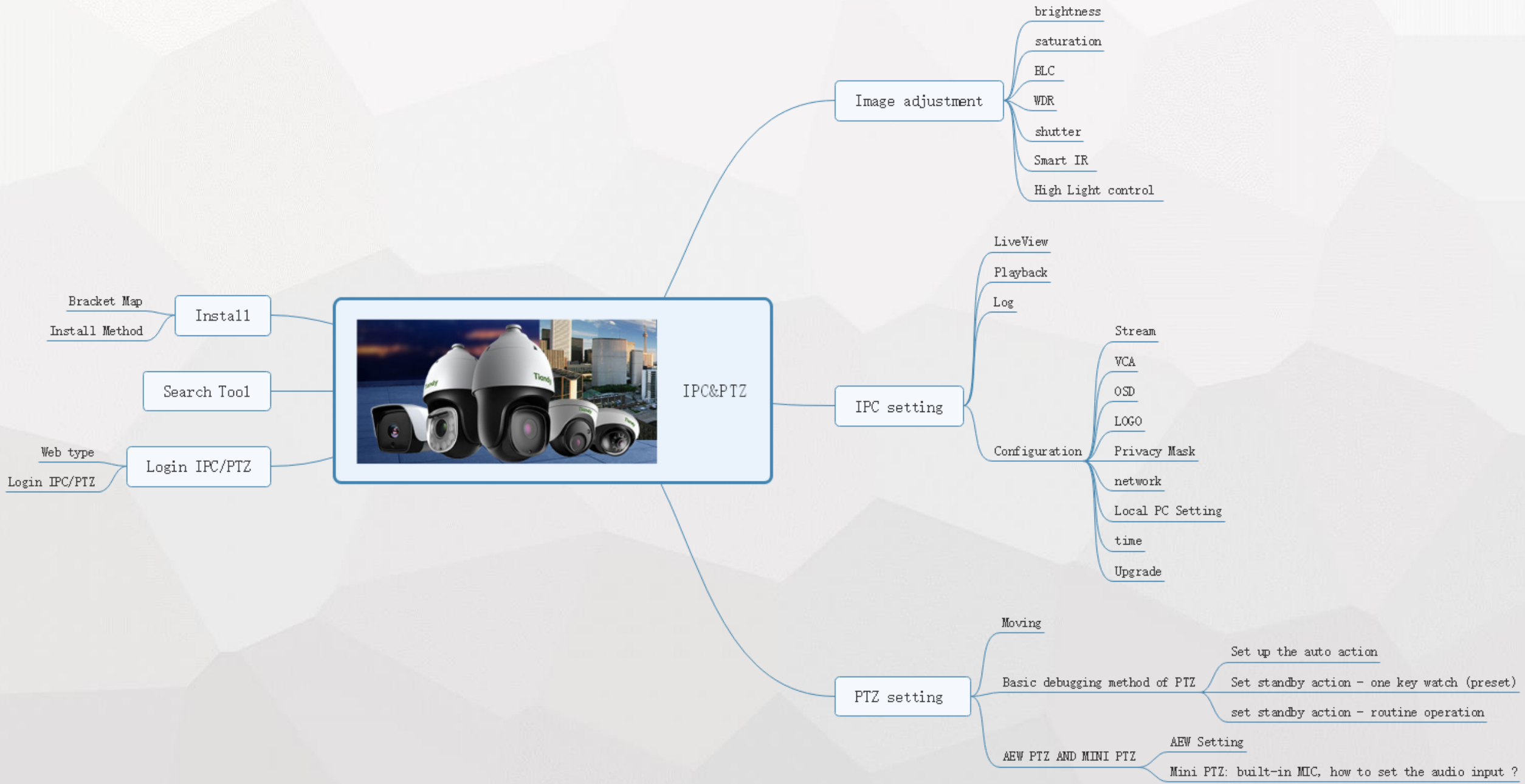


IPC&PTZ debug method

Daikon
12/10/2017



Intallation



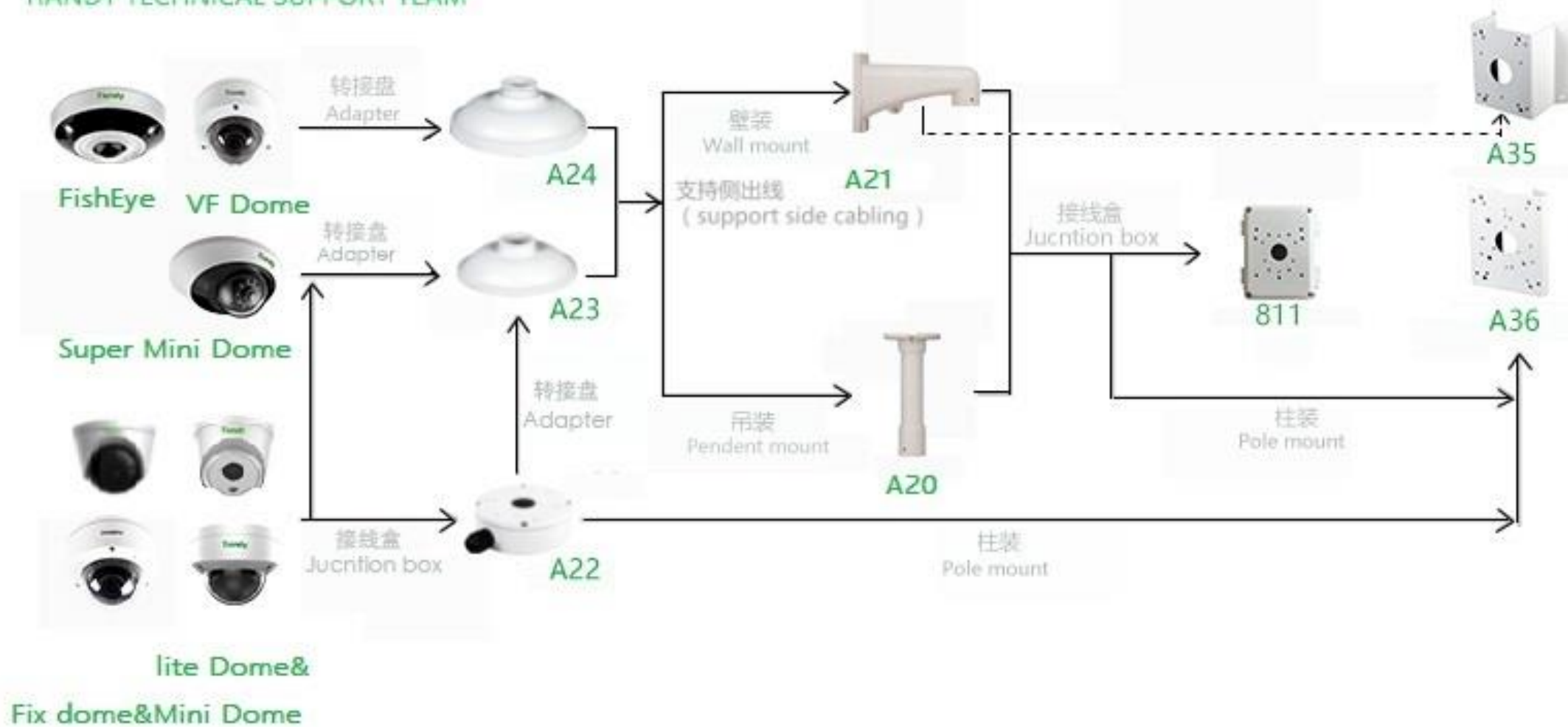
01

Bracket

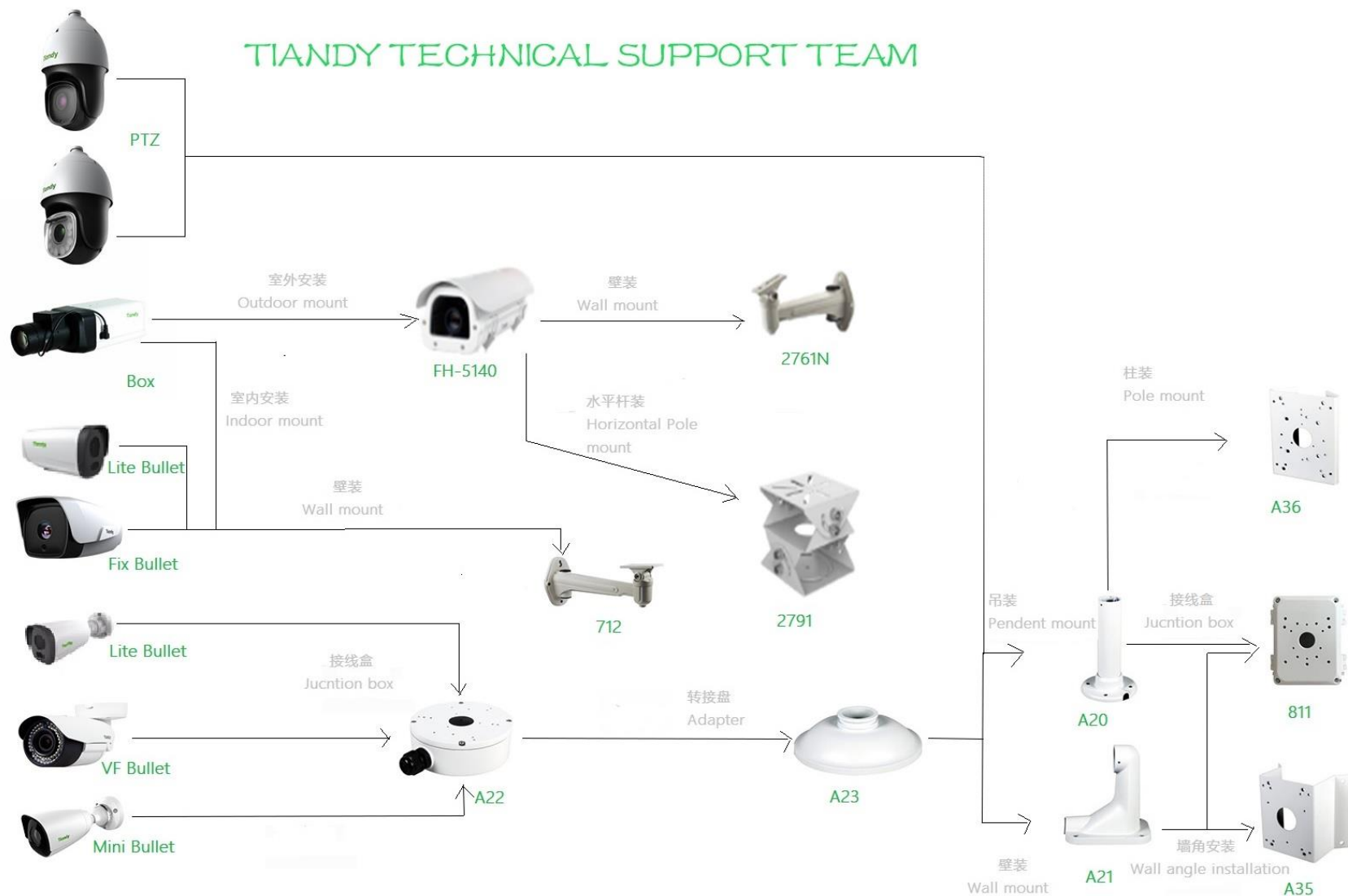
02

Intallation Method

TIANDY TECHNICAL SUPPORT TEAM



TIANDY TECHNICAL SUPPORT TEAM







Search Tool



01

Download Search tool

02

Use Search tool

SEC 01

Download Search tool

<http://en.tiandy.com/dlcat/sdk-tools/>

The screenshot shows the Tiandy website's 'SDK & Tools / Sdk Tools' page. The page features a navigation menu with 'Home', 'IP Products', 'Support', 'Partner', and 'About Us'. Below the navigation is a banner image of a city skyline at sunset. The main content area displays a list of software tools with their release dates and names. The entry '[2017-09-20] SearchConfigTool_Build20161224' is highlighted with a red box. Each entry also includes a download icon on the right side.











