Secure the World with You


## Shenzhen TVT Digital Technology Co., Ltd

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## Shenzhen TVT Digital Technology Co., Ltd

World-class Video Surveillance Products and Solutions Provider

TVT

# CONTENTS


Company Profile ---------- 01

Company History ---------- 05

Core Technology ---------- 07

Product Portfolio ---------- 08

Industry Solutions ---------- 16

International Certifications ---------- 19

Market Map ---------- 20







# Company Profile

Shenzhen TVT Digital Technology Co., Ltd (hereinafter referred to as TVT), established in 2004 and headquartered in Shenzhen, was listed on the SME board of Shenzhen stock exchange in December 2016, with stock code: 002835.

Since its establishment, TVT has been growing up as a total solution developer and manufacturer, offering unique products including full range DVR, NVR, camera and software solutions such as CMS, mobile app, browser application, etc.

To keep the advantage in innovation and quality, TVT keeps reinvesting more than 12% of its sales turnover into R&D each year and owns 300 talented engineers, more than 60% of which have been working in TVT for more than 3 years.

TVT is committed to enhance the security and safety of people's life and assets. Till now, it has served customers in more than 120 countries. And it will continue to provide high quality video security products and solutions in the future.



## R&D Center

It's located in Shenzhen Bay Eco-technology Park and put into use in October, 2017.



**300+** R & D Engineers

**75+** Patents

**120+** Countries have been Benefited






## Industrial Park

TVT has industrial park of its own property with 65,000 $m^2$ building area. It is located in Dongjiang High-Tech Industrial Park, Zhongkai High-Tech District, Huizhou, China. It is a comprehensive park integrating research and development, producing and service.

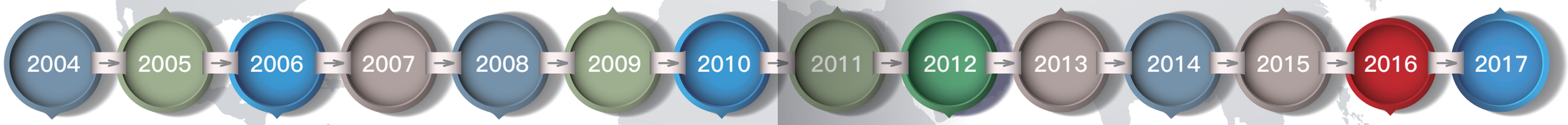


## Manufacturing Center

TVT Shi'yan Manufacturing Center
17,000+ ㎡ Manufacturing Space
8 Specialized SMT Producing Line
Annual Output in 2016: 1,500,000+

It is located in Huilongda Industrial Park, Bao'an District, Shenzhen, China.

# Company History




**2004**
- TVT was established.
- Released triplex MJPEG DVR (8/16ch).
- Began sales overseas as OEM.

**2005**
- Released the first 16ch full real-time software compression card.
- Began development of hardware compression cards and IP products.

**2006**
- H. 264 compression algorithm.
- Passed ROHS certificate.
- TVT was named as “Shenzhen High-tech Enterprise”

**2007**
- Released all range H.264 embedded DVRs.
- TVT’s annual export volume ranked first among China’s security companies according to China’s General Administration of Customs

**2008**
- TVT became China’s first security enterprise that launched 7-inch automatic LED DVR.
- Released H.264 video servers and IP products.

**2009**
- Entered into China’s domestic market.
- TVT was named as “Excellent Security Enterprise of Safe City Construction”

**2010**
- Released integrated video management platform NVMS5000.
- TVT was named as “National High -Tech Enterprise”

**2011**
- Released 2MP HD IP Camera and SDI camera.
- TVT was named among “ China’s top ten national security brand ”

**2012**
- Released the world’s first 16ch real time HD-SDI DVR.
- R & D manufacturing was expanded to 3500 m², factory was expanded to 15000 m².

**2013**
- Released 22X 1080P module with independent intellectual property rights.
- Became vice president enterprise of China Security Association.

