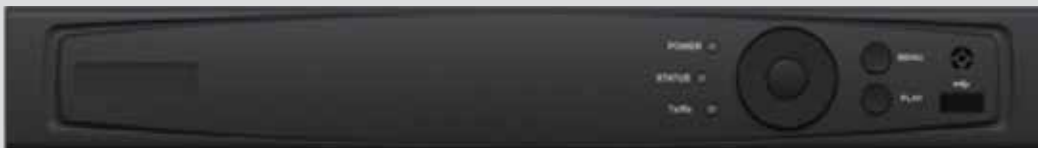




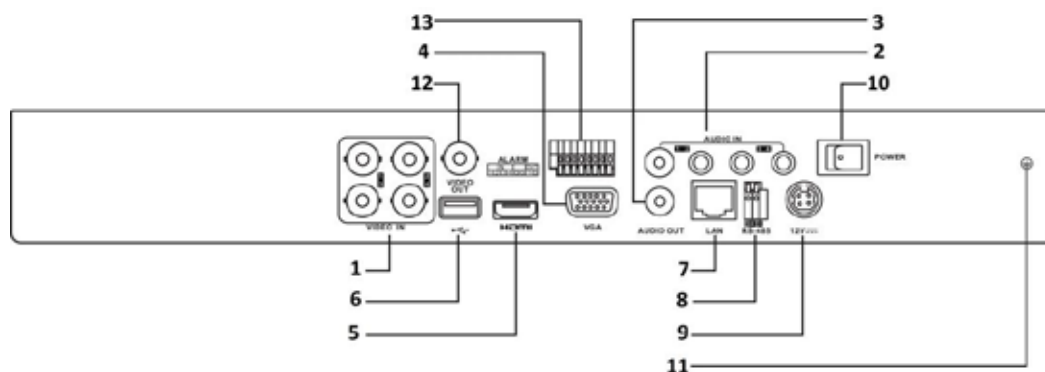
## TTD Series



## FEATURES

- H.264, H.264+, Dual-stream video compression
- Supports HD TVI / AHD / CVBS cameras with adaptive access
- Supports 2 IP camera, up to 4MP
- Supports TVI camera, up to 5MP
- HDMI and VGA up to 4K, CVBS (BNC) Output
- Full Channel @ 1080P Lite resolution real-time recording
- Supports up to 4CH / 8CH / 16CH synchronous playback at 1080P Lite resolution
- 1 SATA up to 6TB per HDD (4CH), 2 SATA up to 6TB for 2 HDDs (8CH / 16CH)
- 4CH Audio Input
- Alarm Input & Output
- 12V DC

## REAR PANEL



- |                             |                            |                    |
|-----------------------------|----------------------------|--------------------|
| 1. VIDEO IN                 | 6. USB Interface           | 11. GND            |
| 2. AUDIO IN, RCA Connector  | 7. LAN Network Interface   | 12. VIDEO OUT      |
| 3. AUDIO OUT, RCA Connector | 8. RS-485 Serial Interface | 13. Alarm IN / OUT |
| 4. VGA Interface            | 9. 12V DC Power Input      |                    |
| 5. HDMI Interface           | 10. Power Switch           |                    |

## SPECIFICATIONS

Model	TTD-04	TTD-08	TTD-16
PIC #	DV-61	DV-62	DV-63
Video Compression	H.264, H.264+		
Analog, AHD, & HD TVI Video Input	4 CH, BNC (1.0Vp-p, 75 Ω)	8 CH, BNC (1.0Vp-p, 75 Ω)	16 CH, BNC (1.0Vp-p, 75 Ω)
Supported Camera Types	TVI / AHD 720P25, 720P30, 720P50, 720P60, 1080P25, 1080P30, CVBS, 3MP, 5MP (TVI only), 960H		
IP Video Input	2 Channel up to 4 Megapixel Resolution		
Audio Compression	G.711u		
Audio Input	4CH, RCA (2.0 Vp-p, 1K Ω)		
Two-Way Audio In	1CH, RCA (2.0 Vp-p, 1 KΩ)		
Audio Output	1CH, RCA (Linear, 1KΩ, for VGA output and CVBS output respectively)		
Audio Bitrate	64 kbps		
HDMI / VGA Output	1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz	1CH, 4K (3840 × 2160) / 30Hz, 2K (2560 × 1440) / 60Hz, 1920 × 1080 / 60Hz, 1280 × 1024 / 60Hz, 1280 × 720 / 60Hz, 1024 × 768 / 60Hz	
CVBS Output	1CH, BNC (1.0 Vp-p, 75 Ω), Resolution: PAL: 704 × 576, NTSC: 704 × 480		
Encoding Resolution	Main stream: 5MP @ 12fps / 3MP @ 15fps / 1080P / 720P / VGA / 4CIF / CIF, Sub-stream: WD1 (non-real-time) / 4CIF (non-real-time) / CIF / QCIF / QVGA		
Frame Rate	Main Stream: 1/16 fps ~ Real-time frame rate / Sub-Stream: 1/16 fps ~ Real-time frame rate		
Recording Speed	1080p Lite @ 30fps per Channel, 3MP @ 15FPS per Channel, 5MP @ 12fps (TVI only)		
Video Bitrate	32 Kbps ~ 10 Mbps		
Dual Stream	Supported		
Stream Type	Video, Video & Audio		
Playback Resolution	5MP / 3MP / 1080P / 720P / VGA / WD1 / 4CIF / CIF / QVGA / QCIF		
Synchronous Playback	4CH	8CH	16CH
Remote Connections	128		
Network Protocols	TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, UPnP™, HTTPS		
SATA HDD	1 SATA Interface	2 SATA Interfaces	
Hard Disk Capacity	Up to 6 TB capacity for each disk		
Network Interface	1; 10M / 100M / 1000M self-adaptive Ethernet		
Serial Interface	1 RS-485, half-duplex		
USB Port	2 × USB2.0	1 × USB2.0, 1 × USB3.0	2 × USB2.0
Alarm IN / OUT	4 / 1	8 / 4	16 / 4
Power Source	12V DC		
Power Consumption (without hard disks)	≤ 15W	≤ 20W	
Working Temperature	14°F ~ 131°F / -10°C ~ 55°C		
Working Humidity	10% ~ 90%		
Dimensions	12.4 × 9.5 × 1.8 inches / 315 × 242 × 45 mm	15 × 12.6 × 1.9 inches / 381 × 320 × 48 mm	
Net Weight	3.3 lbs / 1.5 kgs	4.4 lbs / 2 kgs	

\*Specifications and appearance are subject to change without notice.

## PACKAGE CONTENTS

- One (1) TVI DVR
- One (1) Remote Control
- One (1) Mouse
- One (1) SATA Cable - 4CH / Two (2) SATA Cables - 8CH / 16CH
- One (1) SATA Power Cable
- One (1) 12V DC Power Supply
- Four (4) HDD Screws - 4CH
- Eight (8) HDD Scews - 8CH / 16CH
- One (1) Quick Setup Guide
- One (1) User Manual & Software CD