

# 16CH TR series 1080P Hybrid Security DVR System - Analog/960H/TVI/AHD/IP cameras



HD-TVI 1080p 16 CH

**TR Series DVR detects Analog / 960H / HD-TVI / AHD camera automatically.**

REAL-TIME Live / 720p or 1080p Recording and Playback • iPhone® Android® App : **Super Live HD/PRO** • RS-485 for PTZ control • Free DDNS Support • CVBS output

TVST TR series are standard 16 CH 1080P high resolution hybrid DVRs with ability to connect analog, AHD and IP cameras simultaneously, which adopt the standard high profile compression format and the most advanced SOC technique to ensure recording in each channel and realize outstanding robustness of the system. It support 16 CH video input, 4 CH audio input, simultaneous 16 CH playback. The series of product can meet different security requirements of home, financial, commerce, enterprise, transportation and government, etc.

## FEATURES

- CVBS (analog) out (can be used as spot out)
- AHD camera support
- 8 CH HD TVI video input, 1080P / 720P / D1 recording
- 2 CH IPC 1080P/960P/720P/WD1/D1 recording.
- Adopt high profile compression format to get high-quality video at much lower bit rate
- Intuitive and user-friendly Graphic User Interface ( GUI ), Windows style operation by mouse
- Multi-mode recording: manual / timer / motion
- Playback: 16 CH simultaneously playback
- Search: time / calendar, events ( motion )
- Express and flexible backup via USB, network
- Pentaplex : preview, record, playback, backup and remote access
- DHCP, DDNS, PPPoE Network protocol, IE browse and CMS supported
- Remote control via IE or CMS: preview, playback, backup, PTZ and configuration
- Dual stream technology to encode recording stream and network stream respectively. User can adjust network stream to fit bandwidth without changing recording quality
- Multi-user online simultaneously
- Authorization management, log review and device status review
- HDMI 1080P output, true high resolution display
- Support PTZ preset and auto cruise, up to 128 presets and 8 cruises
- Powerful smart phone surveillance supporting iPhone, Android
- Support NAT function, support QR code scanning by mobile phone

## Specifications

Video Input / Resolution	4 CH (BNC) / 1080P
IP Cam Input	IPC × 2/12MPS
Output	VGA × 1: 1080P HDMI × 1:1080P BNC × 1: 1080P(CVBS or SPOT)
Multi Operation	Pentaplex: Live Display / Record / Playback / Backup / Remote Access
OS	Embedded Linux
Recording	720P (1280 × 720) , 1080P Lite(960 × 1080), 1080P (1920 × 1080)
Recording (720P)	400fps: 25fps per channel
Recording (1080P Lite)	400fps: 25fps per channel
Recording (1080P)	200fps: 12fps per channel
Audio in	RCA x 4
Two-Way Audio	Yes
Mic in	No
Audio out	RCA x 1
Bit Rate	768Kbps ~ 8Mbps
Encode	VBR / CBR
Quality Levels	6 level
Recording Modes	Manual, Timer, Motion, Sensor
File Management	Lock, Unlock, Reserving time, Redundancy
Local Playback	16 CH
Search	Time, Motion,Sensor,Single or Multi-channel
Function	Play, Pause, FF,FB,Shutter Control ,Jog,Digital zoom
Alarm Modes	Sensor,Motion,Video loss
Alarm Triggering	Record, PTZ move, Relay out,E-mail, etc
Network Interface	RJ45 x 1
Remote Playback	4CH
Master Steam	4CH
Dual-stream	Individual Network Video Stream and local recording stream, set seperately
PTZ Protocol	Pelco D, Pelco P, RANGE, VISCA, DSCP, VIDO, STAR, NEON, MINKING, LILIN
Protocol	TCP/IP, UDP, DHCP, DNS, PPPOE, DDNS, SMTP, NAT, HTTP
Remote Viewing	CMS / Web Browser / Mobile (iOS/Android)
Remote Users	10 users online, dual stream
SATA HDD	Up to 12TB (2 × 6TB)
Alarm in	4
Alarm out	1
RS485	RS485 × 1 (for PTZ or Keyboard)
USB	USB2.0 × 2 (for mouse and USB backup device)
Accessary	Remote controller, SATA cable, USB mouse
Power Supply	DC: 12V
Working Environment	-10°C ~50°C (14°F ~ 122°F) , 10% ~ 90%(Humidity)
Dimension	430(W)mm×300mm(D)×55(H)mm 16.9(W)in×11.8(D)in×2.2(H)in

## DVR Accessories



HDD Screw x8



SATA Cable x1



SATA Cable (Long) x1



LAN Cable



Mouse



Remote Control



Power Cable



Power Adapter



Quick Start Guide &  
Software CD