**2014**
- Released 3MP/5MP HD TVI /AHD video surveillance products.

**2015**
- Released NVMS 9000.
- Release ultra – low bit rate H.265 NVR and IPC products.

**2016**
- TVT was listed on the SME board of Shenzhen stock exchange in December 2016, with stock code: 002835.

**2017**
- Keep moving on.

# Core Technology

## 1 DVR

Audio and video codec technology
Image optimization technology
Data storage technology
Analog-digital hybrid video processing technology
Multi-stream video processing technology
Time-sliced search technology

## 2 Camera

3A video algorithm
Video preprocessing technology
H.264+/H.265+ encoder technology
Starlight technology
P2P

## 3 Video Management System

Compatible with various video management systems
High-efficient HDD reading and writing technology
Intercommunication technology crossing telecom operators
High-efficient network communication module

## 4 Mobile Surveillance Software

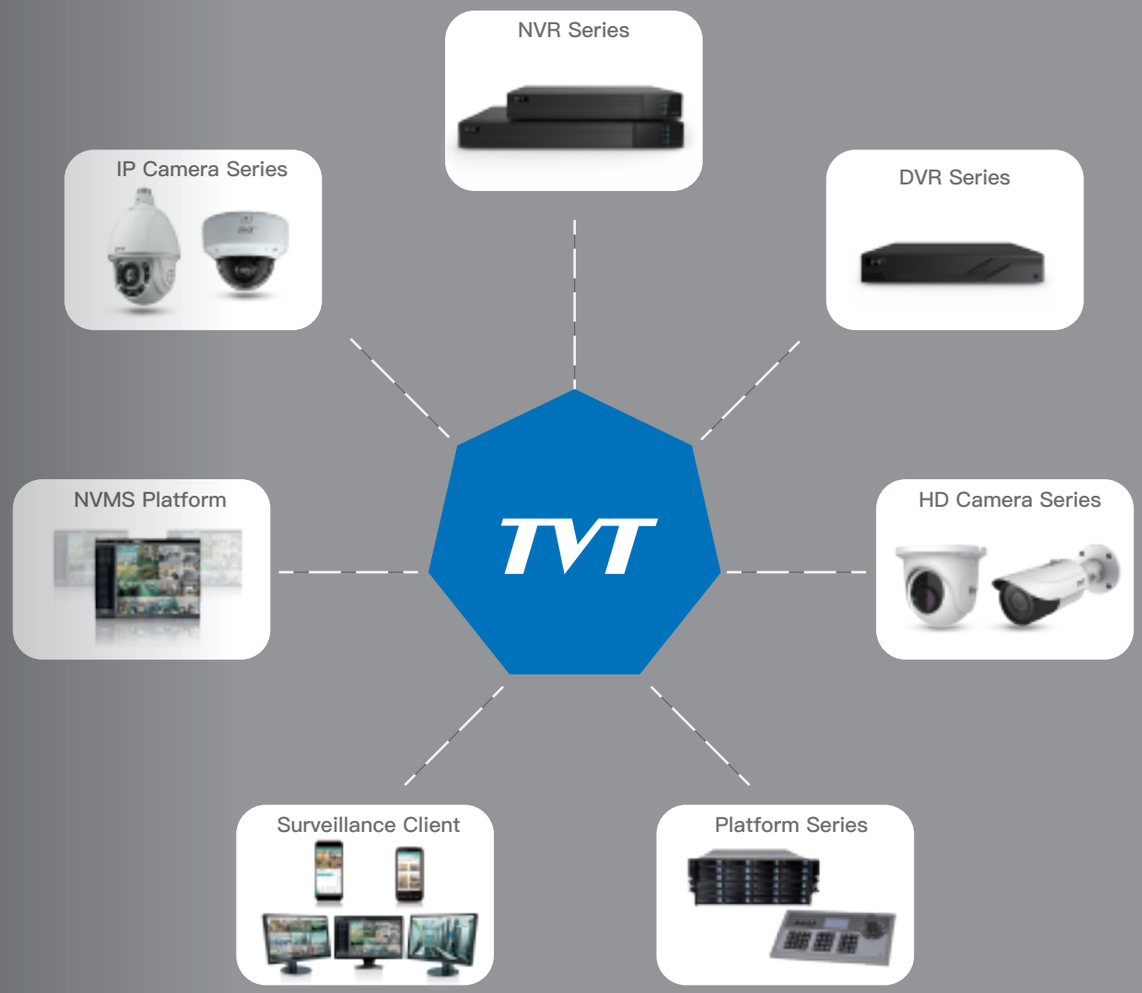
Compatible with many mobile phone platform software
Audio and video codec technology of mobile phone
High-performance underlying compiling technology
Fast positioning function, background alarm, 3D Cloud control
Network self-adaptive technology

