

PC SWAPPABLE H.264 STANDALONE DVR

Multi-monitor CMS / support external DVD-RW / Automatic schedule backup

H5000 series



DVR FEATURES

- 4 ch, 8 ch & 16 ch video inputs
- Main stream profile H.264 guarantees crystal clear picture quality for live, playback and archiving file
- Real-time live and playback on multi-split screens
- Individual camera configuration : record mode, resolution, speed and audio
- Support 80 models of PTZ and 4 models of keyboard
- Pentaplex feature supports simultaneous operation of Live monitoring, Playback, Recording, Networking & Archiving
- Installation up to 2 x SATA HDDs (up to 2TB per each) and PC swappable HDD format
- Archiving to USB Memory Stick, External DVD-RW, USB HDD & FTP schedule archive
- Support mobile phone viewer (i-Phone, Blackberry, Symbian, Windows Mobile, Win CE and Android)

Real-time Record / Playback

4ch → 704 x 576 (4CIF) 100 fps

8ch → 704 x 288 (2CIF) 200 fps

16ch → 352 x 288 (CIF) 400 fps

- User-friendly DVR GUI
- Record resolution is automatically changeable at event during schedule record mode
- PC compatible HDD file system enables to replay recorded data on a PC
- 1 ch audio recording & playback / 4 ch alarm inputs and 1ch alarm output
- GMT Time Zone & NTP (Network Time Protocol) with DST (Daylight Saving Time) auto-adjustable.
- Control Device – Mouse, IR Remote Controller, Front Key Buttons, Virtual Keyboard & dedicated wired Key Board
- Up to 256 DVRs controlled by a IR Remote Controller
- Network – DHCP, Static IP, DDNS, bandwidth control, uPnP, multi-user, web viewer & mobile viewers
- Setup configuration can be loaded / saved via USB memory



CMS FEATURES (CENTRAL MONITORING SYSTEM)



Live Mode



Playback Mode

- Split up to 64 screen
- Various view layout
(1, 4, 9, 16, 25, 36, 49, 64, 1+5, 1+12, 1+9, 2+8, 3+4, 4+9)
- Support Multi-monitor & multi user logon
(up to 10 monitors)
- Remote monitoring, playback & setup



PTZ control



Search mode



Alarm control

- Support Web Viewer & various mobile viewers
(i-Phone, Windows Mobile, Symbian...)

SPECIFICATIONS

Classification		Specification		
		H5004	H5008	H5016
Multiplex Operation		Pentaplex (Live / playback / Recording / Network / Backup)		
Video	Standard	NTSC / PAL (programmable select)		
	Input	4 x BNC (1.0Vp _{pk} 10%@75Ω)	8 x BNC (1.0Vp _{pk} 10%@75Ω)	16 x BNC (1.0Vp _{pk} 10%@75Ω)
	Output	Main: 1 x BNC / Spcl: 1 x BNC D-sub 15 pin (VGA / 1024 x 768)		
Audio		1 input & 1 outputs (RCA / <1.4Vp _p @ 20KΩ) / 15 levels & mute / G.726		
Live Mode	Resolution	704 x 576, 704 x 288, 352 x 288 (PAL) / 704 x 480, 704 x 240, 352 x 240 (NTSC)		
	Screen Format	1 / 4 split screen	1 / 4 / 9 split screen	1 / 4 / 9 / 16 split screen
	Image Control	Contrast / Brightness / Saturation / Hue		
Hidden Camera		Configurable		
Codec		Video: H.264 (Mainstream Profile) / Audio: G.726		
Resolution		704 x 576, 704 x 288, 352 x 288 (PAL) / 704 x 480, 704 x 240, 352 x 240 (NTSC)		
Recording	Rate	352x288@100 fps (P) / 352 x240@120 fps (I) 704x288@100 fps (P) / 704x240@120 fps (I) 704x576@100fps (P) / 704x480@120 fps (I)	352x288@200 fps (P) / 352 x240@240 fps (I) 704x288@200 fps (P) / 704x240@240 fps (I) 704x576@100 fps (P) / 704x480@120 fps (I)	352x288@400 fps (P) / 352 x240@480 fps (I) 704x288@200 fps (P) / 704x240@240 fps (I) 704x576@100 fps (P) / 704x480@120 fps (I)
	Image Quality	5 levels		
	Mode	Normal / Panic / Schedule / Motion / Alarm		
	Pre & Post-Alarm	Pre-alarm: 5 sec. / Post-alarm: 1 - 20 sec.		
	Others	Watermark / Holiday Recording Set		
Storage	SATA HDD	Up to 2 HDDs		
Backup	Format	AVI, Native DB		
	Media	External DVD-RW / USB2.0 Memory / External USB Storage / FTP (Schedule backup support)		
Search	Mode	Calendar / Event search / Time bar search		
	Playback Control	Forward & Reverse Playback Speed: x1 / x2 / x4 / x8 / x16 / x32 / x64 Next Frame / Previous Frame / Pause		
Quick Playback		Instant playback mode: 10 minute ago		
Alarm	In	4 ports (NIC / NO programmable)		
	Out	1 ports (separate port of NIC / NO, 125VAC or 24VDC relay)		
Event	Source	Alarm-in / Motion / Power-up / Video Loss / HDD Overwrite / Full / Over Temperature / S.M.A.R.T		
	Notification	Alarm-out / buzzer / e-mail		
Motion Detection		5 sensitivity levels / 15 x 15 block		
Network		10 / 100 Ethernet (RJ-45) / DDNS / uPnP / Bandwidth Control / e-mail notification / FTP backup		
PTZ		RS-485 / Various PTZ protocols defaulted		
Language		English / Japanese / Portuguese / Russian / Italia / Spanish ...		
System Management		S.M.A.R.T / Software & Hardware Watch-Dog / Automatic Data Recovery / Log book for history remaining (up to 1,000 records) / Import or export of system parameters		
User Management		4 users with different job assignment (Admin / User1 / User2 / Guest)		
Time Management		GMT / Network Time Server (NTP) / DST		
Firmware Upgrade		USB / Network		
Control Device		GUI / Mouse / Front Panel / IR Remote Controller / Dedicated PTZ Keyboard Controller / Virtual Keyboard		
Remote Client	CMS	64 split screen / Multi-monitor / Multi user login / Remote Setup / e-Map / Event Server		
	Web Client	Support		
Mobile Viewer		iPhone / Windows Mobile / Symbian / Blackberry / Android		
Operating Temperature		5 - 40 degree / 0 - 90% RH (non-condensing)		
Storage Temperature		-10 - 60 degree / 0 - 90% RH (non-condensing)		
Dimension / Weight		340mm(W) x 255mm(D) x 60mm(H) / 1.6kg (without HDD)		
Power Requirement		+12VDC / 3.33A		

- Accessories (include system) : CMS software & manual CD, IR remote controller, Adapter
- Optional Items (sold separately) : External DVD-RW driver, IR remote controller extender, HDD, Wired keyboard,

