

# DVR304TSB



## Features:

- High quality real time monitoring in D1 resolution
- Dual compression modes: MJPEG(recording)/ MPEG4 (networking)
- Quad or Mux mode recording with frame rate up to 30fps
- Auto detecting video signal loss and HDD failure
- Built-in 4 ch motion detection with adjustable sensitivity and area selectable.
- Retrieve and backup digital video to Pen Drive (USB2.0 & 1.1)
- Record 1 ch audio
- 4 ch sensors input and 1 ch alarm output
- Connect to LAN/WAN enabling remote monitoring, recording, playback, backup and control of 4ch.video and 1ch audio
- MPEG4 compression for seamless networking
- Video/Audio convertible from remote to PC readable AVI format
- IR remote controller (optional)
- Multiple languages available for on-screen menu.
- CE & FCC certified
- RohS compliant

## Specifications:

Video			
Input format	NTSC	PAL	
Input channel	4 BNC		
Output channel	2 BNC and 1 S-video		
Display Mode	Quad,Full Screen, Sequence		
Frame rate			
-Display	120fps	100fps	
-Record			
Quad(MUX)mode	Max.30fps	Max.25fps	
Each mode	Max.7.5fps	Max.6.25fps	

<b>Resolution</b>			
-Display	720x480	720x576	
-Recording	640x224	640x272	
<b>Audio</b>			
Input	1*RCA		
Output	1*RCA		
<b>Recording</b>			
Modes	Continuous, Scheduled, Sensor/Motion trigger		
Compression	Modified MJPEG		
Frame rate	1~30fps	1~25fps	
Quality level	High, Normal, Low		
<b>Storage</b>			
Hard Drive	1*HDD		PATA connector
<b>Playback</b>			
Search mode	Time/Event		
Display mode	Quad, Full screen		
<b>Video Backup</b>			
External storage	USB 2.0 /1.1 for Pen drive		w/PCViewer program
<b>Alarm</b>			
Input	4		Dry contacts
Output	1		Dry contact
<b>Network</b>			
Connection	Fast Ethernet 10/100, RJ-45		
Compression	MPEG4		
Protocol	TCP/IP, Static IP, DDNS(available soon !)		
Remote operation	Auto adjusted frame rate		W/PC client application Program
	Video quality adjustable from remote		
	On-screen connection statistics		
<b>Power</b>	12V/4.2A, 50W		2.5Ø DC Jack
<b>Operation control</b>	Front-panel buttons & IR remote controller (optional)		

## Applications:

### Playback on PC through Pen Drive

Simple video back-up to USB pen-drive, Video data can be further compressed and saved in AVI format and playback via Window media player, or snapshot in BMP format for long-term storage or presentation on PC.



### Networking

Employing dual modes operation to deliver video data via Networking in MPEG4 file with 4 X speed improvement over that of MJPEG



### Customized Service:

- On-screen menu in language of customer's choice
- Private labeling
- Customized color scheme, panel design, packaging on

### Recording Capacity Charts:

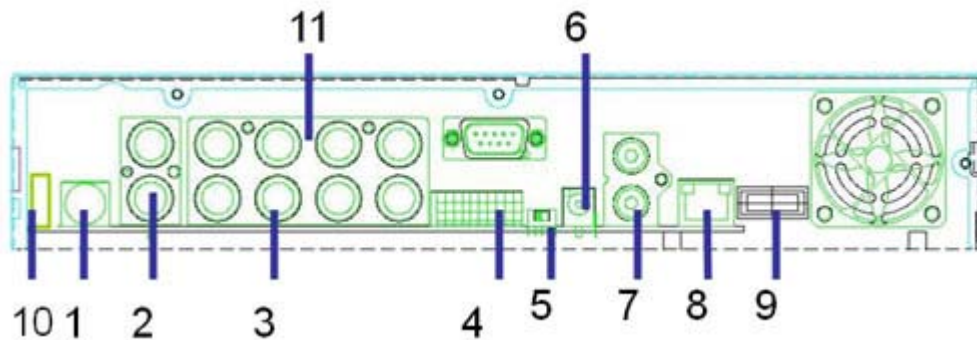
## NTSC Format

Frame/Second		1	2	3	4	5	7	10	15	30
☐ MODE	HI	897H	448	299	223	179	104	89H	59H	29H
	NORMA	1092	546	364	273	218	152	109	72H	36H
	LO	1365	682	455	340	273	191	136	91H	45H
☒ MODE	HI	690H	345	230	172	138	96H	69H	46H	23H
	NORMA	840H	420	280	210	168	117	84H	56H	28H
	LO	1050	525	350	262	210	147	105	70H	35H

## PAL Format

Frame/Second		1	2	3	4	6	8	12	25
☐ MODE	HI	448	299	223	179	104	89H	59H	29H
	NORMA	546	364	273	218	152	109	72H	36H
	LO	682	455	340	273	191	136	91H	45H
☒ MODE	HI	345	230	172	138	96H	69H	46H	23H
	NORMA	420	280	210	168	117	84H	56H	28H
	LO	525	350	262	210	147	105	70H	35H

## Rear View :



1. S Video
2. Video output
3. Video input
4. Sensor input/alarm output: 4 sensor inputs and one alarm output
5. NTSC/PAL switch
6. DC-in (12V)
7. Audio input/output
8. LAN
9. Power switch
10. USB Host (optional)
11. Video Loop-through