

## Forensic series Standalone DVR



### Model

DVR-F40            4 channel video basic model with 5 inch LCD

### Features

- H.264 compression algorithm ideal for standalone DVR
- Realtime live display up to 4 cameras, 100/120 fps recording for D1(4CIF), 2CIF, CIF, QCIF
- Dual encoding streams support, flexible for network transmission
- Pentaplex function: live, recording, playback, backup & remote access
- 4 SATA HDDs supported & CD/DVD-RW supported
- Video record files are stored in HDD and backed up by burner simultaneously
- Built-in 5 inch color LCD, support picture in picture live viewing as well as playback
- CD/DVR-RW automatically switch and CD/DVR change promotion
- Forensic information input & display during playback and data encryption for police use
- Multiple control methods: front panel, DVR keyboard, USB mouse and network keyboard
- Smart video detection: motion detection, camera blank, video loss
- Smart camera settings: privacy masking, camera lock, color setting, and title display
- Pan Tilt Zoom and Speed Dome Control: more than 60 protocols supported, preset, scan, auto pan, auto tour, pattern, auxiliary function supported. And with ICRealtime Speed Domes, 3D intelligent positioning function supported
- 2 channel audio inputs & bidirectional talk supported
- Easy backup methods: USB devices, CD-RW/DVD-RW & network download
- Alarm triggering screen tips, buzzer, PTZ preset, e-mail, FTP upload
- Smart HDDs Management: non-working HDD hibernation, HDD faulty alarm, Raid function.
- Powerful network software: built-in web server, multi-DVR client & CMS. Networking access for remote live viewing, recording, playback, setting, system status, event log, e-mail & ftp function

## Specifications

<b>Model</b>	<b>DVR-F40</b>		
<b>System</b>			
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, DVR 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.		
<b>Video</b>			
Video Input	4 channel, BNC, 1.0Vp-p, 75Ω		
Video Output	1 VGA output; 1 channel TV output, BNC, 1.0Vp-p, 75Ω		
Video Standards	PAL(625Line, 50f/s), NTSC(525Line, 60f/s)		
Video Compression	H.264		
Video Resolution	Format	NTSC	PAL
	D1(4CIF)	704*480	704*576
	2CIF	704*240	704*288
	CIF	352*240	352*288
QCIF	176*120	176*144	
Video Recording	PAL: 1f/s~25f/s, NTSC: 1f/s~30f/s		
Video Display Split	1/4 full and multiple screen display; Picture-in-picture display		
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		
<b>Audio</b>			
Audio Input	2 channel, BNC, 200-1000mV, 10KΩ 1 channel MIC input,		
Audio Output	1 channel, BNC, 200-3000mv, 5KΩ 1 channel Headset output		
Audio Compression	G.711		
<b>Video Detection &amp; Alarm</b>			
Motion Detection	Zones: 396 (22*18) detection zones Sensitivity: 1~6 (level 6 is highest) Trigger recording, PTZ movement, tour, alarm		
Video Loss	Trigger recording, PTZ movement, tour, alarm		

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Camera Blank	Trigger recording, PTZ movement, tour, alarm
Alarm Input	4 channel, programmable, ground, manual open/closed Trigger recording, PTZ movement, tour, alarm
Relay output	3 channel, 30VDC 2A, 125VAC 1A, NO/NC, form-C
<b>Hard Disk</b>	
Hard Disk	4 SATA ports, 4 HDDs supported
Space Occupation	Audio: 28.8MB/H Video: 56~900MB/H
HDD Management	Hard disk hibernation technology, HDD faulty alarm & Raid(Redundancy)
<b>Record, Playback &amp; Backup</b>	
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, Card number, Alarm, Motion Detection & exact search (accurate to second)
Playback	2 channel playback simultaneously, 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 disk, USB HDD, USB CD/DVD-RW, Built-in 1~2 SATA Burner, Network download
<b>Network</b>	
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
<b>Auxiliary Interface</b>	
USB Interface	USB 2.0, 2 ports, 1 use for mouse control, 1 use for backup
RS232	DVR keyboard, PC communication
RS485	PTZ control
<b>Environmental</b>	
Power Supply	220V $\pm$ 10% 50Hz $\pm$ 2% / 110V 60Hz
Power consumption	25W(without HDD)
Working Temperature	0 $^{\circ}$ C~+55 $^{\circ}$ C
Working Humidity	10%~90%
Atmosphere Pressure	86kpa~106kpa
Dimension	365mmx200mmx132mm (W*D*H)
Weight	7.5KG
Mounting	Desktop or rack

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## Application Diagram