Date	Tool Name	Download Icon
[2017-10-12]	Easy7 Smart Client Professional V7.12T_SP4	Download
[2017-10-12]	Easy7 Smart Client Express V7.12T_SP4	Download
[2017-09-20]	SearchConfigTool_Build20161224	Download
[2017-04-05]	EN-NetSDK (Windows32)20170405	Download
[2017-04-05]	EN-NetSDK(Linux32)20170405	Download
[2017-02-16]	EN-PlaySDKM4 (for Windows 64)20170216	Download
[2017-02-16]	EN-PlaySDKM4 (for Windows 32)20170216	Download
[2017-01-24]	EN-NetSDK(Windows64)V4.3_build20170110	Download
[2017-01-24]	EN-NetSDK(Linux64)V4.0.0.3_build20170110	Download
[2017-01-24]	EN-SwallowOcx(Windows64)V6.1_build20170109	Download
[2016-09-11]	EN-NVSSDK_Win32_V4.0.0.3_Build	Download
[2016-09-11]	H.264 Player	Download
[2016-09-11]	H.265 Player	Download
[2016-09-11]	SDV to AVI convertor	Download
[2016-09-11]	SearchConfigTool_V1.0.0.3_Build	Download
[2016-09-11]	WRF Player v3.17	Download
[2016-08-01]	Mobile APP -Android	Download
[2016-04-21]	TD Player	Download
[2016-04-21]	IP searcher	Download

[SearchConfigTool](#)

Search&Config Tool Build20161224

Network Device Batch Mode Common Tool English

Refresh Login Research Set OutPut Retrieve Cipher

NO.	Device Type	Channel	IP Address	Service Port	Http Port	Subnet Mask	Gateway	Mac Address	Runtime(s)	
1	IPC	1	192.168.1.4	3000	80	255.255.255.0	192.168.1.1	00:50:C2:59:B2:DD	97095	 
2	IPC/PTZ	1	10.30.10.31	3000	80	255.255.255.0	10.30.10.1	00:50:C2:28:2A:2C	692913	 
3	IPC	1	10.30.10.32	3000	80	255.255.255.0	10.30.10.1	00:50:C2:4A:93:ED	2280	 
4	NVR	32	10.30.10.116	3000	80	255.255.255.0	10.30.10.1	00:50:C2:54:8E:4F	346004	 
5	IPC	0	10.30.10.201	3000	80	255.255.255.0	10.30.10.1	04:5F:5B:93:80:4C	0	 

Login IPC&PTZ



01

Web type

02

Login IPC&PTZ

Web 5.0

Tiandy English

User Name

Password

Port

Login

©Tiandy Co.,Ltd All Rights Reserved

Web 6.0

English

NETVIDEO

User Name

Password

Login

Login device



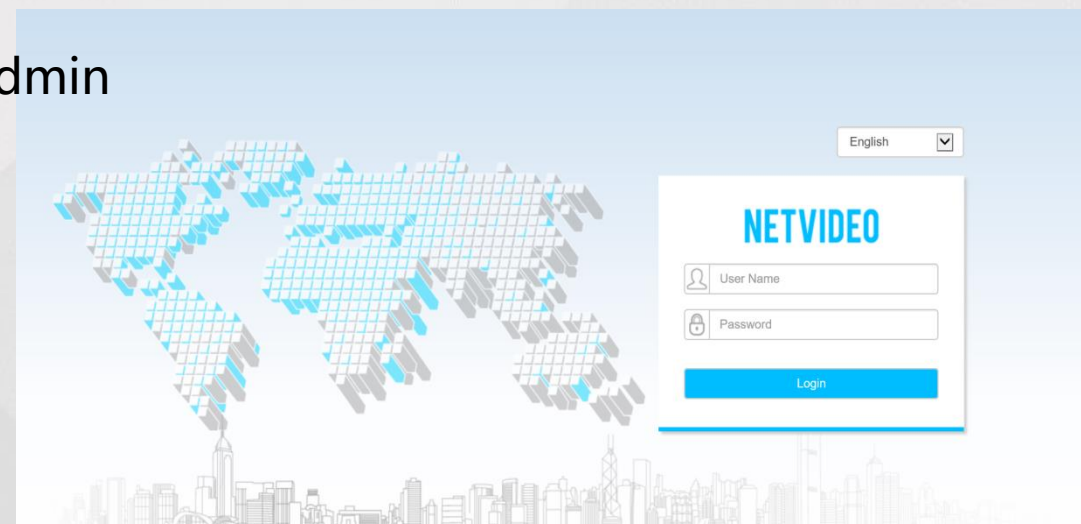
The image shows a login interface for a Tiandy device. It features the Tiandy logo in green at the top left. To the right of the logo is a language selection dropdown menu currently set to 'English'. Below the logo, there are three input fields: 'User Name' with the text 'admin' entered, 'Password' (empty), and 'Port' with the text '3000' entered. A green 'Login' button is positioned below the input fields. The background of the interface is white with a subtle grey wave pattern at the bottom.

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Default IP:192.168.1.2

user: admin

password: admin



The image shows a login interface for a NETVIDEO device. It features a blue and white color scheme. On the left, there is a stylized world map composed of blue and grey grid squares. On the right, there is a white login box with the NETVIDEO logo in blue. Above the login box is a language selection dropdown menu set to 'English'. Inside the login box, there are two input fields: 'User Name' and 'Password', both empty. A blue 'Login' button is located at the bottom of the login box. The background is light blue with a grey city skyline silhouette at the bottom.

