## **Face Recognition NVR Instruction (IE operation)**

### -VCA Setting

Tiandy	Live View	Playback	Log	Configuratio	n	EW
Basic Set	Create	Rule				
Channel Managem	nent			_	-	
Audio Video Set		Channel No. [1] Channel	1	✓ Enabled	4、	Enable
Network	Event Set	t			•	
Event Schedule	Apr 17 20	219 10:31:27	Char	nnel 1		Receive Pictures. 5, select
Create Rule				Ever	nt Selection	n Behavior Anal Demographics Crowd Detection
Face Library 5			X	- H		On Duty Dete Illiegal Paking Safety Helmet
Intelligent Retrieval Online VCA Log		1 Salart	1 2			□Video Detection □Audio Detection □Panorama Tra
Storage	_	8			Event Type	e Not Selected
System			1			
	Sav	e Cancel				
		5				

## 1. Create Rule: VCA-Create Rule

Tips:

Different cameras may have difference, but only you need to choose"Receive

Pictures"

### 2. Create Face Library:

1. Add Face Library:

<b>Fiandy</b>	Live View		Playback	Log	Cor	nfiguration	EW	
Basic Set	м	lanagem	ent Of Face Library	Face Library N	Janagement			
Channel Manageme	nt 🚽				-			
Audio Video Set		No.	Title Nan	ne	Edit	Import	Export	Synchronize to fron
Network		1	gsssss		Edit	Import	Export	Synchronize to fron
Event Schedule		2	5000		Edit	Import	Export	Synchronize to fron
VCA 2								
Create Rule			4	4				
Face Library								
Facial Configuration								
Intelligent Retrieval								
Online VCA Log								
Storage								
System								
			5					
		Add	Remove	Model all	Enable authentic	ation		
		Auu	Remove			e original picture		Number of modeled: 482

Configuration	EW			
Add Im Im Im	1 adc Title Name Describe	the face	library	name
L		2	Confirm	

2. Afterward, you can do edit, import and export.

Tiandy	Live View	v	Playback Log	Co	nfiguration	EW			
Basic Set		Manageme	nt Of Face Library Face Libra	rv Management					
Channel Managemer	nt	-		, ,				_	
Audio Video Set		No.	Title Name	Edit	Import	Export	Synchronize to fron		
Network		1	gsssss	Edit	Import	Export	Synchronize to fron		
Event Schedule		2	5000	Edit	Import	Export	Synchronize to fron		
VCA		3	test11	Edit	Import	Export	Synchronize to fron		synchronize face
Create Rule					11-				5,
Face Library			import	face	ፈይ	4	<b>ነ</b>	•	liabrary to camera
Facial Configuration			import	lace	V	<b>∖</b>			habiary to camera
Intelligent Retrieval Online VCA Log					, V	· ·			
Storage			import library	box fi	le	expo	ort face		
System			· · · · · · · · · · · · · · · · · · ·						
System						libra	ry box f	ile	
						more	iy son i	iii C	
		Add	Remove Model all	Enable authentio	ation				

Tips:

- (1) Import box file which got from another NVR, the box file contain face information. If you not get a box file, add face library as the next step.
- (2) Exporting box file only can be used by another NVR which can't be edited.

#### 3. Add face pictures

1. Choose face library you add, and then add pictures in the face library:

Tiandy	Live View	Playba	ck	Log	С	onfiguration	EW	
Basic Set	N	lanagement Of Face I	Library Fac	e Library Mana	gement	1		
Channel Management				_	ال	4		
Audio Video Set		Face Library	test11		$\checkmark$	Nan	ne	
Network		5、œ@n	oose	face	lib	ary National	ty All	V
Event Schedule			1970-01-01				av 2019-04-17	00
VCA 2.		Start Of Birthday	1970-01-01		Ê	End Of Birthda	ay 2019-04-17	Ê
Create Rule		Province	All		~	С	ty All	$\checkmark$
Face Library						0		
Facial Configuration		Certificate Type	All		$\checkmark$	Certificate N	0.	
Intelligent Retrieval		State Of Modeling	All		$\checkmark$			
Online VCA Log								
Storage			Look up	Look up	Ad	id Import	Enable aut	hentication
System								

2、Way1: click Add and complete the information:

/ Management	Add	1, a Photo	Upload	turs <sup>×</sup>
End C		inpı	it name	<b>a</b>
Ip Add		Name		
<b>)</b> :f		Gender Nationality	Unknown	
3、infor	natio	Rirthday Province	2019-04-17 Unknown	
		City	Unknown	<b>V</b>
		ificate Type rtificate No.	Unknown	
			Confirm	Cancel

3、 way2: You can also import pictures through batch mode;

