

# KSR-916

16CH Full D1 Recording  
Real-time Standalone DVR

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Real-time Standalone DVR

The End of The Line...



## Main Features



Real Time Recording(Full-D1)



Compact Picture Storage



Built-in POS



Internal Radi 1 Supported



HDMI, E-SATA



CMS

**CoviSec**  
Vigilant Intelligence™

**KODICOM**

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## Main Features



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## KSR-916 New Features

### 1. Internal RAID Feature

-Description: A RAID1 files structure can be configured within the setup menu

-Notes:

HDD sizes must be the same in order to use this feature

Currently only RAID1 is available

### 2. Extended Playback Speed (1x,2x,4x,8x,16x,32x,64x,1/8x,1/4x,1/2x)

-Description: More playback speeds

-Notes:

Playback is noticeably smoother

### 3. Dual Layer Motion Zone Settings

-Description: Two layers of motion detection zones can be setup

-Notes:

Useful for specifying regions of higher sensitivity

The two layers will be distinguished by two different colors

### 4. POS Interface

-Description: POS information can be stored and used to search

-Notes:

POS communication is via RS-232

Custom POS string formats can be input into the protocol database

POS search can be done by transaction number

### 5. External Storage – eSATA

-Description: Recording or Backup onto an external storage via an eSATA type connection

-Notes:

KSS-500/KSS-600 uses an eSATA type connection

eSATA transfer rates are higher than both USB & Firewire

### 6. HDMI Video Output Support

-Description: HDMI video output is now supported

-Notes:



Supports an HDMI resolution of 1080i/60Hz

VGA or HDMI cannot be used simultaneously

## High-End Stand-Alone DVR (KSR-916)

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- **Full HD(High Definition) display out (1080p Video up Scale)**
  - HDMI connection available via port on back panel of KSR-916
- **High level resolution monitor display out setting supports (Max 1080p/60Hz)**

VGA support resolution	HDMI support resolution
<b>800 X 600</b>	<b>480 / 576p</b>
<b>1024 X 768</b>	<b>720p</b>
<b>1280 X 1024</b>	<b>1080i / 1080p</b> <b>(1920X1080)</b>
<b>VGA</b> 	 <b>HDMI</b>

## Comparison with Samsung SHR-8 series

Features/Functions	KSR916	SHR-8xxx
POS	O	O
RAID	O (RAID 1)	X
Recording	NTSC : 480 fps@704x480 PAL : 400 fps@704x576	NTSC : 480 fps@704x480 PAL : 400 fps@704x576
HDMI Output	O	O
Motion Zone Multi Layer	2 Layer	1 Layer
External storage interface	O (SATA-II, 2ports)	O (SATA-II, 2ports)
Playback speed	Forward : 1x, 2x, 4x, 8x, 16x, 32x, 64x, 1/8x, 1/4x, 1/2x Backward : 1x, 2x, 4x, 8x, 16x, 32x, 64x, 1/8x, 1/4x, 1/2x	Forward : 1x, 2x, 4x, 8x, 16x, 32x, 64x, 1/8x, 1/4x, 1/2x Backward : 1x, 2x, 4x, 8x, 16x, 32x, 64x, 1/8x, 1/4x, 1/2x

● Specifications

KSR-916			
System	OS	Embedded Linux	
	CPU	MPC8349 533Mhz	
	Codec	MPEG-4 ASP(SOLO), G.723 ADPCM	
	Language	English, Korean, Japanese, Chinese, French, German, Spanish, Italian, Taiwan, Russian	
	Internal HDD	SATA I/F (2Port) : HDD Max 8(SATA II)	
	ODD	DVD-RW	
	Video	IN	CVBS 16ch(1.0Vp-p, NTSC/PAL)
		OUT	VGA, HDMI, CVBS, 16ch SPOT(1 port), programmable Quad SPOT(3 ports), Loop-through
	Audio	IN	16ch line-in
		OUT	1ch line-out
	Alarm IN,OUT	IN:16/1 reset, OUT:4EA(Relay Out)	
	External I/F	Gigabit Ethernet	1 port
		RS-485	1port(full-duplex)
		RS-232	1port
Remote controller			
Mouse (USB)			
USB 2.0		3ports (Front 2 ports, Rear 1 port)	
SATA I/F (2Port), Max 8 HDD I/F(for Backup, Record)			
CD-RW or DVD±RW (for Backup)			
Size	2U size		
Power	250W, ATX 100~240V Free voltage SMPS		
Fan	1EA (High quality, Low noise)		
Display	1ch playback( Local live + local recorded video display in a same view (Mouse operation only))		
	1X1, 2X2, 3X3, 4X4, 1+5, 1+ 8, PIP, Sequence		
	User configurable display setup		
	Digital Zoom		
	Programmable SPOT		
	HardDisk Temperature checking		
	Motion detected zone display		
Recording	Full real-time recording		
	NTSC:480 fps@704x480, 480 fps@704x240, 480 fps@352x240		
	PAL : 400 fps@704x576, 400 fps@704x288, 400 fps@352x288		
	Each channel Scale, GOP, Frame rate, Quantization control support		
	Skipping bad sector		
	Continuous, Motion, alarm (Pre-alarm), event recoding option support		
	Instant Recording (Front key button)		
	Emergency Recording		
	Raid 1 support		
Recording quality & size (7-level Recording quality)			

KSR-916	
Search&Playback	NTSC:120 fps@704x480 PAL:100fps@704x576
	Reverse playback
	Instant playback
	Date and time, motion, Alarm, POS
	Variable speed playback
	Fast Forward/Reverse: (2x, 4x, 8x, 16x, 32x, 64x)
	Slow Forward/Reverse: 1/2x, 1/4x, 1/8x
	Event search
	Each channel Auto Delete setup
	Audio sync.
Detection & Notification	Motion Zone (Min. 2 layer), Sensitivity Setting support
	Alarm In / Alarm Out
	Video Loss
	Event pop-up , E-mail notification
	e-mail notification time zone setup
	CMS notification
	HDD Failure Alert
Network	Max. network performance (240fps@352*240, 120fps@704*240, 60fps@704*480)
	Scale, quality, frame rate setup
	Multi-Codec supported (JPEG, MPEG4)
	10/100/1000Mbps support
	ADSL(PPPoE), DHCP, Static IP support
	TCP/IP, HTTP, SMTP, NTP support
	Minimum 10 clients connection
Port changeable	
Backup	Schedule and Instant backup support
	Various Backup devices (CD-RW/DVD±RW, USB, External Storage SATA, Network)
	Schedule backup by a day of the week KDB, SFX, BMP, JPEG
Auxiliary Function	Multi-language input supported (with CMS)
	Day light saving
	Multi-Level, Multi-User
	Remote controller ID function support
	Two-way Audio (with CMS)
	PTZ touring
	Integrated CMS (PC DVR and Stand-alone DVR)
System Smart check	
POS	





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