Image
adjustment

Tiandy

SUPER STARLIGHT

24-hour color surveillance



Exclusive TVP technology designed by TIANDY
Ultra-low light at 0.0008Lux



SUPER STARLIGHT

NAKED EYE

**Basic Set****Video**[Stream](#)[Image](#)[Schedule](#)[Day/Night](#)[Snapshot](#)[OSD](#)[LOGO](#)[Privacy Mask](#)**Audio****Network****Event Schedule****VCA****Storage****System****Model**

Current Template

Indoor

Image Adjustment

Brightness

50

Contrast

50

Saturation

50

Hue

50

Sharpness

50

White Balance

Auto

Image Style

Self-Adaptive

Indoor/Outdoor

Indoor

Exposure Set**Back Light Set****Image****Enhancement**

Save

Cancel

Defaults

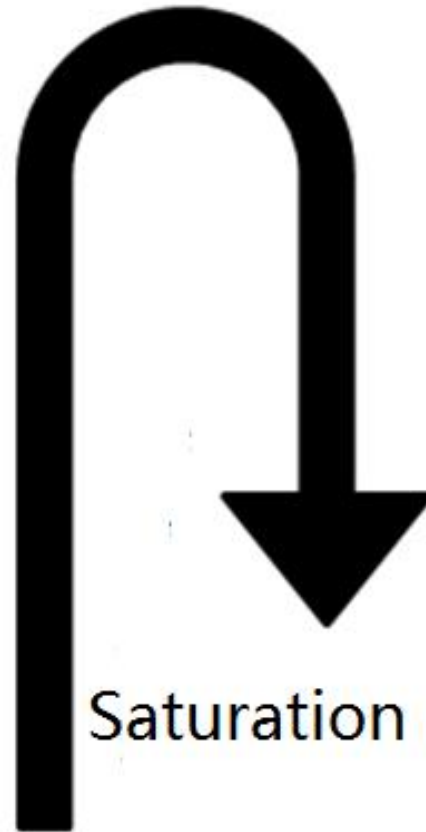
Meaning of brightness

Brightness - The higher the value, the brighter the image, but may be exposed.



Meaning of saturation

Saturation - Color intensity, when saturation is 0, the image become black and white

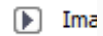


Saturation decrease

Model

Current Template

Indoor



Ima

> Image Adjustment



Exp

< Exposure Set

Auto Exp

SmartIR

Disabled



Auto Aperture

Disabled



Max E

Shutter



1/12

Gain



66

Targ

Brightness



43

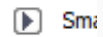


Foc

Auto Exposure



25

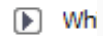


Sm



Bac

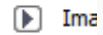
> Back Light Set



Wh

> Image

Enhancement



Ima

Save

Cancel

Defaults

We can adjust SmartIR and Shutter at this interface

Meaning of BLC

- BLC- Increase the brightness of the whole image.



Turn off BLC



Turn on BLC

Meaning of WDR

Use WDR in backlight environment, background darker and brighter prospects



Meaning of shutter

- the faster shutter speed, the moving target appears "frozen" ;
- the slower, the image has a tail.