Tiandy	Live Vie	w Playba	ick	Log		Config	juration 1	EW	
Basic Set		Management Of Face	Library F	ace Library Mana	agemen	1			
Channel Managemen	t				-				
Audio Video Set		Face Library	gsssss		~	E	Name		
Network		Gender	All		~	S	Nationality	All	~
VCA Z		Start Of Birthday	1970-01-01		Ê		End Of Birthday	2019-04-17	<b>m</b>
Create Rule		Province	All		~		City	All	~
Face Library 🤰		Certificate Type	All		~		Certificate No.		
Facial Configuration		Certificate Type	All		•		Certificate No.		
Intelligent Retrieval		State Of Modeling	All		$\checkmark$			6	
Online VCA Log									
Storage			Look up	Look up		Add	Import	Enable authe	entication
System									

Import	×	
Import File (*.jpg,*.png)		
Note: It is recommended to import no more than 500 copies each time Note: Picture size should be between 100*100 and 1920*1080 Browse Import		
	Import File (*.jpg,*.png) Note: It is recommended to import no more than 500 copies each time Note: Picture size should be between 100*100 and 1920*1080	Import Import File (*.jpg,*.png) Note: It is recommended to import no more than 500 copies each time Note: Picture size should be between 100*100 and 1920*1080

Tips: If the photo is not exactly right, it will give failed information which results to the failed import.

#### 4. Face Detection

1、Facial Configuration—Face detection:

Tiandy	Live View	Playback	Log	Config	uration 1	EW	
Basic Set	Face De		anition				
Channel Managem			-				
Audio Video Set		Channel No. [1] Chann		⊻ 5	、 choose	e channel	
Network	Det	ection Status		Enal	bled		
Event Schedule	Snapshot	Schedule Linkage	et right mo	de			
VCA 2	onapsilo	/ Schedule / Ellikage					
Create Rule	Apr 18 20	19 09:35:06	Cha	nnel 1	Sensitivity		60
Face Library	3	1			Snap Times	1	
Facial Configuratio				QC	Min Ener Oine	49	_
Online VCA Log				8444	Min Face Size	49	
Storage	_					Show Minimal Face Size	
System	_						
			S. Y I				
		5	start to Draw Line	Clear			
	_	<u> </u>	7. (	draw de	etection a	irea	
	Sav	e Next	Cancel				

**Tips:** 

(1) Using normal cameras, it will only be shown "NVR Detect Faces";

Using face detection cameras, it will be shown both "NVR Detect Faces" and "IPC Detect Faces";

Using face recognition cameras, it will only be shown "IPC Detect Faces";

(2) When you choose "IPC Detect Faces", when drawing the area, you can

draw detection area; when you choose "NVR Detect Faces", it will not show the drawing area, as it contains all video box, default will work;

(3) There will be a little difference in setting between "NVR Detect Faces" and

#### "IPC Detect Faces";

2、 click Save and Next, set schedule; Note that the default setting is 24 hours.

Tiandy	Live \	/iew	Play	yback			Log			Configu	ration		E	W			
Basic Set		Face De	etection	Face Re	ecogni	tion											
Channel Manageme	ent																
Audio Video Set			Channel No	0. [1] CI	nannel '	1			$\checkmark$								
Network		Det	ection Statu	IS NVR	Detect	Faces			~	Enabl	ed						
Event Schedule		Snapshot	Schedul	e )	e												
VCA			/	_/		-		A.U.									
Create Rule				× De	ilete	ш	Delete /	All									
Face Library Facial Configuration	1			0	2	4	6	8	10	12	14	16	18	2	0	22	24
Intelligent Retrieval			Mon	0	2	4	6	8	10	12	14	16	18		:0	22	24
Online VCA Log			Tue		2	4		0	10	12	14	16	10	1		22	24
Storage				0	2	4	6	8	10	12	14	16	18	2	0	22	24
System			Wed	0													
			Thu		2	4	6	8	10	12	14	16	18	2	0	22	24
				0	2	4	6	8	10	12	14	16	18	2	:0	22	24
			Fri														
			Sat	0	2	4	6	8	10	12	14	16	18	2	0	22	24
				0	2	4	6	8	10	12	14	16	18	2	:0	22	24
			Sun														
		Sav	e	Next		Cano	cel										

3、 Click Save and Next, set linkage mode;

Tiandy Liv	e View Playback	Log Configuration	EW	
Basic Set	Face Detection Face Recognition			
Channel Management				
Audio Video Set	Channel No. [1] Channel 1	V		
Network	Detection Status NVR Detect Fac	Enabled		
Event Schedule	Snapshot Schedule Linkage			
VCA				
Create Rule	Common Link	Rec Link Snap	PTZ Linkage [1] Ch 💙	
Face Library Facial Configuration	Buzzer [1] Cl	nannel 1 🗌 [1] Channel 1	Preset	
Intelligent Retrieval	□ OSD		1	
Online VCA Log	Send Email		Mode	
Storage	Attach Picture		1	set the linkage you
System	Pic One		Cruise Path	want do
	[1] Channel 1		1	Walle do
	🗆 Plan			
	[1] Alias1 🗸			
	Save Cancel			

OSD: When the face is detected, the UI live view will show the red bell;

Send Email needs NVR be connected to the internet;

Pic One: When the face is detected, it will turn to one screen showing;

Plan: it will show customized text in the lower right corner of screen;

### 5. Face Recognition

1) Alarm of discerning: when a face is found in the face library, the alarm will be

triggered.