## 5 Others

Smart video analytical algorithm
Video centralized storage technology
Video streaming control technology



# Product Portfolio



# Camera Product



## Product Features

8MP/5MP/4MP/3MP/2MP/1.3MP resolution
Ultra-low stream, H.265 high profile coding
Support 3DNR, WDR, defog and digital image stabilization
Support H.264 (3 streams) & H.265
Support ROI, image flip/mirror
Support alarm in/out, POE, SD card storage, audio in/out
Support anti-surge and lightning proof, TVS6000V
Support intelligent analysis
Support motorized, manual and fixed-focus lens
Support remote surveillance through smart phone and pad



# DVR Series Product



## Product Features

5MP/4MP/3MP/1.3MP resolution
Support NAT、UPnP、DDNS、PPPoE remote network access
Support mobile surveillance through mobile phones and pads with iOS or Android system
Support multiple disk group mode, videos can be put into different HDDs
Support multiple recording modes such as manual recording, schedule recoring, mobile detection recording and sensor alarm recording etc
Support 8/4/2/1 HDD with 8T disk each
Dual HDMI, support 4K output
Provide a complete SDK package so as to easily access to various platform application

# NVR Series Product



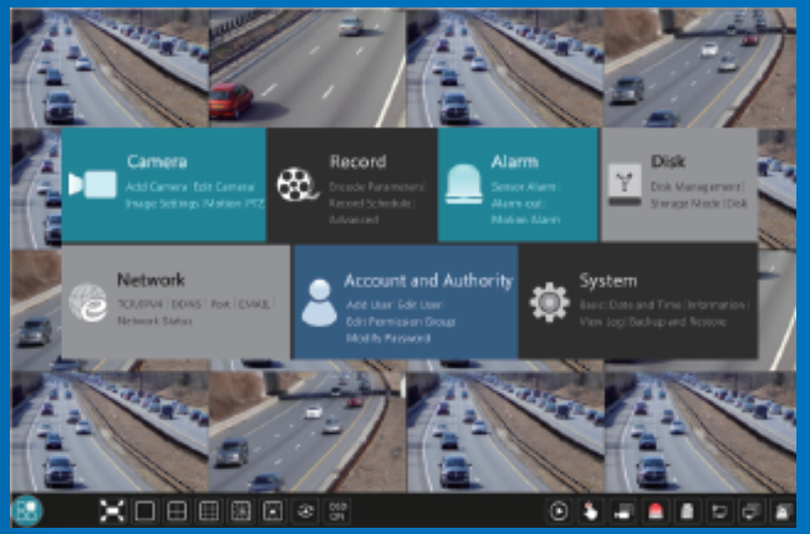
## Product Features

8MP/5MP/4MP/3MP/2MP/1.3MP resolution
Compatible with H.265 and H.264
Support 16/8/4/2/1 HDD with 8T disk each
Support NAT、UPnP、DDNS、PPOE remote network access
Support mobile surveillance throuh mobile phones and pads with iOS or Android system
Support multiple disk group mode, videos can be put into different HDDs.
Support multiple recording modes such as manual recording, schedule recoring, mobile detection recording and sensor alarm recording etc
Support dual gigabit network port, dual HDMI; support 4K output
Provide a complete SDK package so as to easily access to various platform application
The P series support POE power supply



# NVMS9000

Embedded Software




## Product Features

Sliced playback makes it easier to operate
Magnet operation window
Convenient device management improves operation efficiency
Visual polling settings and usage
Smart video search and playback
Support video backup and download
Support alarm event processing
Support WEB functions such as access multiple browers

# Platform Product



## Storage Server

Adopt X86 server architecture to ensure mass data processing stability
High-performance  and high stability, redundant power source design, hardware RAID
Support dual gigabit Ethernet ports which can work separately and together
Support streaming media storage/NAS/IPSAN work mode
Support Raid0、Raid1、Raid5、Raid6
Built-in streaming media access and transmission avoid working with external streaming media server so as to reduce streaming media costs