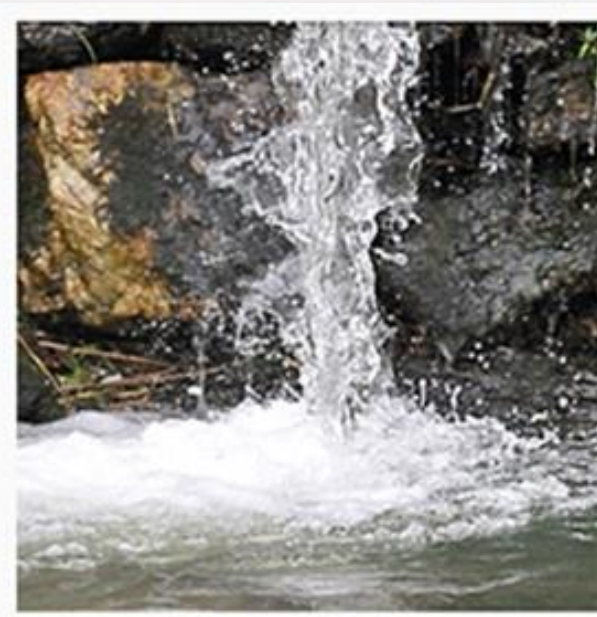
exposure shutter 1/160 seconds



exposure shutter 1/80 seconds



exposure shutter 1/8000 seconds



exposure shutter 1/5000 seconds

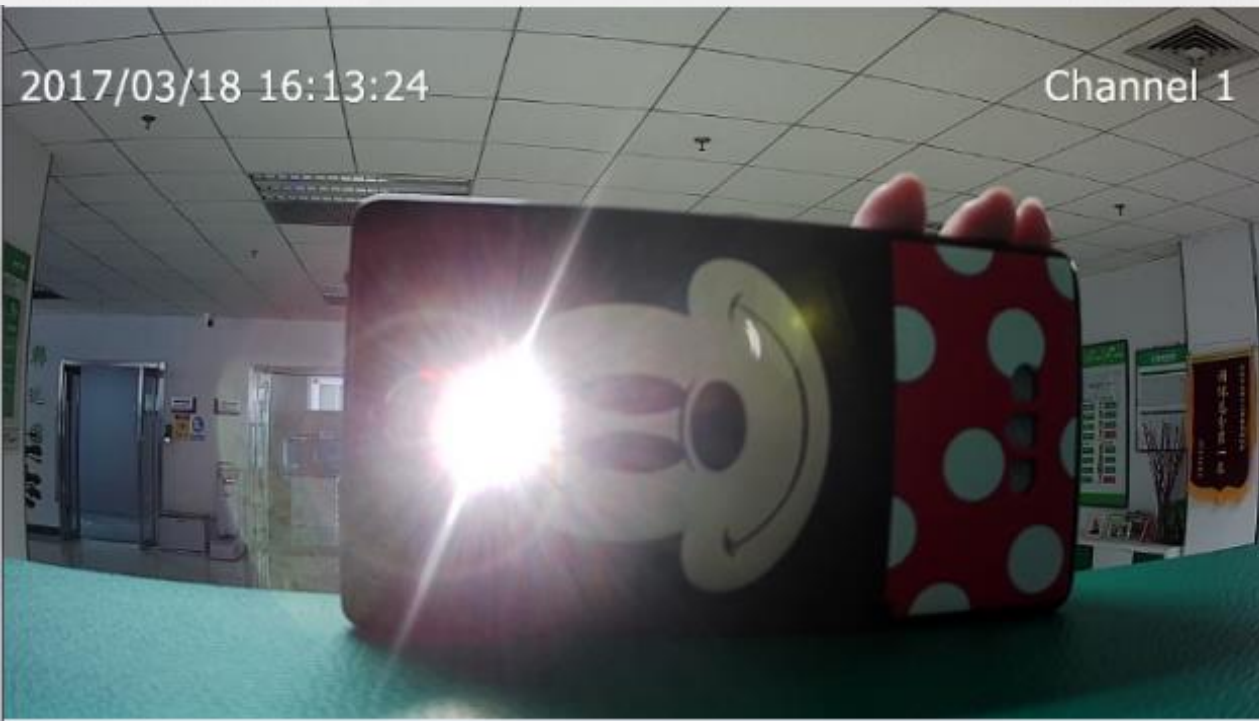
Meaning of smart IR

The following image shows off Smart IR on the left and Smart IR on the right.



Meaning of HLC

The left image is to close High Light Control, and the right image is to enable High Light Control.



IPC Setting

Tiandy 视界为世界
Vision For World



STARLIGHT IT

Oct 24

1st Stream

2nd Stream

3rd Stream

Control area

2017/11/08 11:51:23

Channel 1

Please change your password to ensure security

1st Stream

2nd Stream

今日优选 双十一



Please change password in time for security .



十一月 2017

日	一	二	三	四	五	六
29	30	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	1	2

FileType Record

RecType All

Search

<input type="checkbox"/>	Chn...	Start Time	Stop Time	Type
--------------------------	--------	------------	-----------	------

2017-11-08 00:00:00

11:00 12:00 13:00 14:00 15:00 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00 00:00 01:00 02:00 03:00 04:00 05:00 06:00 07:00 08:00 09:00 10:00 11:00 12:00 13:00

Schedule Event Manual



Navigation icons: Previous, Home, 0/0, Next, Stop



Channel No.

Start Time

No.

Channel No.

All Channel



Log Type

All Type



Start Time

2017-11-08 00:00:00



End Time

2017-11-08 23:59:59



No.	Channel	Type	Time	User	Content
-----	---------	------	------	------	---------



- Audio Video S
- Stream Set
- Audio Set
- Key Regio
- Dome Set
- Early-warnin
- VCA
- OSD
- Storage Man
- Network Mar
- User Manage
- Alarm Manag
- PTZ Manager
- Advance Set

Basic Set

Video

Stream

Image

Schedule

Day/Night

Snapshot

OSD

LOGO

Privacy Mask

Audio

Network

Event Schedule

VCA

Storage

System

[Start to Draw](#)[Delete Area](#)

Stream	1st Stream
Resolution	1080P(1920x1080)
Bit Rate	4096
Frame Rate	25
N/P Mode	PAL
Priority	Frame Rate
I-Frame Interval	50
Encoding Mode	VBRGood
Corridor Mode	Disabled
Video Encoding	H.264H
S+	Disabled
SVC	Disabled
Smooth Video Streaming	<input type="range" value="50"/> 50 [Clarity<->Smooth]
Smooth Display Mode	Disabled
Encrypt Type	Not Encrypted
Encrypt Password	<input type="text"/>
Password Confirm	<input type="text"/>
ROI Upgrade Level	Good

- ▶ Audio V
- ▶ Dome S
- ▶ Early-w
- ▼ VCA
 - Alarr
 - Scen
 - VCA
 - Cruis
 - Adve
- ▶ OSD
- ▶ Storage
- ▶ Network
- ▶ User Ma
- ▶ Alarm M
- ▶ PTZ Mar
- ▶ Advanc

- Basic Set
- Video
- Audio
- Network
- Event Schedule
- VCA
- Online VCA Log**
- Create Rule
- Advance Params
- Storage
- System



Event

All



Rule ID

All



Event Time	Chn No.	Scene Number	Rule ID	Rule Name	Event	Event Capture Images

[Clear](#)[Reset](#)

Scene Set

Please active VCA and Rule ID first!

[Basic Set](#)[Video](#)[Audio](#)[Network](#)[Event Schedule](#)[VCA](#)[Online VCA Log](#)[Create Rule](#)[Advance Params](#)[Storage](#)[System](#)[Stop Drawing](#)[Line Clear](#)

Rule Description

1. Left click the video area and drag the mouse cursor to plot lines; double-click to finish plotting.

2. Precautions:

1) Click the left mouse button to add inflection point during the plotting.

2) It supports up to 6 inflection points.

