

# 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