

DVR4C Digital Video Recorder



Security Systems



- 4-Channel video and audio
- Real-time recording
- Small file sizes for extended recording
- Simultaneous recording and playback
- Easy local archiving via USB
- Remote viewing, playback and control

Never miss a beat in your retail store, gas station, bank, parking lot or warehouse. The DVR4C digital video recorder from Bosch lets you watch every corner, hallway, door or aisle. This high performance, economical system provides continuous video and audio recording from four cameras plus alarm handling, motion detection and local archiving. This means you are never totally alone because the DVR4C works alongside you as your round-the-clock surveillance partner. DVR4C puts the emphasis on uninterrupted real-time recording from each of the four cameras, even while you are playing back earlier recordings. Thanks to advanced encoding techniques with very small file sizes, DVR4C captures weeks and weeks of activity, giving you reliable, continuous surveillance with no downtime.

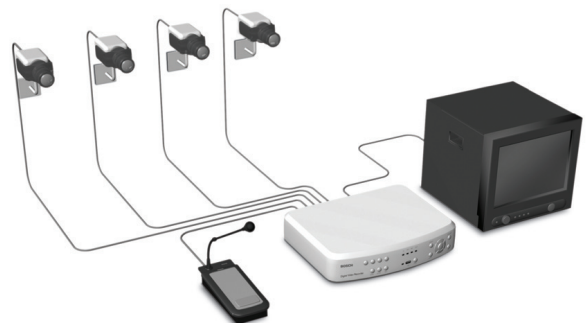
Despite all this power, it's easy to search for specific dates, times, alarms or motion with the built-in intelligent search capability.

Video and audio are archived quickly and conveniently using the built-in USB port to a USB memory stick. And if a recording might be required as legal evidence, it is essential that the recording includes embedded proof of authentication. DVR4C recordings cannot be altered in any way without detection, so the integrity of recordings is guaranteed.

Remote access is available using standard analog or digital telephone lines, over a standard LAN/WAN or Internet connection.

Yet the DVR4C is quick to install and easy to operate, making it ideal for a host of small business applications such as retail stores, banks, gas stations and parking lots.

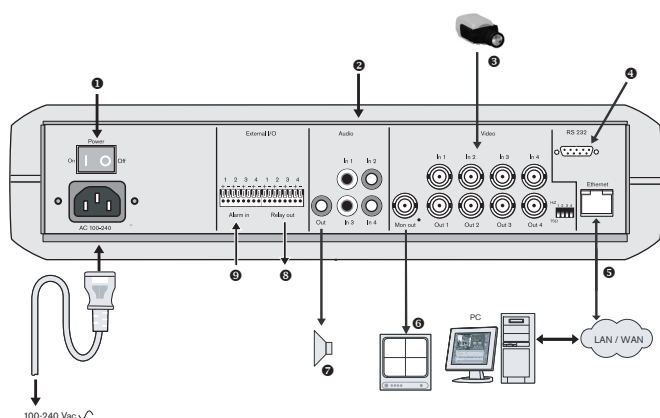
Installation/Configuration Notes



DVR4C with four cameras, microphone and monitor.

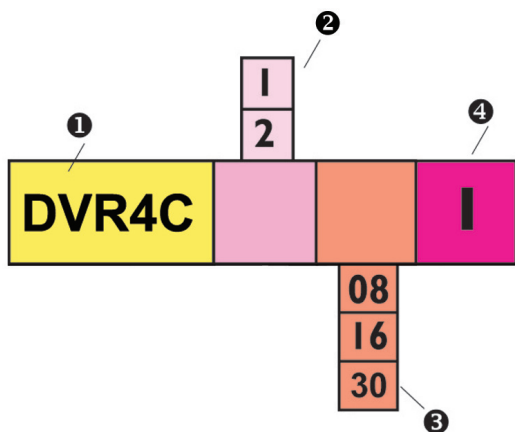
Security you can rely on.

