

# SA-440

## 4-Channel Stand Alone DVR

- EASY AND USER INTERFACED OPERATION SYSTEM
- MOTION DETECTION ( SOFTWARE ) AVAILABLE
- CONNECTION TO ANY TV OR MONITOR
- MULTI-LANGUAGE SUPPORT ( 8 LANGUAGE )
- REMOTE CONTROL
- NETWORK ( STATIC IP )
- NTSC, PAL AND AUTO ( AUTOMATIC SET UP )

ITEM	DESCRIPTION	REMARKS
<b>VIDEO</b>		
Video Input Format	NTSC/PAL	AUTO DETECTION FUNCTION
Operating Systems	RTOS in firmware	
Video Input Channels	4CH Composite Video ( BNC )	
Video Output Channels	2CH Composite Video ( BNC )	
Loop Through Output	4CH Composite Video ( BNC )	
Input Level	1.0Vp-p +/- 10% Composite, 75 Ohm Unbalanced	
Main TV Output 1	1.0Vp-p 10% Composite, 75 Ohm Unbalanced	
Main TV Output 2	1.0Vp-p 10% Composite, 75 Ohm Unbalanced	
Display Resolution	NTSC	720 X 480
	PAL	720 X 576
Display Frame Rate	NTSC	Max 120 frames/sec
	PAL	Max 100 frames/sec
		4 X 30 frames/sec
		4 X 25 frames/sec
Screen Split Control	1/4 Screen	
<b>RECORDING</b>		
Recording Frame Rate ( Quad Mode )	NTSC	Max 30 fps ( Quad )
	PAL	Max 25 fps ( Quad )
		30 frames/s(per recording CH)
		25 frames/s(per recording CH)
Recording Frame Rate	NTSC	Max. 7.5 fps(Each Mode)
Each Mode	PAL	Max. 6.25 fps(Each Mode)
		Each Mode = Max frame / number of video source
Recording Mode	Manual / Programmed / Sensor / Motion Detection	
Recording Resolution	NTSC	320 X 112, 640 X 224
	PAL	320 X 136, 640 X 272
		Quad : 640 X 224 ( Total )
		Each Channel : 640 X 224
Compression Format Each Channels	Modified MJPEG ( 12-20K bytes/frame )	
		Low : 12KB/frame
		Normal : 15KB/frame
		High : 20KB/frame
Scheduleing	Setup per Hour	
Alarm Out Time	00,05,10,15,20,25,30,CONT	
Internal EIDE Storage	Max 1HDD	MAX. 1TB
<b>AUDIO</b>		
Compression	ADPCM	
Input Channel	1CH ( Connectable to any video channel )	
Input Level	200mVp-p@20K Ohm	
Live Output	1CH	
<b>SEARCHING &amp; PLAYBACK</b>		
Searching Method	Time/Event	
<b>NETWORK</b>		
Monitoring Environment	Client S/W	
Connection	Supporting 1 Client ( FUNCTION : Live Monitoring/HDD Searching/Setup Available )	
<b>ALARM</b>		
Sensor Input	4 Port / N-C or N-O Non-isolated TTL input Ground Common	
Alarm Output	1 Port / N-O isolated Relay Output	
Motion Detection	Available for each camera Multi Detection Level	
<b>CONNECTOR</b>		
Video Output	4 Ports ( BNC )	
Loop Through Output	4 Ports ( BNC )	
Audio Input(mono)	RCA 1 Port ( White )	
Audio Output(mono)	Line Output, RCA Jack(Red)	
Video Output	2 Ports ( BNC )	
Sensor Input	8 Pins Terminal Block(4 pins ground terminal)	
Alarm Output	2 pins Terminal Block	
Ethernet	RJ-45, 10Mbps / 100Mbps	
<b>ELECTRICAL</b>		
Power Source	DC 12V, 5A	
Power Consumption	Appx. 30watt	
<b>ENVIRONMENTAL</b>		
Operating Temp.	+5 ~ +40°C	
Storage Temp.	+5 ~ +60°C	
Humidity	30 ~ 80% RH ( non-condensing )	
<b>PHYSICAL</b>		
Dimension	335(W) X 65(H) X 250(D)mm	
Weight	Appx. 2Kg	
<b>OTHERS</b>		
OSD Language(Multi-Language)	English,Japanese,Chinese,Korean,German,Portuguese,Spanish,Danish	
Network	Available	
Remote Control	Available	



SA-440 & REMOTE CONTROLLER



FRONT



REAR

