Ticingly

ANALOG KILLER ACTION

Tiandy Technologies Co., Ltd.

Development of security



1957

The earliest surveillance



1980

CCTV era



1990

Analog-digital hybrid era



Now

Alot era



2010

IP era

Analog market situation

10000000

Analog cameras are sold every year

50 ₉

Global market proportion

3 Billion USD

The global annual sales volume is over 3 billion dollars



Market analysis



Why does the analog camera still exist on the market?



Low price

Easy to use



Some companies fear to break the rules



Others do not have ability to do it

Why we can do



30 years

Tiandy dedicate into security industry for over 30

2500+

Employees around the world

80 areas

More than 80 countries and regions

500+

More than 500 smart cities around the world



Why we can do







1000+

Engineers for the R&D department

Leading

Technology in the industry

CMM15 V2.0

19th in the world, 1st in the industry

What users actually care?



Picture Quality

Picture is crystal clear to see all the details.



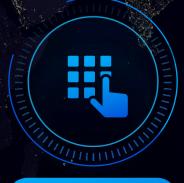
More Proof

We have built-in Mic, Audio and video recording.



Best Price

Best price quality, people can use it for many years.



Easy to Use

It must be easy to use for a user without any IP knowledge.



Privacy

Information safety, avoiding leakage of video and recording.

Five key advantages



Tiandy



Better performance



Full function



Cost-efficient



Easier installation



Higher security











3DDNR

2DDNR

With our 3D noise reduction function, the output images are less noisy, with more vivid colors.



Tiandy





IR Distance



30m

2 array lights, 30m LED night visible distance

20m

2 lights, 20m distance, poor image effect



Tiandy

Day



People and grass details are better rendered, The overall image quality is more sharp and clear.



Tiandy

Night





Leaf details are clearly visible, The overall image quality is more clear.

Poor image quality, no details, The image looks foggy.

Full function

Tiandy

AK® Standard configuration

Built-in mic, more convenient for audio communication for real time monitoring

Analog product

The entry-level products don't have mic, and if add the mic function, it will increase the flat-cost.

Full function

Tiandy



Audio and video recording

Built-in mic 5m low loss pickup

Full function

Tiandy

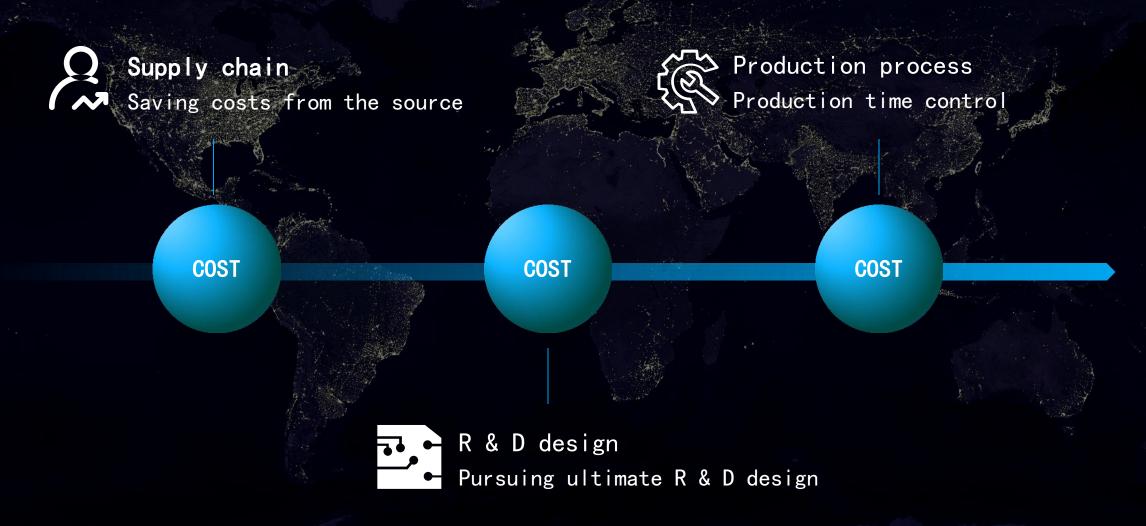


Motion detection

1 Motion detection
 supported on IPC
2 A picture will be
captured when detected
3 You can get message by
phone when triggered







Cost-efficient

Tiandy



AK series to achieve extreme competitive price, fully automated production, quality assurance

Cost-efficient

No discount on quality



F

2 years warranty

Temperature -30°C~+60°C

6KV

Protect IPC from lightning

Easier installation

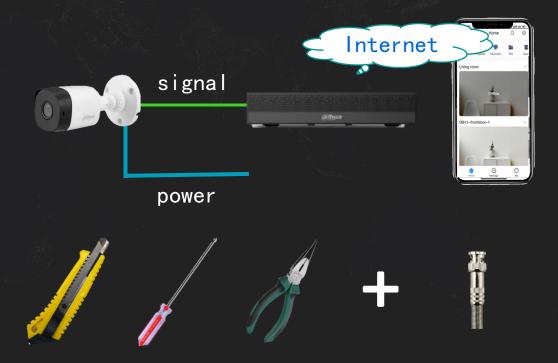
Power Over Ethernet





Only with one cable , it can function perfectly.

Independent power supply



Generally, it require power cable and coaxial cable, occasionally even need audio cable for son out-put.



