

# DVR SPECIFICATION (8004LX , 8004/8/16MX , 8016SX )



GENERAL		8004LX	8004MX	8008MX	8016MX	8016SX
Video Input		4ch.	4ch	8ch.	16ch.	16ch.
Operating System	Embedded Linux					
Quadruplex Function	Simultaneous Record / Playback / Network / Archive					
Video Compression	H.264 Effect Level					
Average File Size (CIF, Standard)	352x240/288	1.5 ~ 3KB / Frame				
	720x240/288	3 ~ 6KB / Frame				
	720x480/576	6 ~ 12KB / Frame				
Max. Recording Speed (NTSC/PAL)	352x240/288	120/100pps(full fps)	120/100pps(full fps)	240/200pps(full fps)	240/200pps(full fps)	480/400pps(full fps)
	720x240/288	60/50pps(full fps)	120/100pps(full fps)	120/100pps(full fps)	120/100pps(full fps)	240/200pps(full fps)
	720x480/576	30/25pps(full fps)	60/50pps(full fps)	60/50pps(full fps)	60/50pps(full fps)	120/100pps(full fps)
Live Display Speed	480pps@720x480(NTSC), 400pps@720x576					
Live Display & Playback Mode	1,4, PIP	1,4,PIP	1,4,9,PIP	1,4,9,16, PIP	1,4,9,16,PIP	
Video Output	1 Composite, 1 S-Video, 1 Spot, 1 VGA(640x480, 800x600, 1024x768, 1280x1024)					
Alarm In/Out	4/4	4/4	8/4	16/4	16/4	
Audio In/Out	4/1	4/1	4/1	4/1	8/1	
Loop-out	4ch(Built-in)	4ch(Built-in)	8ch(Built-in)	16ch(Option, D-sub cable)	16ch(Option, D-sub Cable)	
PTZ & CCTV Keyboard Interface	RS-485					
System Control	USB Mouse*, Front Function Buttons, IR Remote Controller, CCTV Keyboard controller*					
Power	DC 12V & 5A, 50~60Hz		DC 12V 7A, 50~60Hz		AC100~240, 50~60Hz	
Dimension & Weight	360 x 355 x 65 mm & 5Kg*				420 x 450 x 90 mm & 9Kg*	
Operating Temperature	5~40 °C / 20~80% RH					
Certification	CE & FCC & MIC & WEEE, RoHS					
MAIN FEATURES		8004LX	8004MX	8008MX	8016MX	8016SX
<b>GENERAL</b>						
- Quick Setup	Easy setup for general resolution, recording speed, recording mode, recording time period					
- Playback	X1/X2/X4/X8/X16/X32 speed, Original resolution ~ Full screen resolution					
- Search	Search by Calendar(Graphic Time Bar) / Date & Time / First / Last / System Log / Event Log					
<b>SYSTEM</b>						
- Time Synchronization	Automatic Time Sync. by server to server, or client to server (1hr detection interval)					
- Firmware Upgrade	Via DVD/CD/FTP/USB Thumb drive (single file upgrade)					
- VGA display	640x480, 800x600, 1024x768, 1280x1024 (Selectable by user)					
- Spot-out	Sequencing channel selection, Max.12 seconds pop-up pause upon alarm detection					
- No. of Log-in user registration	Max. 16 users					
- User Authority	Each user has different "function", "menu setting per function", "Playback & Live per ch."					
- Health Checking	Overheat alert, HDD temp. & status check, No HDD alert, SMART alert.					
- Configuration Export & Import	Setting configuration copy & paste to other DVR via USB/DVD/CD					
- HDD Management	HDD ID, Model name, Capacity, Free space left, Temperature, Overwriting, Format					
<b>DEVICE</b>						
- Motion Area Setting	12 x 12 grids / 10~100 Sensitivity Level					
- PTZ operation	Virtual joy-stick by mouse, CCTV keyboard, Pre-set up to 255.					
- Recording Modes	Continuous, Motion, Sensor, Con.+Motion, Con.+Sensor, Motion+Sensor, Emergency					
- Intensive Recording	Automatic maximum recording frame speed upon Motion/Sensor detection					
- Pre-Alarm	Max. 3 seconds for Max. 90fps in NTSC (75fps in PAL)					
- Post-Alarm	Max. 15 seconds for Max.450fps in NTSC (375fps in PAL)					
- Extra Alarm	S.M.A.R.T, Video Loss, Recording Failure, HDD full alerts					
<b>RECORD</b>						
- Resolution Setting	By each camera for different resolution setting (1CIF/2CIF/D1)					
- Recording Quality Level	Low/Standard/High/Highest					
- Auto Deleting	Automatic data deleting for privacy protection (from None to 366days)					
- Recording Schedule	By hour, By day, By holiday setup, By recording modes, By Ch., By All					
<b>NETWORK</b>						
- Network Support Type	LAN/DHCP					
- Web Port	Programmable by user					
- DDNS	Automatic linkage to DDNS server(cctv-link.net) by Mac. Address					
- Email Notification	Log/System/Sensor/Video Loss/Record Fail/Setup change/Shutdown/Motion/HDD Full/SMART					
- Remote S/W Notification	Log/System/Sensor/Video Loss/Record Fail/Setup change/Shutdown/Motion/HDD Full/SMART					
- Network S/Ws	Web Browser(16ch.), RMS(16ch.), CMS(32ch~Limitless)*					
<b>ARCHIVE</b>						
- Archive Device	DVD/CD/USB Thumb Drive					
- Quick Backup	Quick & Easy backup(Pressing "ENTER" button) during playback					
- Manual Backup	Time setting backup, Backup file size checking, Viewer.exe					
- AVI Conversion	Converting from SSF format to AVI format in RMS					
<b>RMS (RemoteManager S/W)</b>						
- Screen Size Flexibility	Flexible as much as mouse dragging up to full screen					
- DVR Registration (Grouping)	Grouping by camera channel (1~16ch)					
- Drag & Drop operation	Mouse drag & drop for Camera & DVR selection					
- System Configuration	Full setup configuration over network					
- Local backup	Archiving by SSF(Manufacturer's own format), AVI for live backup, JPEG for still-image snap shot					
- Alert	Alert message / Video pop-up					
- AVI Converter	Converting from SSF format to AVI format in RMS					
- De-Interlacing	Interlacing / De-interlacing selection for D1(720x480/576)					

\* Optional Item

Specifications are subject to change without prior notice