## Decoding Matrix

Support unlimited amount of screens splicing display. Support 24 CH output at most
Support splice and roam
Support device cascade (master-slave mode)
Module design makes it easier to operate, expand and maintain



# NVMS5000

Integrated Management Platform



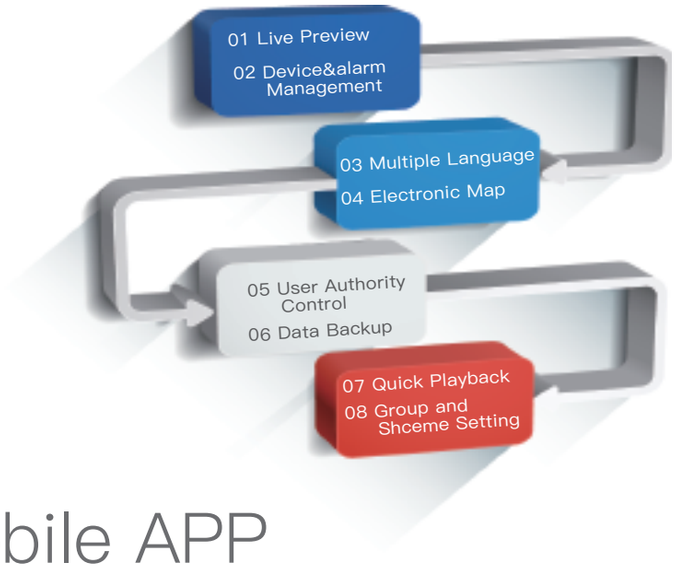

## Product Features

NVMS-5000, combining video capture devices (including various DVR/NVR/IPC), alarm capture devices (including various alarms and sensors), servers, IP-SAN, clients (including mobile phones) and background monitor (monitor and TV-Wall), is a set of network video surveillance and management software. It is suitable for large, medium and small enterprises to use. Besides,  it can be connected seamlessly with various surveillance network devices and allows over 30K cameras access.

# NVMS1000

## Integrated Management Platform

NVMS-1000 is a monitoring client installed on computer and specially designed for network video surveillance. After the network video monitoring system is well built, the super administrator can add&control devices like DVRs, NVRs and IP Cameras to achieve system management.




# Mobile APP

SuperLive Plus is TVT's new generation Android&iOS Mobile APP designed for H265&H.264 DVRs/NVRs/IPC

