

CE and FC Certified Professional Series of CCTV Surveillance Products



Overview

On the basis of the latest technologies, AVI-4C-DVR1005 Digital Video Recorder combines with the advanced H.264 video encoding and decoding standard and maintains high performance rock-solid reliability and longer recording service time.

AVI-4C-DVR1005 Digital Video Recorder can be used as a standalone video surveillance product, as well as to build up a powerful surveillance network which is suitable for home or small-scale 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. 4CIF/2CIF/CIF resolution
5. Normal and event recording parameters configurable per individual camera
6. Partial digital zoom by using mouse when in PTZ control mode
7. 4/8/16-ch synchronous playback
8. Support dual stream
9. Different recording storage period configurable for each channel
10. NTP, SADP, DHCP protocols supported

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.
- * Support 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 video image at 4CIF/2CIF/CIF resolution.
- * Watermark technology.

AVI-4C-DVR1005

Local Monitoring :

- * Up to 1024×768 resolution for VGA output display.
- * Simultaneous VGA and CVBS output.
- * 1/4/9/16-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.
- * Multiple PTZ protocols supported, and settings and callup of presets, patrols and patterns.
- * Video image zoom-in by clicking the mouse and tracing by dragging mouse in PTZ control mode.

Hard Disk Management :

- * Connection to 1 SATA hard disk for AVI-4C-DVR1005 with storage of 2TB
- * 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.
- * Normal and event video encoding parameters.
- * Multiple recording types, including manual, normal, motion detection, 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.
- * 4/8/16-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.

Others :

- * Control of DVR via front panel keys, mouse, IR control 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.
- * 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, 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.
- * RS -485 transparent channel transmission.
- * 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-DVR1005	
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	G.711
	Audio input	1-ch, RCA connector (2 Vp-p, 1 kΩ)
	Voice talk input	1-ch, RCA (2.0 Vp-p, 1 kΩ) (Using AUDIO IN)
	VGA output	1-ch, resolution: 1024 × 768 / 60 Hz
	CVBS output	1-ch, BNC connector (1.0 Vp-p, 75 Ω); Resolution: PAL: 704 × 576, NTSC: 704 × 480
	Audio output	1-ch, RCA connector (Linear, 1 kΩ)
Video/Audio output	Recording resolution	4CIF / 2CIF / CIF
	Frame rate	Main stream: 4CIF / 2CIF@12 fps, CIF@25 fps (P) / 30 fps (N), Sub stream: CIF / QCIF@25 fps (P) / 30 fps (N)
	Video bit rate	32 kbps ~ 2048 kbps, or user-defined (Max. 3072 kbps)
	Stream Type	Video/Video&Audio
	Audio Bit Rate	64kbps
	Synchronize Playback	4-ch
	Dual Stream	Support
Hard disk	Type	1 SATA interface
	Capacity	Up to 2TB capacity for each interface
External interface	Network interface	1, RJ45 10 M / 100 M adaptive Ethernet interface
	Serial interface	1 RS-485 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%
	Dimensions(W x D x H)	315 × 230 × 45 mm
	Weight	≤ 2 kg (without hard disk or DVD-R/W)

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