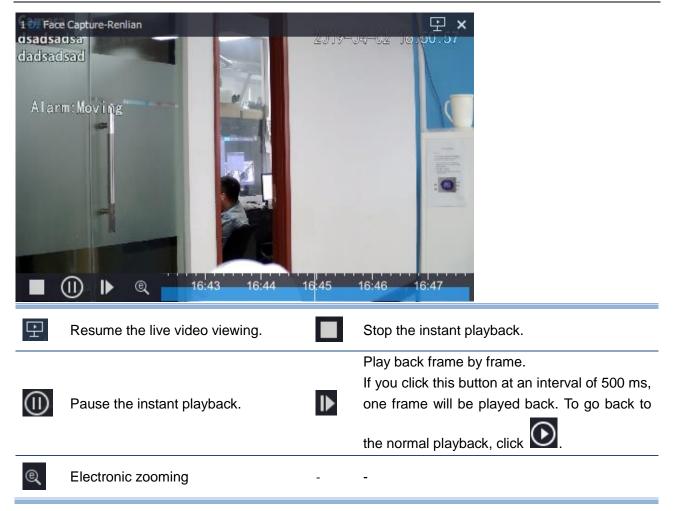
On the Live page, clicking III in the top right corner allows you to start an instant playback.



You can click to choose the instant playback length. For example, if you choose **10 min** and the current time is 16:30, the instant playback will start at 16:20.



After the instant playback is started, you can find the following controls.



Starting a Multi-Record Playback

NOTE:

A maximum of 16 channels can be played back at the same time.

To start a channel playback, on the **Playback** page, drag the target channel from the **Device List** on the left panel to the target playback window. You can also drag multiple channels to playback windows.

About the Playback Start Time

A playback is started immediately after the target channel is dragged to the target playback window. By default, the playback starts from the current day's earliest time when the record is available. For example, if a recording is started at 1:00, the playback will be started from 1:00 by default.

You can click 🛄 to change the playback start time.



A blue date indicates a record-available date and the timeline at the bottom is accurate to the minute.



Playback Controls

Playback controls on the top of the page are described as follows.

[]]	Çx 🗄 📫										
	View the playback page in full screen mode.	Stop all playbacks.									
	Change the screen layout.	Separate the Playback page from the main screen.									
Playba	Playback controls at the bottom of the page are described as follows.										
	2019-04-01 00:53:25 🛛 🗶 📕 📢 🕕 🕨	▶▶ ┠ ╋									
00	Starting a Synchronous Playback	Stop the playback.									
I	Go backward 30s with each click.	Slow the playback down. Every click will slow down the speed from 1/2X to 1/4X and then 1/8X and finally 1/16X. When the speed is 1/16X, clicking it will make the speed normal again.									

			Play back frame by frame.
			If you click this button at an interval of 500 ms,
(I)	Pause the playback.		one frame will be played back. To go back to
			the normal playback, click 💽.
₩	Accelerate the playback. Every click will increase the speed from 2X to 4X and then 8X 16X 32X and finally 64X. When the speed is 64X, clicking it will make the speed normal again.	۶I	Go forward 30s with each click.
			Take a capture. This icon displays after you
			click . Captures are saved in the path
			specified by Save Path for Snapshots
			During Playback.
Ŧ	Downloading Records	Ø	Ordering Party Image: Party Party Ima
*	Click it to start a recording during a playback. Click it again to stop the recording. The record is saved in an external	®,	Electronically zoom in or out. To zoom in, draw a pane in the target area starting from a top left corner. To cancel the zooming, draw a pane in
	storage unit.		the reverse direction.
()	Adjust the speaker volume or mute the speaker.	-	-

Starting a Synchronous Playback

NOTE:

The synchronous playback function applies only to the NVR2860E of V7.

To start a synchronous playback:

- 1. During a playback, click 🔳.
- 2. Drag target cameras to playback windows.



						×
	•	20	19Y 4	м		
Sun.	Mon.	Tues.	Wed.	Thur.	Fri.	Sat.
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				
5						
01	: 0	2:	32	Toda	y (ОК

Usually, cameras have different record-available dates. For synchronous playbacks, all these dates

are blue, for example, 2. From the view of the set theory, these blue dates are the union of the

selected cameras' record-available dates. For example, records are available on March 1 for camera 1 and records are available on March 2 for camera 2. In such a case, the dates March 1 and 2 are blue. Additionally, all these blue dates are displayed no matter which playback window is currently selected, which means you cannot see the record-available dates of a specific camera.