1 Event Set

VCA

Event Selection Behavior Analysis Crowd Detection

Video Detection Audio Detection

Event Type

Rule ID

Rule Name [Rule Clear](#)

Specification Type Valid

Sensitivity 80

Show Event Count

Show Event Rule

Two-way Event

Display Arget

2 Schedule

3 Linkage setting

[Save](#)[Cancel](#)

- ▶ Audio
- ▶ Dome
- ▶ Early-
- ▶ VCA
- ▶ Ala
- ▶ Sce
- ▶ VC
- ▶ Cr
- ▶ Ad
- ▶ OSD
- ▶ Storag
- ▶ Netwo
- ▶ User M
- ▶ Alarm
- ▶ PTZ M
- ▶ Advan

Basic Set

Video

Audio

Network

Event Schedule

VCA

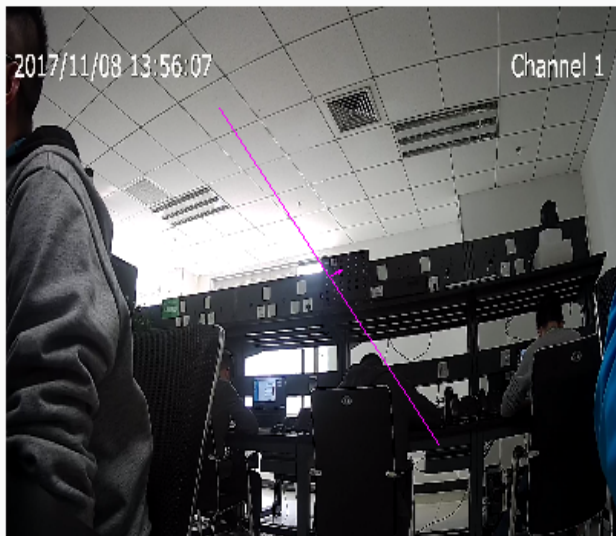
Online VCA Log

Create Rule

Advance Params

Storage

System



Stop Drawing

Line Clear

Rule Description

1. Left click the video area and drag the mouse cursor to plot lines; double-click to finish plotting.
2. Precautions:
 - 1) Click the left mouse button to add inflection point during the plotting.
 - 2) It supports up to 6 inflection points.

1 Event Set

2 Schedule

VCA Enabled

Schedule Wednesday

00:00 ~ 23:59

00:00 ~ 00:00

00:00 ~ 00:00

00:00 ~ 00:00

Copy To All

Sun Mon Tue Wed Thu Fri Sat

3 Linkage setting

Save

Cancel

2012/04/10 17:30:25

Channel 1 1



tripwire
perimeter

TripRule1:57
TripRule2:22
PeriRule3:26
TripRule4:13
TripRule5:52
TripRule6:0

- For boundary, perimeter, wall, fence, forbid alarm.

- ▶ Audio Video Set
- ▶ Dome Set
- ▶ Early-warning Setting
- ▶ VCA
- ▼ OSD
 - OSD
 - LOGO
 - Privacy Mask
- ▶ Storage Management
- ▶ Network Management
- ▶ User Management
- ▶ Alarm Management
- ▶ PTZ Management
- ▶ Advance Set

Basic Set

Video

- Stream
- Image
- Schedule
- Day/Night
- Snapshot

OSD

- LOGO
- Privacy Mask

Audio

Network

Event Schedule

VCA

Storage

System



Stream

Camera Title

Customized Location Color

Date

Customized Location Color

Show Week

24 hours 12 hours

Additional 1

Customized Location Color

Additional 2

Customized Location Color

Additional 3

Customized Location Color

Additional 4

Basic Set

Video

Stream

Image

Schedule

Day/Night

Snapshot

OSD

LOGO

Privacy Mask

Audio

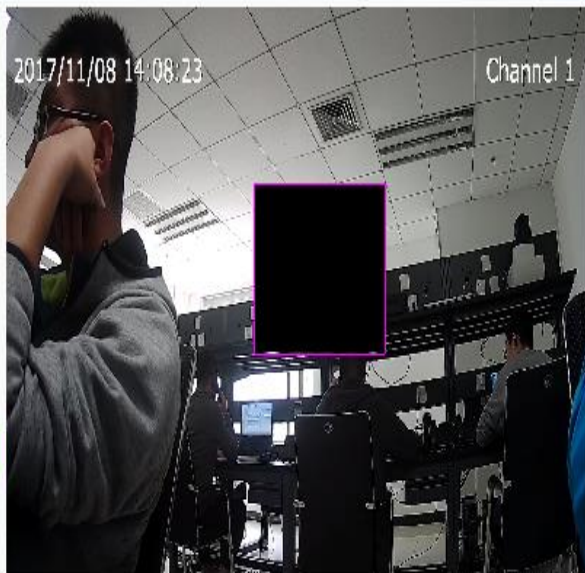
Network

Event Schedule

VCA

Storage

System



Delete R...

Save

- ▶ Audio Video Set
- ▶ Dome Set
- ▶ Early-warning Setting
- ▶ VCA
- ▼ OSD
 - OSD
 - LOGO
 - Privacy Mask
- ▶ Storage Management
- ▶ Network Management
- ▶ User Management
- ▶ Alarm Management
- ▶ PTZ Management
- ▶ Advance Set



- ▶ Audio Video Set
- ▶ Dome Set
- ▶ Early-warning Setting
- ▶ VCA
- ▶ OSD
- ▶ Storage Management
- ▼ Network Management
 - TCP/IP Set
 - Registration Center
 - Network Service
 - IP Filter
- ▶ User Management
- ▶ Alarm Management
- ▶ PTZ Management
- ▶ Advance Set

Basic SetVideoAudioNetworkTCP/IPUPnPPPPoEIP FilterEmailDDNSMulticastSIPConnectionQoS SettingsEvent ScheduleVCAStorageSystem DHCP

IPv4 Address

IPv4 Subnet Mask

Gateway

IPv6 Address

IPv6 Subnet Mask

DNS

MAC

MTU

HTTP Port

HTTPS Port

RTSP Port

RTSP Path

channel : channel,1 to N;stream : stream,1st stream 1,2nd stream 2,3rd stream 3.

