

KXR4008/4016

DIGITAL VIDEO RECORDER



KXR4008/4016

KXR4008/4016 Digital Video Recorder (DVR) is an advanced, networked video management system that delivers a long term, low-maintenance digital video storage and retrieval solution. The KXR4008/4016 DVR can be seamlessly integrated into existing CCTV systems, providing comprehensive solutions for security, monitoring, transaction, access control and safety applications.

The KXR4008/4016 is a high quality digital video and audio recording unit that comes standard with 8/16-video inputs, 1-audio input/output and 16-alarm inputs. Intelligent video management allows simultaneous video recording, monitoring and playback, permitting real-time investigation of alarm events. The superior networkability of the KXR4008/4016 allows remote monitoring and recording over IP networks or dial-up via POTS built-in modem. A networked system can be centrally configured to control any number of cameras enabling multi-site deployment and multi-user viewing and monitoring.

Installation and operation of the KXR4008/4016 is fast and efficient. Initial set-up, including network configuration, camera recording parameters and alarm-based recording, is easily managed on-site or remotely. Superior system reliability, combined with remote diagnostics and maintenance functions, make the KXR4008/4016 the ideal digital video solution.

- **25/30 images/sec Display with switching**
- **Max. 25/30 images/sec Recording (320x240 CIF resolution)**
- **Pentaplex (Monitoring, Recording, Playback, Remote access at the same time)**
- **Providing Record Time Table for easy searching**
- **Own DB structure for strengthening stability and quick searching**
- **Anti-Editing function using Chained Finger Print Encryption**
- **Remote Playback via LAN, PSTN, ISDN**
- **Real Time Remote Monitoring and Controlling**
- **Own compression algorithm ML-JPEG (Average 2 ~ 4KB / image in 320x240 CIF resolution)**
- **User Friendly GUI**
- **UPS for power interruption and stability (Option)**
- **Hardware Watch Dog Timer Function**
- **Multicasting**
- **Easy remote access via internet Explorer for live viewing**



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TECHNICAL SPECIFICATIONS

MODELS

KXR4008N/4016N	NTSC models
KXR4008P/4016P	PAL models

GENERAL

Camera In	8/16 ch NTSC / PAL - BNC con.
Video Out	PC Monitor and NTSC/PAL Monitor SVGA
Display Speed	25/30 images/sec NTSC/PAL
Recording Speed	Max. 25/30 images/sec NTSC/PAL
Compression	JPEG, ML-JPEG
Data Size	2 - 4KB Average (ML-JPEG : 320x240 resol.)
Recording Resolution	160x120, 320x240, 640x240, 640x480
Screen Division	1, 4, 7, 9, 10, 16
Storage Structure	Own DB structure (IBANK Structure)
Security	Chained Finger Print Encryption
Recording Schedule	Scheduled by Camera, Date and Time
Motion Detection	Provided
Remote Function	Remote Playback, Remote real time Monitoring (Option)
Transfer Rate	PSTN : 2 - 3 fps, LAN : Max. 30 fps
I/O	16/1 ports
Camera-Sensor connection	M : N
Multi-Tasking	Monitoring, Recording, Searching, Transferring, Backup at the same time

Searching	Recording Table Provided, (time/date), Smart Search
Image Processing	Intpl, Blur, Sharp provided
Book Mark	Provided
Backup	Provided auto / manual backup to DVD, network driver
OSD (OnScreen Display)	Cam ID, Location, Status, Mode Display Time, Date
Special Searching	Multi-Screen Playback, Smart Search
Power Control Function	UPS (Option), Power Control circuit inside
Dimensions	7(H) x 19(W) x 15 3/4(D) in.
Weight	48 lbs. (22Kg)

ADDITIONAL ACCESSORIES

KX4DVDRM - DVD Ram Drive
KXR4S080 - Additional 15 days storage with 16 inputs recording @ CIF resolution 1 PPS / camera
KX4CDRW - Internal CDRW drive

HDD calculator

The variables in the fields below has been considered the Max. Recording Capacity of IDR.			The values in the fields below are calculated from the values on the left under some assumption.					
Pictures per second per camera (variable)	Number of Cameras per DVR (variable)	File size per Second (in kB) (variable)	Rec. Duration for 1GB (in minutes)	Rec. Duration for 1GB (in hours)	Rec. Duration for 50 GB (in days)	Rec. Duration on 100GB (in days)	Rec. Duration on 200GB (in days)	Rec. Duration on 300GB (in days)
1	1	3	5555.56	92.59	192.90	385.80	771.60	1157.41
	4	12	1388.89	23.15	48.23	96.45	192.90	289.35
	9	27	617.28	10.29	21.43	42.87	85.73	128.60
	16	48	347.22	5.79	12.06	24.11	48.23	72.34
2	1	6	2777.78	46.30	96.45	192.90	385.80	578.70
	4	24	694.44	11.57	24.11	48.23	96.45	144.68
	9	54	308.64	5.14	10.72	21.43	42.87	64.30
	15	90	185.19	3.09	6.43	12.86	25.72	38.58
3	1	9	1851.85	30.86	64.30	128.60	257.20	385.80
	4	36	462.96	7.72	16.08	32.15	64.30	96.45
	9	81	205.76	3.43	7.14	14.29	28.58	42.87
4	1	12	1388.89	23.15	48.23	96.45	192.90	289.35
	4	48	347.22	5.79	12.06	24.11	48.23	72.34
	7	84	198.41	3.31	6.89	13.78	27.56	41.34
5	1	15	1111.11	18.52	38.58	77.16	154.32	231.48
	4	60	277.78	4.63	9.65	19.29	38.58	57.87
	6	90	185.19	3.09	6.43	12.86	25.72	38.58
10	1	30	555.56	9.26	19.29	38.58	77.16	115.74
	3	90	185.19	3.09	6.43	12.86	25.72	38.58
30	1	90	185.19	3.09	6.43	12.86	25.72	38.58

Design and specifications subject to change without notice.

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