

Video Recorder 630/650 Series

www.boschsecurity.com



BOSCH
Invented for life



Advantage Line

The Bosch Video Recorder 630/650 Series is an 8/16 channel digital recorder that uses the latest H.264 compression technology. With the supplied PC software and built-in web server, the 630/650 Series is a fully integrated, stand-alone video management solution that's ready to go, straight out of the box.

Available with a variety of storage capacities, the 630/650 Series features a highly reliable embedded design that minimizes maintenance and reduces operational costs. The recorder is also available with a built-in DVD writer.

Features

- ▶ 8/16-Channel real-time recording with CIF resolution
- ▶ Flexible viewing with two monitor outputs
- ▶ Remote viewing, playback, control, and configuration
- ▶ Easy Pan/Tilt/Zoom camera control
- ▶ DVR viewer iPhone App

2 | Video Recorder 630/650 Series

Technical specifications

Electrical	
Rated Voltage and Power	
External power adapter AC input	110–240 VAC; 50/60 Hz; 1.8 A
External power adapter DC output	12 VDC; 5 A
DVR Power input	12 VDC; 3.5 A; 145 BTU/h
Video Inputs	
Inputs	Composite video 1 Vpp, 75 ohm, automatic termination; PAL / NTSC auto-detect
AGC	Automatic gain adjustment for each video input
Video outputs	
Outputs	Monitor A: VGA RGB Monitor B: VGA RGB
Live Resolution (Mon.A)	800x600 (4:3), 1024x768 (4:3) 1280x1024 (5:4) 1366x768 (16:9) 1440x900 (16:10)
Digital Zoom	2 times
Streaming video	H.264 compression
Audio	
Inputs	Mono RCA, 1.0 Vpp
Output	Mono RCA, 1.0 Vpp
Compression	ADPCM
Sample rate	16 kHz per channel
Bit rate	8-bit
Alarm Handling	
Inputs	8 or 16 inputs configurable NO/NC, max. input voltage 15 VDC
Outputs	4 Relay outputs, configurable NO/NC, max. rated 30 VAC, 40 VDC 0.5 A continuous or 10 VA
Control	
RS485	Output signals according to RS485, max. signal voltage -8 to +12 V
RS485 Support	Bosch domes, and Pelco P and D
Connectors	
Video Inputs	8 or 16 looping BNC, auto termination
Monitor	2 VGA D-SUB
Alarm connectors	Screw terminal inputs, cable diameter AWG26-16 (0.13-1.5 mm)
Audio Inputs	4 RCA (CINCH)
Audio Output	2 RCA (CINCH)
Ethernet	RJ45, 10/100 BaseT according to IEEE802.3
RS485	Screw terminal output, cable diameter AWG28-16 (0.08-1.5 mm)
USB 2.0	One front and one rear USB connector for mouse or USB memory device
Storage	
Hard Disks	Supports up to 2 SATA hard drives maximum 2TB each (Third party hard disks are supported from firmware version 2.0.6 onwards. A list of tested disks is available in the instruction manual.)*
<small>*Bosch cannot be held liable for any loss or damages or system malfunction resulting from the use of non-Bosch drives in DVR recorders.</small>	
Video recording	
Record Rate (IPS)	
NTSC	Max. 30 IPS per channel, configurable: 30, 15, 7.5, 5, 3, 1
PAL	Max. 25 IPS per channel, configurable: 25, 12.5, 6.25, 5, 2.5, 1
Recording Quality	Best, High, Normal, Low, Lowest
Average Recording Capacity (16 channels, 500 GB)	

