

# DVR-14MR Specifications

Parameter	4 Channel	DVR-14MR
Processor	Trimedia PNX1302/200MH	
Operation system	Real-time operation system (PS OS)	
Model	DVR-14MR	
Video input	4 Channel (NTSC/PAL) BNC (1.0Vp p. 75 )	
Video output	1 Channel PAL/NTSC, BNC (1.0V p 75 Q ) video signal	
Audio input	1 Channel 200-1000mv IOK Q (RCA)	
Audio output	1 Channel 2000mv 1K Q (RCA)	
Video display	1,4,5 windows display	
Video standard	NTSC (525 line, 60f/s), PAL (625 line, 50fls)	
System resource	Non real-time recording and simultaneous network operation, independent local playback	
Image resolution	Real-time monitor 704) < 576, playback 352 X 288,	
Motion detection	Area setting: 192 detection areas on the screen; detection sense setting: 3 levels detection sense for each area	
Video compression	MPEG-4 VBR (variable frame rate)	
Audio compression	ADPCM	
Image compression rate	352 X 288C1F format	
Video recording speed	Total resources 25frames for PAL mode, 30 frames for NTSC mode	
Image quality	6 levels selectable	
Hard disk	One 80G hard disk preinstalled. Expandable to two large size hard disks.	
HDD space used	Audio: 14.4Mbyte/hour Video: 60-460Mbyte/hour	
Alarm input	4 channel voltage alarm input (+5'—+ 15V D. C. Needed for the alarm input)	
Alarm output	3 channels output, (output in open/close contact or controllable + 1 2V output)	
Alarm relay	3OVDC IA, 125VAC 0.5A (relay output)	
Network connection	RJ45 10M/100M Ethernet connection	
Pan-tilt control	RS485	
Power	110±15%V 60±2% HZ	
Power consumption	80W	
Working temperature	—10 C — + 55 C	
Working humidity	10% —90%	
Barometric pressure	86kpa— 106kpa	

STORAGE CALCULATION GUIDELINES			
	IMAGE QUALITY	30 F/S	DAYS
80G	1(128KB/S)	128 KB/S	61
	2(256KB/S)	256KB/S	30
MP4(CIR)	3(384KB/S)	384KB/S	20*
	4(512KB/S)	512KB/S	15
	5(768KB/S)	768KB/S	10
	6(1024KB/S)	1024KB/S	8

\*This reads that with an 80G hard disk, at CBR 30 fps and Image Quality 3, and DVR will be able to record 20 days.

CODING	IMAGE LEVEL	RESOLUTION	FRAMES	MAX DATA FLUX	AVERAGE HDD SPACE/HOUR
CBR	1	352*288	30	128KB/S	40MB
	2	352*288	30	256KB/S	80MB
	3	352*288	30	384KB/S	120MB
	4	352*288	30	512KB/S	160MB
	5	352*288	30	768KB/S	240MB
	6	352*288	30	1MB/S	320MB

Note: DVR-14MR supports 30 frames per second recording in total for the whole machine. Users may choose to record a single channel in real time (30fps) or split the system resources evenly among several channels. Under the LIMITED mode, every one of the four cameras will be recording at a fix rate of 7.5 fps. Under the AUTO mode, depending on the number of channels that are recording, a channel can take 30, 15, 10 or 7.5fps.