Fully compatible with H265&H.264

More intuitive, finger operation, easy to use

Push notification, fast response, OSD menu on top

Multi-language self-adpative

Efficient playback&search, freely zoom in/out via time bar

Quick share to social media





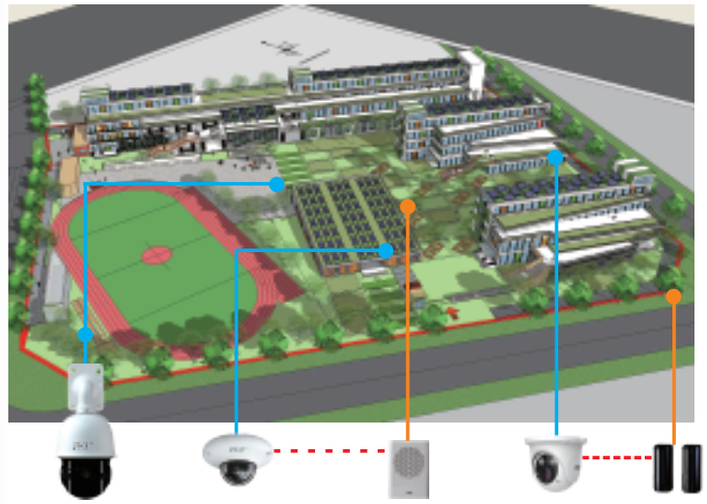


iOS 6.0 and above | Android 3.0 and above

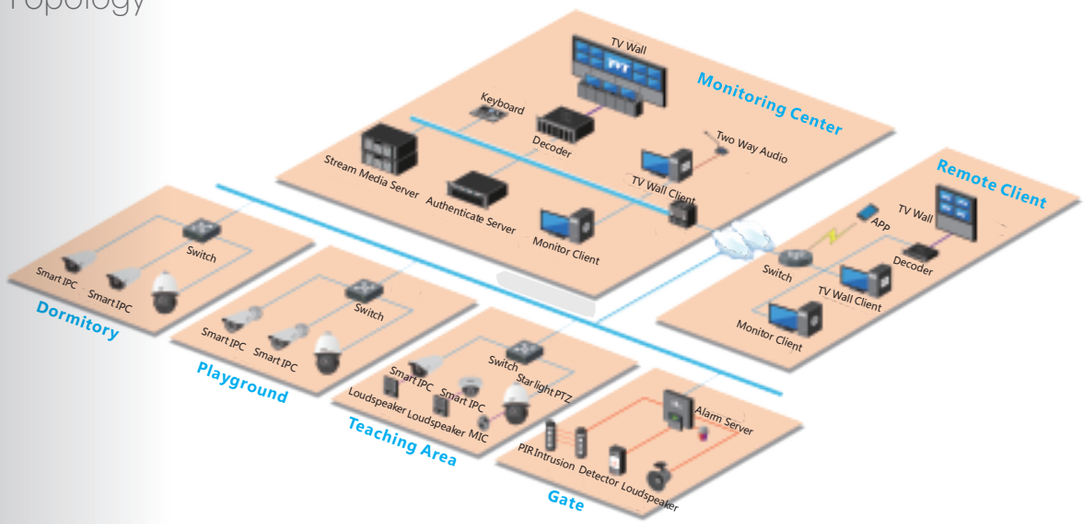


# Industry Solution

## School



## Topology




## Features

Audio and video platform makes it easy for exam surveillance

Two way audio and broadcasting system can replace traditional cabling

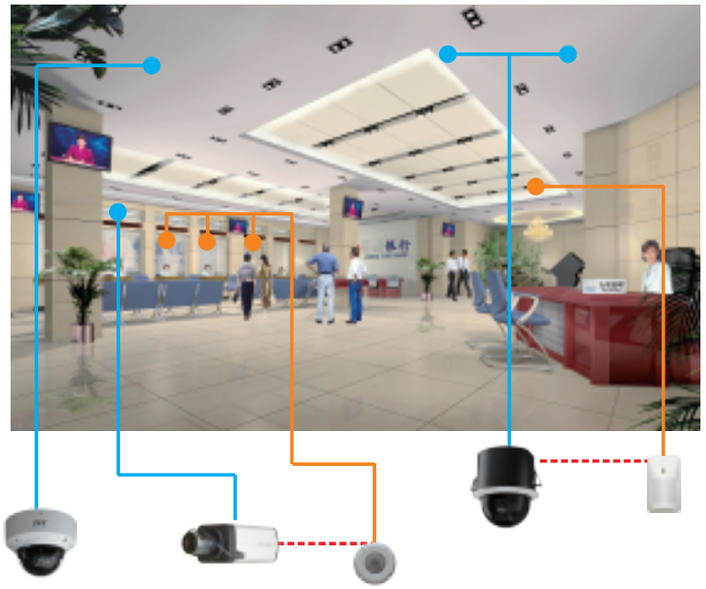
Linkage alarm can integtate other alarm devices into one system