Example : rtsp://admin:admin@192.168.1.3:554/1/1

 SNMP

- ▶ Audio Video Set
- ▶ Dome Set
- ▶ Early-warning
- ▶ VCA
- ▶ OSD
- ▶ Storage Mana
- ▼ Network Mana
 - TCP/IP Set
 - Registration
 - Network Set
 - IP Filter**
- ▶ User Manager
- ▶ Alarm Manage
- ▶ PTZ Managem
- ▶ Advance Set

Basic Set

Video

Audio

Network

TCP/IP

UPnP

PPPoE

IP Filter

Email

DDNS

Multicast

SIP

Connection

QoS Settings

Event Schedule

VCA

Storage

System

No Limit Whitelist Blacklist

[Add](#)[Delete](#)

<input type="checkbox"/>	IP	Status

[Save](#)[Cancel](#)

System Maintenance

- ▶ Audio Video Set
- ▶ Device Set
- ▶ E **Tiandy**
- ▶ V Basic Set
- ▶ C Video
- ▶ S Audio
- ▶ N Network
- ▶ U Event Schedule
- ▶ A VCA
- ▶ P Storage
- ▼ A System
 - Local PC Setting
 - Time
 - Upgrade
 - Maintaince**
 - Users
 - Access Platform

Device Control

[Basic Reset](#)[Factory Reset](#)[Reboot](#)[Reboot](#)[Telnet](#)

Configuration In/Out

Files (*.box)

[Browse](#)[Import](#)[Export](#)

System Information

CPU 2%

Memory 37%

Flash 76%

[Refresh](#)

Summary

- 1, The default configuration is recommended
 - 2, Commonly used scenarios, follow the PDF template configuration
- Special scenarios are configured according to debug methods



Microsoft Word

General scene



Microsoft Word

special scene

How to use PTZ





Basic debugger –Control manually

Difference between
IPC and PTZ



Tiandy Smart PTZ Camera
3D locate function



Basic debugger –Control automatically

Difference between IPC and PTZ



- Standby action: set preset and automatically return to this position after PTZ leaves the preset position.
- Time run : refers to the seted time, link your seting action. Start a cruise mode in the morning and start a different cruise mode in the afternoon.

Basic debug method of PTZ

Basic debug method of PTZ

New product: AEW PTZ AND MINI PTZ

Outdoor active defense Indoor white light warning



PTZ



Mini Dome

Basic debugging

the auto action
preset
cruise
scan
pattern

The screenshot displays the Tiandy security camera software interface. At the top left, the brand name "Tiandy" is shown in green. Below it is a navigation bar with "Live View", "Playback", "Log", and "Configuration" tabs. On the right side of the navigation bar, there is a user profile icon labeled "admin", a "LOGOUT" button, and a help icon. The main video feed shows a server room with several rows of server racks and desks. A green laser line is drawn across the scene from the left side towards the right. The timestamp "Oct 25 2017 10:48:28" is displayed in the top left corner of the video area. In the center of the video, the number "6666" is overlaid in green. In the bottom left corner of the video, the text "0 alarm 01-trip" is overlaid in green. On the right side of the interface, there is a control panel with various icons for navigation (directional arrows, refresh), zooming (Zoom +/-), focusing (Focus +/-), iris adjustment (Iris +/-), and other camera functions. Below these icons is a "Preset" section with a search bar and a list of five presets (Preset 1 to Preset 5). At the bottom of the interface, there is a "VCA Action" dropdown menu and a "Stream Set" dropdown menu. The bottom status bar includes "1st Stream", "2nd Stream", and "3rd Stream" indicators, along with various system icons and a copyright notice: "©Tiandy Co., Ltd All Rights Reserved".

Basic debugging

Tiandy

Live View

Playback

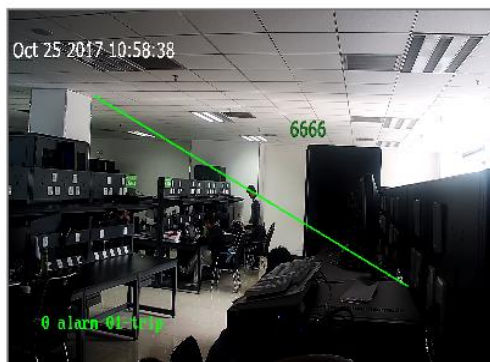
Log

Configuration

admin LOGOUT ?

- ▶ Audio Video Set
- ▼ Dome Set
 - Image Set
 - Schedule
 - D/N Set
 - Basic Set
 - Motion Set
 - Motion Schedule
 - Fill Light Set
 - Remove Config
- ▶ Early-warning Setting
- ▶ VCA
- ▶ OSD
- ▶ Storage Management
- ▶ Network Management
- ▶ User Management
- ▶ Alarm Management
- ▶ PTZ Management
- ▶ Advance Set

Motion Set



Set Origin Set North

PTZ Control Panel:

- Directional buttons: Up, Down, Left, Right, Center (Refresh)
- Zoom: - Zoom +
- Focus: - Focus +
- Iris: - Iris +
- Slider: - [Slider] +

Preset No. 1

Focus Mode Auto

Cruise No. 1

Cruise List

Preset 1

Dwell Time(s) 5

Scan No. 1

Scan Type Pan Scan

Scan Speed 20

Border 1

Mode No. 1

Used(%) -

Left Time(s) -

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设置自动动作

Basic debugging

Set standby action - one key watching (preset)

Live View-> one-key keeping watch: record the current position as standby position, and PTZ will automatically return to the position when it has no manual operation for 30 seconds.

