



FALCO SK-DVS series network digital video recorder is a new generation excellent digital surveillance product. It uses the Real Time OS and embedded MCU. It has both features of digital video recorder (DVR) and digital video server (DVS). It can work stand alone or be used to build a powerful network, widely used in surveillance fields.



Front Panel



SK-DVS08 Rear Panel



SK-DVS16 Rear Panel

## Model name:

**SK-DVS08** : 8-ch video input and 8-ch video looping output. **No audio input.** Each camera can support **CIF resolution real time or 2CIF resolution not real time** (2CIF 8FPS per channel). 8 SATA interfaces.

**SK-DVS16**: 16-ch video input and 16-ch video looping output. **No audio input.** Each camera can support **CIF resolution real time or 2CIF resolution not real time** (2CIF 8FPS per channel). 8 SATA interfaces.

**Note: The defaulted DVRs are without HDD and CD/DVD writer.**

PAL: 176\*144(QCIF), 352\*288(CIF), 704\*288(2CIF), 528\*384(DCIF), 704\*576(4CIF);  
NTSC: 176\*120(QCIF), 352\*240(CIF), 704\*240(2CIF), 528\*320(DCIF), 704\*480(4CIF).

## **Main features:**

- Real Time OS.
- Embedded MCU.
- High performance DSP hardware compression.

## **Compression function:**

- H.264 video compression algorithm and each channel can be CIF real time (PAL is 25FPS and NTSC is 30FPS) compression or 2CIF not real time compression.
- Support multi-zone motion detection.
- Support mask function to mask sensitive area.
- Support view tampering alarm function for spiteful camera block.
- Support video signal loss alarm function.
- Support position configurable OSD&LOGO.
- Support both variable bit rate and variable frame rate.

## **Storage function:**

- 8 SATA interfaces maximum, can support 8 SATA HDD and each HDD can max support 2000GB.
- 1<sup>st</sup> internal SATA interface can be extended to be E-SATA with additional cable. E-SATA can be used for storage or backup. This function is optional.
- Support HDD sleep mode.
- Support HDD S.M.A.R.T function.
- Support FAT32 file system.
- Support many record mode: all time record, motion detect record, external alarm record, motion & alarm record, motion | alarm record, manual record.
- Support cycle and non-cycle record mode.
- Support USB flash disk, USB hard disk, USB CD-R/W, USB DVD writer for backup.

## **Preview & Playback function:**

- Support one main monitor and VGA.
- Support 1-channel playback.
- Support playback fast, slow, pause, forward, backward, frame by frame, etc.
- Use define preview layout.

## **Network function:**

- Support TCP, UTP, RTP, Multicast, DHCP, etc.
- Support ADSL (PPPoE) dialup function.
- Support narrow band (PSTN) dialup function.
- Remote parameters setup.
- Remote playback, download the recorded files in DVR.
- Remote upgrade DVR firmware.
- Remote control PTZ.
- Support Internet Explore for network preview.
- Remote get alarm information of DVR.

## **Others:**

- Support network voice talk.
- Support PTZ local and remote control.
- Support multi-level user management.
- Support local and remote search log function.
- Automatically recovery from exceptions leads to high reliable.
- Provide SDK and demo source code to shorten the application development time.

## Specification

Model name	SK-DVS08	SK-DVS16
Video standard	H.264	
Preview resolution	4CIF real time (PAL: 704*576, NTSC: 704*480)	
Playback resolution	CIF/QCIF real time, 2CIF not real time	
Video input	8	16
	BNC (1.0Vp-p, 75Ω)	
Video looping output	8	16
Composite video output	1 channel, BNC (1.0Vp-p, 75Ω)	
Aux video output	--	
Audio input	--	
Composite audio output	--	
Aux audio output	--	
Frame rate	PAL: 1/16—25FPS, NTSC: 1/16—30FPS	
Stream type	Video	
Max bit rate	32Kbps—2Mbps, self-define	
Dual stream	--	
Voice talk	--	
Network port	1 RJ45 10M/100M UTP port	
RS-232	1 RJ45 RS-232 port	
PTZ control	1 RS-485 port (T+, T-, R+, R-)	
Keyboard interface	1 port (D+, D-)	1 port (D+, D-)
SATA interface	8	8
E-SATA (optional)	1 <sup>st</sup> internal SATA interface can be extended to be E-SATA	
USB interface	1 USB 1.1 port	
VGA interface	1 VGA interface, support resolution: 800×600/60Hz, 800×600/75Hz, 1024×768/60Hz	
External alarm in	16	16
Relay output	4	4
Power supply	100~240VAC, 6.3A, 50~60Hz	
Power consumption	20 -- 42W (without HDD and CD-R/W)	
Working temperature	-10°C -- +55°C	
Working humidity	10 --90	
Size	19" Standard (450mm*450mm*95mm)	
Weight	8Kg (without HDD and CD-R/W)	