CIF, Normal, 25/30 IPS	PAL: 138 hours, NTSC: 170 hours
CIF, Normal, 6.25/7.5 IPS	PAL: 350 hours, NTSC: 425 hours
2CIF, Normal, 12.5/15 IPS	PAL: 115 hours, NTSC: 144 hours
4CIF, Normal, 6.25/7.5 IPS	PAL: 93 hours, NTSC: 115 hours
Maximum recording rates per channel	
Local 16 channels	
4CIF	PAL: 6 IPS, NTSC: 7.5 IPS
2CIF	PAL: 12.5 IPS, NTSC: 15 IPS
CIF	PAL: 25 IPS, NTSC: 30 IPS
Local 8 channels	
4CIF	PAL: 12.5 IPS, NTSC: 15 IPS
2CIF	PAL: 25 IPS, NTSC: 30 IPS
CIF	PAL: 25 IPS, NTSC: 30 IPS
Local 4 channels	
4CIF	PAL: 25 IPS, NTSC: 30 IPS
2CIF	PAL: 25 IPS, NTSC: 30 IPS
CIF	PAL: 25 IPS, NTSC: 30 IPS
Remote (network) 16 channels	
CIF	PAL: 6.75 IPS, NTSC: 7.5 IPS
Remote (network) 8 channels	
CIF	PAL: 12.5 IPS, NTSC: 15 IPS
Display Modes	
Monitor A	Full, quad, multi-screen (live and playback), full sequence, alarm call-up (live)
Monitor B	Full, quad, multi-screen, full sequence, alarm call-up (live)
Recording Modes	
Normal partition	Continuous recording (with or without overwriting)
Event partition	Input and motion recording (with or without overwriting)
Mechanical	
Dimensions (WxDxH)	355 x 362 x 78 mm (13.9 x 14.2 x 3.1 in) excluding cabling
Weight	4.3 kg (9.46 lb) approx.
Environmental	
Temperature	
- Operating	+0°C to +40°C (+32°F to +104°F)
- Storage	-40°C to +70°C (-40°F to +158°F)
Humidity	
- Operating	<93% non-condensing
- Storage	<95% non-condensing
Certifications and approvals	
Region	Certification
Europe	CE
USA	FCC UL
Canada	CSA
Standards	
	FCC Part 15, Class B
	EMC Directive 2004/108/EC
	Immunity: EN50130-4
	Emission: EN55022 Class B
	Harmonics: EN61000-3-2
	Voltage fluctuations: EN61000-3-3
	UL60950-1
	LV Directive 2006/95/EC, EN60950-1
	CAN/CSA-C22.2 no. 60950-1
	C-Tick

Ordering information	
DVR-630-08A 630 Series DVR, 8ch, base unit	DVR-630-08A
DVR-630-16A 630 Series DVR, 16ch, base unit	DVR-630-16A
DVR-650-08A 650 Series DVR, 8ch, DVD, base unit	DVR-650-08A
DVR-650-16A 650 Series DVR, 16ch, DVD, base unit	DVR-650-16A
DVR-630-08A050 630 Series DVR, 8ch, 500GB	DVR-630-08A050
DVR-630-16A050 630 Series DVR, 16ch, 500GB	DVR-630-16A050
DVR-650-08A050 650 Series DVR, 8ch, DVD, 500GB	DVR-650-08A050
DVR-650-16A050 650 Series DVR, 16ch, DVD, 500GB	DVR-650-16A050
DVR-630-08A100 630 Series DVR, 8ch, 1TB	DVR-630-08A100
DVR-630-16A100 630 Series DVR, 16ch, 1TB	DVR-630-16A100
DVR-650-08A100 650 Series DVR, 8ch, DVD, 1TB	DVR-650-08A100
DVR-650-16A100 650 Series DVR, 16ch, DVD, 1TB	DVR-650-16A100
DVR-630-08A200 630 Series DVR, 8ch, 2TB	DVR-630-08A200
DVR-630-16A200 630 Series DVR, 16ch, 2TB	DVR-630-16A200
DVR-650-08A200 650 Series DVR, 8ch, DVD, 2TB	DVR-650-08A200
DVR-650-16A200 650 Series DVR, 16ch, DVD, 2TB	DVR-650-16A200
KBD-Digital Keyboard	KBD-DIGITAL
Accessories	
DVR-XS050-A Storage Expansion Kit	DVR-XS050-A
DVR-XS100-A Storage Expansion Kit	DVR-XS100-A
DVR-XS200-A Storage Expansion Kit	DVR-XS200-A

Represented by:**Americas:**

Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:

Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: +31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:

Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:

Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road
North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:

Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
al.securitysystems@bosch.com
www.boschsecurity.com