By default, the playback starts from the very beginning of the first record-available date

4. Click O.

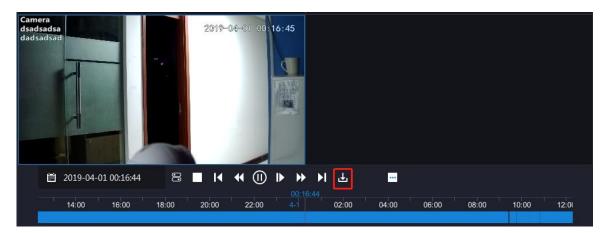
Downloading Records

NOTE:

If you cannot download records, check whether you have the record download authorization. For details, see section "Adding Client Accounts".

To download records of a camera:

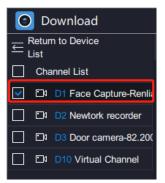
1. During a playback of the camera, click



2. Click the NVR with which the camera registers.



3. Select the camera from the Channel List.



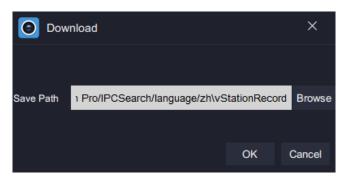
4. Specify Data Type, Event Type, Start Time, and End Time.

Download							×
$\underset{\text{List}}{\overset{\text{Return to Device}}{\leftarrow}}$	Query	ł	L Download List				
Channel List	Data Type	Record	\$	Event Type	All	$\hat{\mathbf{C}}$	
D1 Face Capture-Renlia		± 2010_0	4-01 19:22:52	End Time	2019-04-02 19:22:52		
D1 D2 Newtork recorder	otart fine	2015-0	4-01 13.22.32	Lind fillio	2019-04-02 19.22.32		
D3 Door camera-82.200	No.	Channel	Start	Time	End Time		Record Type
D10 Virtual Channel							

- 5. Click Query.
- 6. Select records you want to download and click **Download**.

Download							×
$\underset{\text{List}}{\leftarrow} \overset{\text{Return to Device}}{{\leftarrow}}$	Query		L Download List				
Channel List	Data Type	Record	0	Event Type Al			
D1 Face Capture-Renlia		i≣i 2019-0	4-01 19:22:52	End Time	2019-04-02 19:22:52		
D2 Newtork recorder				_			
D3 Door camera-82.20	✓ No.	Channel	Start Tim		End Time	Record Type	
D10 Virtual Channel	1	1	2019-04-01 19:22:52	20	019-04-01 19:36:38		
	2		2019-04-01 19:36:38	20	019-04-01 20:10:48		
	3		2019-04-01 20:10:48	20	019-04-01 20:44:57		
	✓ 4		2019-04-01 20:44:57	20	019-04-01 21:19:06		
	5		2019-04-01 21:19:06	20	019-04-01 21:53:15		
	6		2019-04-01 21:53:15	20	019-04-01 22:27:24		
	7		2019-04-01 22:27:24	20	019-04-01 23:01:34		
	8		2019-04-01 23:01:34	21	019-04-01 23:35:43		
	9		2019-04-01 23:35:43	20	019-04-02 00:09:53		
	v 10		2019-04-02 00:09:53	20	019-04-02 00:44:02		
	11		2019-04-02 00:44:02	20	019-04-02 01:18:11		
	V 12		2019-04-02 01:18:11	20	019-04-02 01:52:20		
						Query Download	d

7. Select a save path or use the default one.



The save path can be configured under Local.

🗿 vStation Pro	🔡 Control Panel 🗙 🖳	Live H Playback -	F	CPU: 12% Memory: 53%	• 1 = - 0 ×
	2 🐹	(\$) EN (\$) (\$)			
Device Group	User Local	Settings Language E-Map Al	Log N+1 Hot Backup		
	Viewing	Protocol		UDP	
		Stream Preferred	Main	Secondary	
		Picture Quality	Ordinary Ordinary	High	
		Ratio	• Fill •	4:3 16:9	
		When Double-Click Viewing Window	Push Viewing Contents		
	Record	Local Record Save Path	s (x86)/vStation Pro/IPCSearc	ch/language/zh\vStationRecord	Browse
		Downloaded Record Save Path	s (x86)/vStation Pro/IPCSearc	ch/language/zh\vStationRecord	Browse
	Snapshot	Save Path for Snapshots During Viewing	les (x86)/vStation Pro/IPCSea	arch/language/zh\vStationSnap	Browse
		Save Path for Snapshots During Playback	les (x86)/vStation Pro/IPCSea	arch/language/zh\vStationSnap	Browse
	Alarm Linkage	Sound Alert	F:\Program Files (x86)\vStatio	on Pro\alarm.wav	Browse
	Setup Wizard	Always Show Setup Wizard			
	Login	I Auto			
	Lock Screen	Enable	0 minutes later the vS	Station screen will be locked	
	Compatible Mode	Run this program in compatible mode. (*Take	effect after restarting.)	Save	

8. Click OK.

After this, you can find the following.

