

## Specification

System	
Main Processor	High performance embedded microprocessor
Operating System	Embedded LINUX
System Resources	Pentaplex function: live, recording, playback, backup & remote access
User Interface	GUI, on-screen menu tips.
Control Device	Front panel, USB mouse, DAHUA keyboard, IR remote control, network keyboard.
Input Method	Numeral/Character/Denotation
System Status	HDD status, data stream statistics, log record, bios version, on-line user etc.

Video							
Video Input	3/4 channel, BNC, 1.0Vp-p, 75 $\Omega$ ,						
Video Output	1 channel TV output BNC, 1.0Vp-p, 75 $\Omega$ 1 VGA output						
Video Standards	PAL (625Line, 50f/s) , NTSC (525Line, 60f/s)						
Video Compression	H.264						
Video Resolution	<table border="1"> <thead> <tr> <th>Format</th> <th>NTSC</th> <th>PAL</th> </tr> </thead> <tbody> <tr> <td>CIF</td> <td>352 X 240</td> <td>352 X 288</td> </tr> </tbody> </table>	Format	NTSC	PAL	CIF	352 X 240	352 X 288
Format	NTSC	PAL					
CIF	352 X 240	352 X 288					
Video Recording	CIF: PAL 1f/s-25f/s NTSC 1f/s-30f/s;						
Video Display Split	Full and multiple screen display, 1 / 4						
Tour Display	Support						
Image Quality	1~6 level(level 6 is the best)						
Privacy Masking	Self-defined four-sided zone for privacy masking for each camera						
Camera Lock	Camera locked for users						
Camera Adjustment	Adjust color according to different time period						
Video Information	Camera title, time, video loss, camera lock, motion detection, recording						
TV Output Adjustment	Adjust TV output color & display zone						

Audio	
Audio Input	3/2 channel, BNC, 200-2800mV, 30K $\Omega$
Audio Output	1 channel, BNC, 200-3000mv, 5K $\Omega$
Audio Compression	ADPCM

Video Detection & Alarm	
Motion Detection	Zones: 192 (16*12) detection zones Sensitivity: 1~6 (level 6 is highest) Trigger recording, PTZ movement, tour, alarm, e-mail & FTP
Video Loss	Trigger recording, PTZ movement, tour, alarm, e-mail & FTP
Camera blank	Trigger recording, PTZ movement, tour, alarm, e-mail & FTP

Alarm Input	4 channel, programmable, ground, manual open/closed Trigger recording, PTZ movement, tour, alarm, e-mail & FTP
Relay output	3 channel, 30VDC, 1A, NO/NC, form-C.

Hard Disk	
Hard Disk	2 IDE ports, 2 HDDs supported
Space Occupation	Audio : 14.4MB/H Video : 56~400MB/H
HDD Management	Hard disk hibernation technology, HDD faulty alarm & Raid (Redundancy)

Record, Playback & Backup	
Recording Mode	Manual, continuous, video detection (including motion detection, camera blank, video loss), Alarm
Recording Priority	Manual>Alarm>Video Detection>Continuous
Recording Interval	1 to 120 minutes(default:60 minutes)
Overwrite Mode	Support
Raid Function	Support
Search Mode	Time/Date, Alarm, Motion Detection & exact search ( accurate to second)
Playback	2 channel playback simultaneously, Play, pause, stop, rewind, fast play, slow play, next file, previous file, next camera, previous camera, full screen, repeat, shuffle, backup selection.
Digital Zoom	Selected zone can zoom into full screen during playback
Backup Mode	Flash stick/USB HDD/USB CD-RW/DVD-RW/network download

Network	
Interface	RJ-45 Port (10/100M)
Network Functions	TCP/IP, DHCP, DDNS, PPPOE, E-mail, FTP
Remote operation	Monitor, PTZ control, playback, system setting, file download, log information

Auxiliary Interface	
USB Interface	2 ports, 1 for mouse control, 1 for backup
RS232	DAHUA keyboard, PC communication
RS485	PTZ control

Environmental	
Power Supply	220V 50Hz / 110V 60Hz
Power consumption	25W
Working Temperature	-10 $^{\circ}$ C~+55 $^{\circ}$ C
Working Humidity	10%~90%
Atmosphere Pressure	86kpa~106kpa
Dimension	200mmx130mmx170mm (W*D*H)
Weight	5.0KG
Mounting	Desktop or rack