Support E-map, it can associate alarm signal with related location

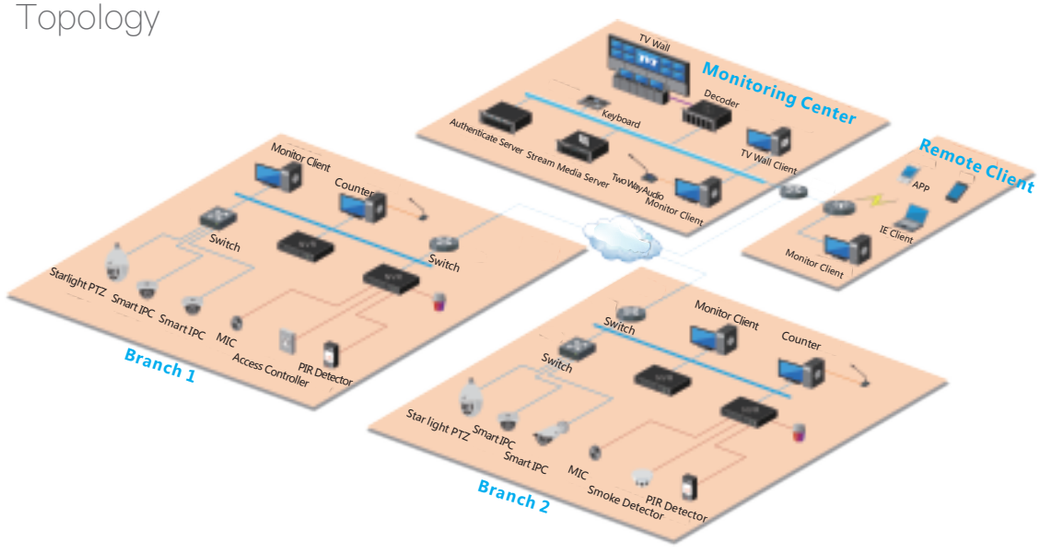
IPC with VCA can replace traditional alarm device

Storage server supports stream transferring, it is easy to install and set

## Bank/Hotel/Hospital



### Topology




### Features

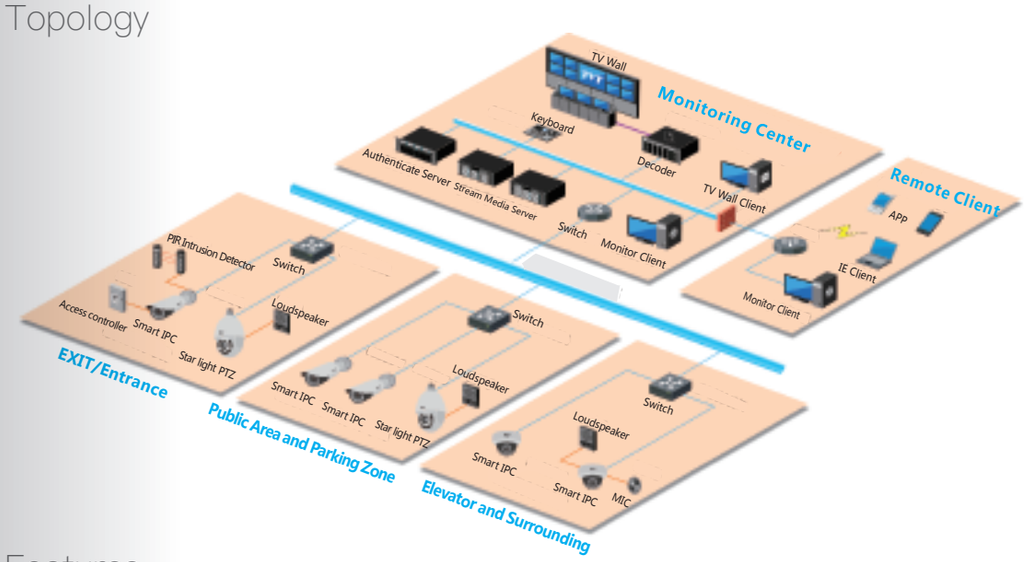
Auto and manual recording guarantee that both receipts and video are kept on file
Time-slice playback helps to quickly obtain the related video
Support VCA such as tripwire, object detection, people counting and crowd density
Support IVA triggering system, which can link with NVR, CMS and related alarm device
Support two way audio, broadcasting system and E-map



## Community



### Topology




### Features

Both NVR and IPC support H.265+, efficiently save bandwidth and storage
Support area/people intrusion, tripwire, object detection, people counting and crowd density
Support linkage with access control and alarm system, decode to TV wall
Support multilevel E-map positioning function, trigger alarm with pop-up window
Support two way audio and broadcasting system
Support multi user level authority with lots of flexibility

TVT

# International Certifications




ISO9001




ISO14001




CE, FCC, ROHS, UL



# Market Map




TVT has set up offices in over 10 cities in China and provided products in more than 120 countries and areas of 6 continents.

- TVT Market Area
- TVT Office