The screenshot displays the Tiandy security camera software interface. At the top left, the brand name "Tiandy" is visible. Below it, a green navigation bar contains the options "Live View", "Playback", "Log", and "Configuration". On the right side of this bar, there is a user profile icon for "admin", a "LOGOUT" button, and a help icon. The main area is a live video feed of a server room. The timestamp "Oct 25 2017 11:11:54" is overlaid in the top left of the video. A green number "6666" is overlaid in the center of the video. A green diagonal line is drawn across the video. In the bottom left of the video, there is a green alarm message: "0 alarm 01-trip". On the right side of the interface, there is a PTZ control panel with various buttons for movement (up, down, left, right, center), zoom (in, out), focus, iris, and other camera functions. Below the PTZ panel, there are dropdown menus for "Preset" and "VCA Action". The "VCA Action" menu is expanded to show "One-key watching". Underneath, there are settings for "Mode S..." set to "Auto Cruise", "Title No." set to "1", and "Call" and "Set" buttons. At the bottom of the interface, there is a "Stream Set" dropdown and a row of icons for various camera functions like pan, tilt, zoom, and focus.

AEW Setting



1、5 AEW plan

2、Self-defining plan: plan setting ->

interlocking linkage -> cruise setting

Basic debug

AEW Settings - quick operation, screen capture show as below

The screenshot displays the 'Plan management' settings page. On the left is a navigation menu with the following items: Audio Video Set, Dome Set, Early-warning Setting (expanded), Plan management (selected), VCA, OSD, Storage Management, Network Management, User Management, Alarm Management, PTZ Management, and Advance Set. The main content area is titled 'Plan management' and features a camera view of a server room. The camera view includes a timestamp 'Oct 25 2017 11:46:05', a green ID '6666', and a green alarm message '0 alarm 01-trip'. A green line is drawn across the camera view. To the right of the camera view are the following settings: an 'Enable' checkbox (unchecked), five radio button options for different plans (Plan1 is selected), and a 'Customize' option. Below these is a 'Save' button. At the bottom of the camera view are control buttons: 'Start to Draw' and 'Line Clear', a directional pad, and zoom/focus/iris controls. A zoom slider is located at the very bottom of the camera view.

Basic debug

AEW settings - quick operation, three-step operation

Step 1: activate the alert plan

**Step 2: select the appropriate
plan in the plan list**

**Step 3: save the
Settings and switch to
the "preview" page to
see video**



快速预案调用与自定义



AEW setting—Quick plan

AEW setting—Plan 5

Enable

Plan1(white light activation)

Plan2(Activate white light , single warning voice)

Plan3(Activate laser , cycling warning voice)

Plan4(Activate laser , white light, cycling warning voice)

Plan5(Activate multi-level sound and light warning)

Customize

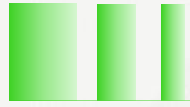
**Plan 5 supports the two kinds of alert mode of illicit
and early warning**



AEW setting—Custom action

AEW setting - Custom AEW operation procedure

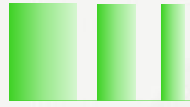
1. Enable the alert plan and select custom mode;
2. Check the rules to be valid, can set more than one rule, enable the cloth defense, set up the time of cloth defense, and click the application;
3. Set linkage type (alarm output, video, snapshot, sound, laser, white light, linkage tracking);
4. Through control way and zooming to adjust the scene, draw the warning area, and click save
5. Click next to enter the cruise list to add the scene



PTZ debug method

[Link Auto-tracking](#)

Tiandy Smart AEW PTZ Camera
Guard Alarm Trigger Auto-tracking



PTZ debug method

Mini PTZ: How to link white light with AEW at night

Three steps

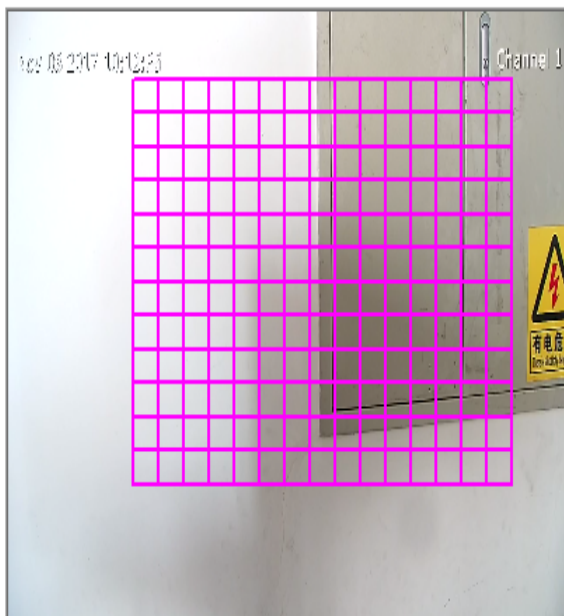
First: alarm management - moving alarm

Second: enabling – alarming setting

Third: linkage type - linkage double light

- ▶ Audio Video Set
- ▶ Dome Set
- ▶ Early-warning Setting
- ▶ VCA
- ▶ OSD
- ▶ Storage Management
- ▶ Network Management
- ▶ User Management
- ▼ Alarm Management
 - Alarm Input
 - Alarm output
 - Motion Alarm**
 - Mask Alarm
 - Email Alarm
 - Other Alarms
 - Alarm Server
- ▶ PTZ Management
- ▶ Advance Set

Motion Alarm



Delete Region

Enable

Sensitivity 53

Schedule

00:00 ~ 00:00

00:00 ~ 00:00

00:00 ~ 00:00

00:00 ~ 00:00

Copy To All

Sun Mon Tue Wed Thu Fri Sat

Apply

Link Type

Output Port All

1 2

Save

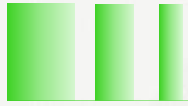


PTZ debug method

Mini PTZ: built-in MIC, how to set the audio input ?

Audio and video set - audio set - audio control type

Other parameters have no special needs, use default



PTZ debug method

Audio Set

Audio Encoding

Audio Sample Rate

Audio Control Type

Volume Value 50

Audio Denoising 1

Audio output type

Volume Value 50



PTZ debug method--Tips

1. Support full screen for PTZ, focus control, very easy to use; The up/down/left/right ADWS\I change +K -\J focus -/L focus +.
2. Support preset position search function.
3. Laser manual switch.