0									×
≓	Return to Device ist	Quer	у						
	Channel List	No.	Channel	Start Time		End Time	Re	cord Type	Download Progress
~	D1 Face Capture-Renlia	1		2019-04-01 19:22:52	2019-04-01	19:36:38			7.51%
	D2 Newtork recorder								
	D3 Door camera-82.200								
	D10 Virtual Channel								
								Stop	Clear Download List

In this step, you can stop the download.

Adding a New Tab Page

You can add new tab pages to show interested information. To add a new tab page:

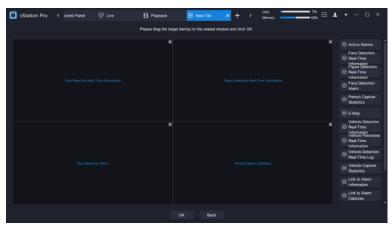
- 1. Click **+**.
- 2. Choose an option.

Þ	E			AI Q	AL Q					
Live	Playback	Е-Мар	Custom	AI Events	Search Archive					
▶ ⊥	Live Viewing									
	Play	ing Back								
	Con	figuring E-Ma	р							
	То с	reate a custo	m tag page:							
			1							

1. Select a screen layout.



 Drag topics on the right pane to viewing windows. The following is an example.



3. Click OK.



Searching AI Events



Searching Archived Pictures

Searching AI Events

To search AI events:

1. Specify the search criteria.

Station Pro < Control Pane	러 도 Live	Playback	Al Events ×	+ >		% ↔ ⊥	-	×□×
	Start Time 🛗 2019-04-09 1	.6:01:41 End Time 🗎	2019-04-10 16:01:41	Log Category	Face Detection			Advanced Sea
Q Keyword	Search			e dioger y				

In this step, you can click Advanced Search to add more conditions.

Start Time 🛗 2019-04-09 15:00:04	End Time 🛗 2019-04-10 15:00:04	Log Category	Face Detection 🛛 🔻	Archive	-	Hide Advanced
Trigger Alarm If All The ID	nnel 👻					
Search						

2. Click Search.

The following is an example.

vStation Pro	< ontrol Panel	모 Live	Playback	🔄 Sear	rch Archive 🔣	Al Events ×	- >	CPU: Memory:	50	·· ++	1	- & ×
. E Device List		Start Time 🖻 2019-0	4 00 14:44:07	Time 🗎 2019-0	4 10 14 44 07	Log Face Detection						
Q Keyword		Start Time m 2019-0	4-09 14.44.07 End	Time 2019-0	4-10 14.44.07	Category	on ₹ Archi	ve XII	· · ·	nde Advar		
100. 100. 83. 1		Trigger Alarm If		тт –								
		Search										
		No. Time	Source Name	Gender	Date of Identit	Identity ID	Address Oc	cup Phone	Similarity	Archive	Alarm Type	Operation
		1 2019-04-10	14:44 F5 Co	orridor					83	Danger	Blacklist	Picture Playb.
		2 2019-04-10	14:44 84203						77	Danger	Whitelist	Picture Playb.
		3 2019-04-10	14:43 84.202 Faye	Zhao Male	ID Card		Te	st Eng 158963	. 89	Danger	Blacklist	Picture Playb.
		4 2019-04-10	14:43 C of F5 Faye	Zhao Male	ID Card		Te	st Eng 158963	. 88	Danger	Blacklist	
		5 2019-04-10	14:43 C of F5 Zuma	Lee Male	ID Card				85	Danger	Blacklist	Picture Playb.
		6 2019-04-10	14:43 84.202 Zuma	a Lee Male	ID Card				83	Danger	Blacklist	Picture Playb.
		7 2019-04-10	14:43 84.202 Sani	F5 Female	ID Card				89	Danger	Blacklist	Picture Playb.
		8 2019-04-10	14:42 C of F5	Male	ID Card				88	Danger	Blacklist	Picture Playb.
		9 2019-04-10	14:42 84.202						82	Danger	Blacklist	
		10 2019-04-10	14:42 C of F5 Alesi	a Young Female	ID Card				88	Danger	Blacklist	Picture Playb.
		11 2019-04-10	14:41 84203						79	Danger	Whitelist	Picture Playb.
		12 2019-04-10	14:40 84203						73	Danger	Whitelist	Picture Playb.
		13 2019-04-10	14:39 Virtual D						100	VIP	Blacklist	Picture Playb.
		14 2019-04-10	14:39 Virtual D						100	VIP	Blacklist	Picture Playb.
		15 2019-04-10	14:39 Virtual D						100	VIP	Blacklist	Picture Playb.
		16 2019-04-10	14:39 Virtual D						100	VIP	Blacklist	Picture Playb.
		17 2019-04-10	14:39 Virtual D						100	VIP	Blacklist	Picture Playb.
		18 2019-04-10	14:39 Virtual D						100	VIP	Blacklist	Picture Playb.
		19 2019-04-10	14:39 Virtual D						100	VIP	Blacklist	Picture Playb.
		Export							< 1 2	3 4	5 > 1	Page 1 / 10.

