

Product Specifications

Federal Series Security DVR



Features

- 960 x 480 Realtime Recording
- HDMI (1080p)/VGA/BNC Out
- Dual Core CPU
- Dual Gigabit Ethernet
- Up to 24TB Internal Storage
- Designed for Enterprise Use

Model	DVR-FE04120		DVR-FE08240	DVR-FE01648
System				
Main Processor	High performance Dual-core embedded microprocessor			
Operating System	Embedded LINUX			
System Resources	Pentaplex function: live, recording, playback, backup & remote access			
Control Mode	Front panel, USB mouse, IR remote control, Keyboard, Network			
Video				
Input	4 channel, BNC(1.0Vp-p, 75Ω)	8 channel, BNC(1.0Vp-p, 75Ω)	16 channel, BNC(1.0Vp-p, 75Ω)	
Standard	NTSC/ PAL, Effio 960H camera			
Output	1 HDMI, 1 VGA, 1 TV, 1 Spot, BNC(1.0Vp-p, 75Ω)			
Loop Output	4 channel	8 channel	16 channel	
Audio				
Input	4 channel, BNC(200-2800mV, 30KΩ)	8 channel, BNC(200-2800mV, 30KΩ)	16 channel, BNC(200-2800mV, 30KΩ)	
Output	1 channel, BNC(200-3000mV, 5KΩ)			
Bidirectional Talk	1 channel Input, BNC(200-2800mV, 30KΩ), 1 channel Output, BNC(200-3000mV, 5KΩ)			
Display				
Display Split	1/4	1/4/8/9	1/4/8/9/16	
Spot Split	1/4	1/4/9	1/4/9/16	
Resolution	1920×1080, 1280×1024, 1280×720, 1024×768			
Tour Display	Support			
Privacy Masking	4 self-defined four-sided zones for privacy masking for each camera			
OSD	Camera title, time, video loss, camera lock, motion detection, recording			
Recording				
Video/Audio Compression	H.264 / G.711			
Image Resolution	960H(960×576/960×480)/D1/4CIF(704×576/704×480) / HD1(352×576/352×480) / 2CIF(704×288/704×240) / CIF(352×288/352×240) / QCIF(176×144/176×120)			
Encoding Speed	Main Stream: 960H/D1/HD1/2CIF/CIF(1~25/30fps)			
	Extra Stream: CIF/QCIF(1~25/30fps)			
Bit Rate	32~4096Kb/s			
Recording Quality	CBR, VBR(1~6 level, level 6 is the best)			
Recording Mode	Manual, Schedule(Regular(Continuous), MD(Video detection: Motion detection, Camera blank, Video loss), Alarm), Stop			
Recording Priority	Manual >Alarm >MD >Regular			
Recording Interval	1~120 min. (default: 60 min.), Pre-record: 1~30 sec., Post-record: 10~300 sec.			
Video Detection & Alarm				
Trigger Events	Recording, PTZ movement, Tour, Alarm, Email, FTP, Spot, Buzzer & Screen tips			
Motion Detection	Zones: 396(22×18), Sensitivity: 1~6 (level 6 is highest)			
Video Loss & Camera Blank	Support			
Alarm Input	4 channel	8 channel	16 channel	
Relay Output	6 channel			
Playback & Backup				
Playback Channel	1/2/4/All			
Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search			
Playback Functions	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom(any size)			
Backup Mode	Flash drive/ USB HDD/ USB CD&DVD-RW / eSATA Device / Built-in SATA burner/ Network download			
Network				
Ethernet	RJ-45 port (10/100M/1000M)			
Network Functions	HTTP, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server			
Remote Operation	Monitor, PTZ control, Playback, System setting, File download, Log information			
Hard Disk				
Hard Disk	8 SATA ports, 8 HDDs or 6 HDDs + 1 CD/DVD-RW, Up to 24TB			
eSATA	4 External SATA ports, up to 12TB			
Space Occupation	Audio: 28.8MB/H, Video: 56~1800MB/H			
HDD Management	HDD Group, HDD hibernation technology, HDD faulty alarm & Raid(Redundancy)			
Auxiliary Interface				
USB Interface	3 ports, For mouse control & backup			
RS232	keyboard, PC communication			
RS485	PTZ control			
Environmental				
Power Supply	AC 100~240 V, 50/60 Hz			
Power Consumption	25W	30W	40W	
Working Environment	-10 ~+55℃ / 10~90%RH / 86~106kpa			
Dimension	2U, 440mm×460mm×89mm(W×D×H)			
Weight	6.5KG(without HDD)			