Tiandy	Live View	Play	back	Log	Configurat	ion	EW	
Basic Set	Face	Detection	Face Reco	gnition				
Channel Manageme	nt				1,	chc	ose right channel	
Audio Video Set	_	Channel No	[1] Cha	nnel 1	V I.	cric	ose fight channel	
Network	Alarm of	discerning	NVR De	etection	Enabled	1		
Event Schedule	Alarm of	Alarm of	Alorm of	r Alarm of	1	2、	enable recognition	
VCA	Alaini o	Alann ol	Alamii O	I AldIII 0I				
Create Rule	3		Enable	e Discerning				
Face Library			🗹 Uploa	d Recognition Ir	formation			
Facial Configuration								
Intelligent Retrieval		Simila	arity		73			_
Online VCA Log				No.	Name Of Face Librar	r	Operation	
Storage				1	qsssss		Setting Of Alarm Setting Link	
System				2	5000		Setting Of Alarm Setting Link	
				3	test11		Setting Of Alarm Setting Link	4、choose face
				0	100111		County of Addition County Link	library and set link
								next step
		Sott	ng Of A	larm Setting	Link			nexcep
		Sett	IIG OI A	aann setting				
					5、set link			
			Set	ting O	J, Set mik			
	-							
		Save	Cancel					
	6							
	0							

Tips:

1、 Using face recognition camera, you can choose "IPC detection".

2, "Upload Recognition Information" means upload information to the face server (the default setting will be ok);

2) Alarm of stranger: it will be triggered if the detected face is not in the face library.

Tiandy Live	View Playback	Log	Configuration	EW
Basic Set	Face Detection Face Recog	nition		
Channel Management				
Audio Video Set	Chappel No. [1] Chann	el 1	<ul> <li>Image: A set of the set of the</li></ul>	
Network	Alarm of stranger	ection	<ul> <li>Enabled</li> </ul>	
Event Schedule	1.1.	_		
VCA	Alarm of Alarm of Alarm of r.	Alarm of		
Create Rule	Enable	Stranger 2		
Face Library	✓ Upload	Recognition Information		
Facial Configuration	Linkage Setti			
Intelligent Retrieval	<u>Linkage Setti</u>			
Online VCA Log	Save Cancel			
Storage	Save Cancel			
System	3			

2) Alarm of rate: it will be triggered if the recognized face rate be more than that

you set.				
Tiandy Liv	e View Playback	Log Configuration	EW	
Basic Set	Face Detection Face Recognition			
Channel Management		_		
Audio Video Set	Channel No. [1] Channel 1	×		
Network	State Of Reco	▼ Enabled		
Event Schedule	Alarm of Alarm of Alarm of r Alar			
VCA				
Create Rule	Enable Rate	2		
Face Library	Upload Record	nition Information		
Facial Configuration Intelligent Retrieval	Time Range	7 (h)		
Online VCA Log	Rate	3, 3, 9	set face can be detectioin times during	
Storage			the time reasons you getting	
System	Similarity	21	the time range you setting	
oyotom	Whitelist No.	Name Of Face Lib	library	
		gsssss		
	2	5000	4、white list : will not alarm in white	a list
	3	test11		. 1150
			face library	
	Setting O Save Cancel	5		

 Alarm of detention: it will be triggered when the face stay time is more than that you set.

Tiandy Live V	/iew Play	back	Log	Configuration	EW				
Basic Set	Face Detection	Face Recognit	on						
Channel Management		_							
Audio Video Set	Channel No			2					
Network	State Of Recognitio	Alarm	n of detention	Enabled					
Event Schedule	-		1	E					
VCA	Alarm of Alarm of	Alarm of Alarm of r. Alarm of r. Alarm of							
Create Rule		Enable De	tention 2						
Face Library		Upload Re	cognition Information						
Facial Configuration	Duration Of Detentio	n 🔵 — — —	0	Secon 🗸					
Intelligent Retrieval Online VCA Log		-			3, set how long th	e a fac	e can stay		
•	Similarit		0						
Storage	Whitelis	t 🗌 No.		Name Of Face Lil	brary				
System	· · · · ·			gsssss	Sidiy				
		2		5000			4、white list face		
		3		test11					
				lesin			library will not		
							alarm		
							alarm		
		_							
	setting O								
	Save	Cancel							
	6								

#### **Tips:**

(1) If you set a same link in face detection and face recognition, the face detection link will be disabled;

(2) Face recognition will be only shown in the NVR GUI.