Plug and play

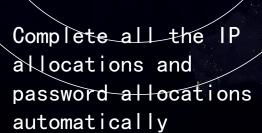


Open Box without configuration



Connect the device only with network cable and power up the NVR__POE feature





Automatic

Higher security

User security management

The user registration.

Authority management.

USER

Data security management

Video encryption and decryption.

Log-in encryption.

DATA

Product layout

Bullet Turret



TC-C321N Spec: I3/E/Y/2. 8mm (4mm)

- 2MP@30ps
- 2.8/4.0mm, fixed
- 30m IR range
- Bulit-in MIC
- 3D DNR
- IP67, P0E



TC-C320N Spec: 13/E/Y/2.8mm

- 2MP@30ps
- 2.8mm fixed
- 30m IR range
- Bulit-in MIC
- 3D DNR
- P0E

PSE NVR



Spec: I/B/P4/C/L/S

- 1 HDD 4ch
- Income 60Mbps
- Outgoing 40Mbps
- Recording resolution 5MP
- 1 HDMI, 2 USB



PSE NVR

TC-R3108

Spec: I/B/P8/C/L/S

- 1HDD 8ch
- Income 60Mbps
- Outgoing 40Mbps
- Recording resolution 6MP
- 1 HDMI, 2 USB

AK NVR physical interface



Power interface

DC 48V



POE interface

4/8*P0E



Network interface

Connect AK camera



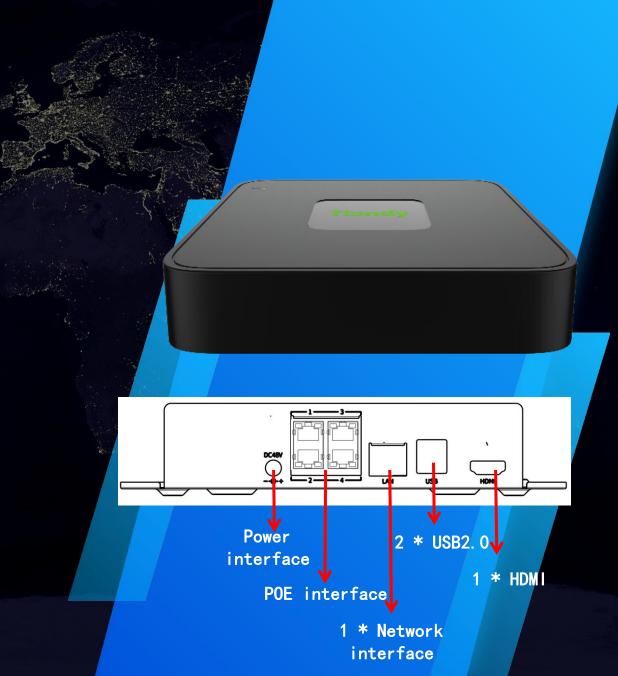
USB port

2 * USB2. 0



HDMI output

1 * HDMI



Environmental suitability

Tiandy

Surging prevention

Protect NVR from been destroyed by high level voltage



Surge: 6KV

TVS diode

Anti static and surge

Volt & Wide temp

Suitable for power unstable cities, and places with different temperature environment





Volt: DC48V

Temp: -10°C ~ +55°C



The base is designed with steel plate

Anti throw and anti deformation

Disspation

Allow 6T capacity HDD storage and smooth operation for user



Radiator on chip

Metal heat conduction, Disperse the heat without noise

Parameter comparison



	Tiandy	Dahua	Tiandy	Dahua
	TC-C321N	DH-HAC-B1A21	TC-C320N	DH-HAC-T1A21
Sensor	1/3"CMOS	1/3"CMOS	1/3"CMOS	1/3"CMOS
Lens	F2. 2	F2. 0	F2. 2	F2. 0
IR range	30m	20m	30m	20m
MIC	YES	N/A	YES	N/A
3D DNR	YES	N/A	YES	N/A
Motion detection	YES	N/A	YES	N/A
P2P	N/A	N/A	N/A	N/A
Language	English	N/A	English	N/A
ONVIF	YES	N/A	YES	N/A
Protection	IP67	IP67	N/A	N/A
Material	Metal&Plastic	Plastic	Metal&Plastic	Plastic
Power	POE 3.5W	DC12V 2.7W	P0E 3.5W	DC12V 2.7W

Parameter comparison



		Stare_	Frankrige	_Gittine
	Tiandy	Dahua	Tiandy	Dahua
	TC-R3104	DH-XVR4B04-V2	TC-R3108	DH-XVR4B08-V2
Channe I	4	4	8	8
Video input	4-ch:5MP	4-ch:1080P	8-ch:6MP	8-ch:1080P
Video output	HDM1, 1920×1080	HDMI, 1920×1080 VGA, 1920×1080	HDM1, 3840×2160	HDM1, 1920×1080 VGA, 1920×1080
Screen split	1/3/4	1/4	1/3/4/5/6/7/8/9	1/4/8/9
POE	YES	N/A	YES	N/A
Audio 1/0	N/A	YES	N/A	YES
USB	2 USB 2.0	2 USB 2.0	2 USB 2.0	2 USB 2.0
Power	DC48V, 1A	DC12V, 1. 5A	DC48V, 1. 35A	DC12V, 1. 5A
Operating conditions	−10° C~55° C	-10° C~45° C	−10° C~55° C	−10° C~45° C

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