BOSCH



Connections on backside of DVR4C

- | | | | |
|----|-------------------|----|----------------|
| 01 | Power switch | 06 | Monitor output |
| 02 | Audio inputs | 07 | Audio output |
| 03 | Camera inputs | 08 | Relay outputs |
| 04 | RS232 connector | 09 | Alarm inputs |
| 05 | Network connector | | |



DVR4C Typenumber

- | | | | |
|----|-----------------|----|---------------------|
| 01 | Type | 03 | Size per disk in GB |
| 02 | Number of disks | 04 | Revision |

Technical Specifications

Electrical

Rated Voltage and Power

100-240VAC; 0.7-0.3A; 50/60Hz

Video

Video Standard: PAL/NTSC auto-detect
 Live Resolution: 720 x 576 PAL – 720 x 484 NTSC
 Digital Zoom: 2 times
 Compression: MPEG4-based
 Inputs: Composite video 0.5V-2Vpp, 75 Ohm
 Output: 1Vpp, 75 Ohm

Audio

Inputs: Mono RCA, 1.0Vpp
 Output: Mono RCA, 1.0Vpp

Alarm Handling

Inputs: 4 Inputs configurable NO/NC, max input voltage 40VDC.
 Outputs: 4 Relay outputs, configurable NO/NC, max. rated 30VAC-40VDC-0,5A

Control

RS232: Output signals according EIA/TIA-232-F, max. input voltage ±25V

Connectors

Video inputs: 4 Looping BNC, manual termination
 Monitor: 1 BNC
 Audio inputs: 4 Cinch
 Audio output: 1 Cinch
 Ethernet: RJ45S modular jack 8 pins shielded: 10/100 Base-T according IEEE802.3
 RS232: DB9 Male
 USB: Type A Connector
 Alarm I/O: Screw terminal

Storage

Size: 80 – 160 – 320 – 600 GB

Bitrates (per camera at 25/30 IPS)

Low 250 kbps
 Standard 500 kbps
 Medium 750 kbps
 High 1 Mbps
 Superior 1.5 Mbps

Video recording

Record Rate (IPS):
 NTSC: 120 total, configurable: 30, 15, 7.5, 4, 2, 1, 0
 PAL: 100 total, configurable: 25, 12.5, 6, 3, 1.5, 0.75, 0

Recording resolution 352 x 288 PAL – 352 x 240 NTSC

Display Modes

Monitor: Full, full sequence, quad, alarm call-up

Recording Modes Linear, Continuous

Audio recording

Compression: ADPCM
 Quality: 32kbps, 8kHz sampling
 Audio/Video Best effort, typically < 0.5s offset
 Synchronisation:

Electrical**USB**

USB Version:	1.1
Supported Media:	USB Memory Stick

Mechanical

Dimensions:	369x270x83 mm (14.5x10.6x3.3 inch)	
Weight Approx.	with 1HDD	4.5 kg (9.9 lbs)
	with 2HDDs	5 kg (11 lbs)

Environmental**Temperature**

- Operating	+5°C to +40°C (+41°F to +113°F)
- Storage	-25°C to +70°C (-13°F to +158°F)

Humidity

- Operating	<93% non-condensing
- Storage	<95% non-condensing

Electromagnetic compatability**EMC requirements**

- USA	FCC Part 15, Class B
- EU	EMC Directive 89/336/EEC
	Immunity: EN50130-4
	Emission: EN55022 Class B
	Harmonics: EN61000-3-2
	Voltage fluctuations: EN61000-3-3

Safety

- USA	UL60950 3rd edition
- EU	CE, EN60950 2000 3rd edition
- Can.	CAN/CSA-E60065-00

PC requirements - remote software

Operating System	Windows 2000 Professional, XP
Processor	PIII 600MHz (PIV 2GHz Recommended)
RAM memory	128MB (256MB Recommended)
Free disk space	10MB
Video system	16MB Memory, 1024x768 Resolution (64MB Memory Recommended)
Connection	10/100 Base-T network interface

Ordering Information

DVR4C Digital Video Recorder	DVR4C
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Bosch Security Systems

For more information please visit
www.boschsecuritysystems.com

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