In this step, you can click **Picture** to see the archived picture and the capture. The following is an example.



KEDACOM 苏州科达科技股份有限公司 Suzhou Keda Technology Co.,Ltd If you click **Playback**, you can find the following.



You can drag the timeline to see previous videos.

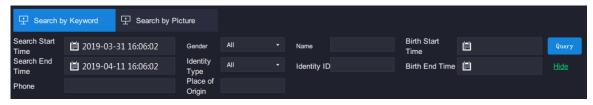
Searching Archived Pictures

To search archived pictures:

1. Select the target archive.

You can select Face Real-Time to search real-time face captures.

- 2. (Optional) Click Search by Keyword.
 - 1) Specify the search criteria.



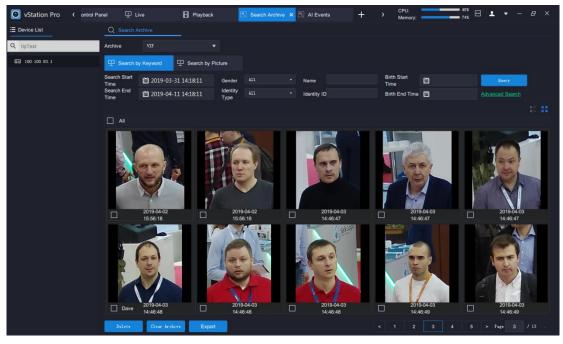
2) Click Query.

The following is an example.

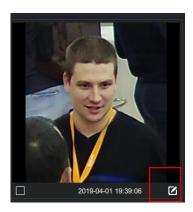
O vStation Pro K ontrol Pa	anel 🗜	Live	Playback		Search Archive X	Al Events	+	CPU: Memory:	50% 74%	· ·	- & ×
E Device List	Q Search	Archive									
Q tipText	Archive										
原章 100.100.83.1	🗜 Search	by Keyword	Search by Pict	ıre							
	Search Start Time	2019-03-31	14:18:11	Gender	A11 •	Name		Birth Start Time		Query	
	Search End Time	2019-04-11		Identity Type	A11 -	Identity ID		Birth End Time 🧮			
	No.	Name	Gender	Identity T	ype Identity I		Date of Birth	Place of Origin	Phone	Operation	
	21									<u>Delete</u>	Edit
	22										
	23										
	24										
	25										
	26	Dave		Identity C	ard			Russian			
	27										
	28										
	29										
	30										
	Delete	Clear Archiv					<	1 2	3 4 5	> Page 3	/ 13 .

If you enter no information when archiving a picture, you will find no information displayed, as shown in the preceding figure. In this step, you can click **Edit** to add information for the picture.

You can click to show archived pictures. The following is an example.



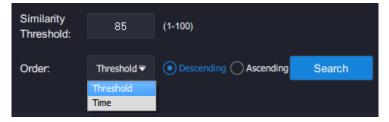
If you move your cursor to a picture, you can find the *editing* button, as shown in the following figure. In such a case, you can add information for the picture.



- 3. (Optional) Click Search by Picture.
 - 1) Click to upload a picture.

♀ Search by Keyword	I 🗜 Se	arch by Pictu	re	
+	.			
	Similarity Threshold:	85	(1-100)	
	Order:	Threshold ▼	Descending Ascending	Search

2) Specify **Similarity Threshold** and **Order** and choose the **Descending** or **Ascending** order.

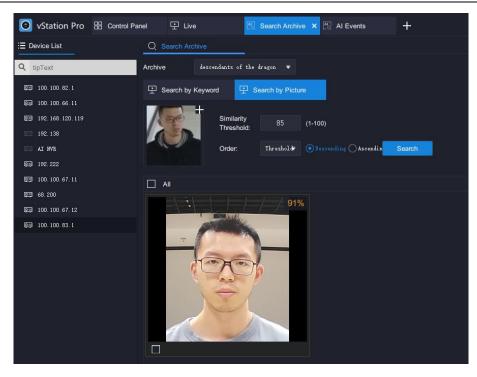


The **Time** value indicates the archived time.

3) Click Search.

The following is an example.

User Manual for vStation Pro



Abbreviations and Acronyms

- AI Artificial Intelligence
- NVR Network Video Recorder
- PC personal computer