

# CE and FC Certified Professional Series of CCTV Surveillance Products



## Overview

on the basis of the latest technology, AVI-4C-DVR1010 Digital Video Recorder combines the latest in advanced H.264 video encoding and decoding technologies delivering high performance rock-solid reliability and longer recording times.

AVI-4C-DVR1010 Digital Video Recorder can be used as a standalone video surveillance product, as well as to build up a powerful surveillance network making it is perfect for home or small business applications.



1-USB Interface 2-Video out 3-Video in 4-Audio in,Audio out 5-VGA interface 6-LAN 7-RS-485 Interface 8-12VDC Power Supply Interface 9-Power 10-GND

## Features

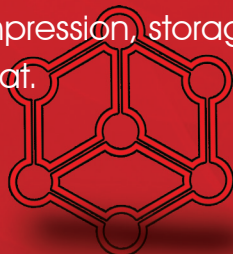
1. User-friendly GUI for easy operation
2. Up to 1024×768 VGA output resolution
3. Simultaneous VGA and CVBS output
4. 4-ch at CIF/QCIF resolution in real-time; or 4-ch at 4CIF resolution
5. Scheduled and event recording parameters configurable per individual camera
6. 4-ch synchronous playback
7. Dual stream
8. Different recording storage period configurable for each channel
9. NTP, SADP, DHCP protocols supported

## AVI-4C-DVR1010

## Functions & Performances

### Compression :

- \* PAL/NTSC adaptive video inputs.
- \* H.264 video compression with high reliability and superior definition.
- \* OggVorbis audio compression standard.
- \* Independent video encoding parameters, including frame rate, resolution, bit rate, video quality, etc.
- \* Scheduled and event recording parameters configurable for per individual camera.
- \* Dual stream.
- \* Encoding for both audio/video composite stream and video stream; audio and video synchronization during composite stream encoding.
- \* Compression, storage and network transmission of 4CIF or CIF video image in JPEG format.





## Local Monitoring :

- \* Up to 1024×768 resolution for VGA output display.
- \* Simultaneous VGA and CVBS output.
- \* 1/4-camera video live view, with the camera order adjustable.
- \* Group switch, manual switch and automatic cycle modes selectable for video live view, with the auto cycle period configurable.
- \* Digital zoom in live view mode.
- \* Shield of assigned channel for live view.
- \* Privacy masking capability.

## Hard Disk Management :

- \* Connection to 1 SATA hard disk supported, with up to 2TB storage capacity.
- \* S.M.A.R.T technology.
- \* HDD standby function.
- \* HDD file system is compatible with Windows. Use pre-allocating hard disk management technology, and no disk fragments.

## Recording :

- \* Cycle and non-cycle recording mode.
- \* Scheduled and event video encoding parameters.
- \* Multiple recording types, including continuous, alarm, motion, motion | alarm and motion & alarm recording, etc.
- \* 8 recording time periods with separate recording types.
- \* Pre-record and post-record time for motion detection, and pre-record time for schedule and manual recording.
- \* Lock and unlock of video files.
- \* HDD property can be set to read-only.
- \* Video data search and playback by channel number, recording type, time etc.
- \* Digital zoom function in playback mode.
- \* Pause, play fast, play slow, skip forward, and skip backward when playback, locating in progress bar by dragging the mouse.
- \* 4-channel synchronous playback.

## Backup :

- \* Record files backed up via USB device.
- \* Bunch backup by file or by time.
- \* Record files edited for backup in playback.
- \* Management and maintenance for backup devices.

## Alarm & Exception :

- \* Various alarm types supported: alarms for video loss, motion detection, video tempering, video signal abnormal, video in/out format unmatched, illegal access, network disconnection, IP conflict, hard disk error and hard disk full.
- \* Auto recovery from exceptions.



## Others :

- \* Control of DVR via mouse, IR remote control (not supplied) and special keyboard.
- \* Three-level user management, each user with individual operating permission for DVR and camera.
- \* Powerful record and search for log of operation, alarm and exceptions.
- \* Import/export of device configuration files.

## Network :

- \* 10/100M adaptive network interface.
- \* TCP/IP protocol suites, PPPoE, DHCP, DNS, DDNS, NTP, SADP protocols, etc
- \* Unicast and multicast supported; TCP and UDP protocols applicable in unicast transmission.
- \* Remote search, playback and download, lock/unlock of video files; support breakpoint resume.
- \* Remote access and configuration of parameters; remote import/export of device configuration parameters.
- \* Remote access of device running status, alarm and system log.
- \* Remote control of DVR via button operation.
- \* Remote lock/unlock of panel buttons and mouse.
- \* Remote formatting of hard disk, upgrade, reboot/shutdown and other system maintenance operations.
- \* Event alarm and exceptions upload to remote management host.
- \* Remote manual recording.
- \* Remote video image capture in JPEG format.
- \* Voice talk and broadcast.
- \* Built-in WEB Server.

## + Development :

- \* Provision of SDK in Windows and Linux operating systems.
- \* Application software source code of Demo.
- \* Support and training service for application system development.



# Specifications

Model	AVI-4C-DVR1010	
Video/Audio input	Video compression	H.264
	Analog Video input	4-ch, BNC connector (1.0 Vp-p, 75 Ω); PAL / NTSC adaptive
	Audio compression	OggVorbis
	Audio input	4-ch, RCA connector (2Vp-p, 1kΩ)
	Voice talk input	1-ch, RCA(2.0Vp-p, 1kΩ)
	VGA output	1-ch, resolution: 1024×768/60Hz
	CVBS output	2-ch, BNC connector (1.0Vp-p, 75Ω); Resolution: PAL: 704×576, NTSC:704×480
	Audio output	1-ch, RCA connector (Linear, 1kΩ)
Video/Audio output	Recording resolution	4CIF/CIF/QCIF
	Frame rate	4CIF: 12fps CIF/QCIF: 25fps(P)/30fps(N)
	Video bit rate	32Kbps~2048Kbps, or user-defined (Max. 3072Kbps)
	Stream type	Video/ Video & Audio
	Audio bit rate	64kbps
	Dual stream	Support
	Synchronous playback	4-ch
Hard disk	Type	1 SATA interface
	Capacity	Up to 2TB capacity for each interface
External interface	Network interface	1, RJ45 10M/100M adaptive Ethernet interface
	USB interface	2, USB 2.0
Others	Power supply	12 VDC
	Consumption	≤ 10 W (without hard disk or DVD-R/W)
	Working temperature	-10 ° ~ +55 ° C
	Working humidity	10% ~ 90%
	Size(mm)	45mm(H)×315mm(W)×230mm(D)
	Weight	≤2.5Kg (without hard disk or DVD-R/W)

## AVI INFOSYS LLC

#1005, Executive suite, 10th Floor  
The Park Place Tower, Trade Centre-1  
Sheikh Zayed Road, PO BOX: 26813  
Dubai, United Arab Emirates  
Tel: +971(4)358 7036, Fax: +971(4)358 7063  
Email: info@avi-infosys.com  
Web: www.avi-infosys.com

TOLL FREE 800 AVI (800-284)



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