

# Video Recorder 600 Series

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Invented for life



The Bosch Video Recorder 600 Series is an 8/16 channel digital recorder that uses the latest H.264 compression technology. With the supplied Control Center software and built-in web server, the 600 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 600 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
- ▶ Reduced storage and bandwidth requirements
- ▶ Flexible viewing with two monitor outputs
- ▶ Remote viewing, playback, control, and configuration
- ▶ Live display for mobile devices
- ▶ Faster information retrieval

## Technical Specifications

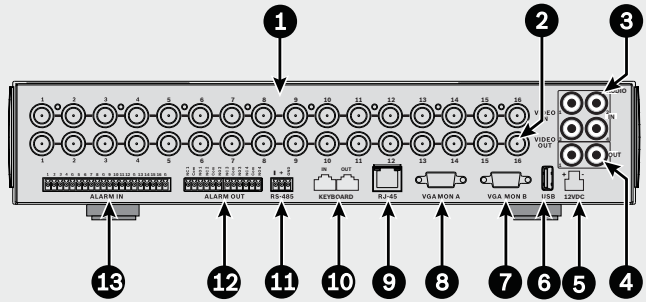
Electrical	
Rated Voltage and Power	
External power adapter AC input	110–240 VAC; 50/60 Hz; 1.8 A
External power adapter DC output	12 VDC; 5 A
DVR Power input	12 VDC; 3.5 A; 145 BTU/h
Video Inputs	
Inputs	Composite video 1 Vpp, 75 ohm, automatic termination; PAL/NTSC auto-detect
AGC	Automatic gain adjustment for each video input
Video outputs	
Outputs	Monitor A: VGA RGB Monitor B: VGA RGB
Live Resolution (SVGA)	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	2 SATA hard drive maximum 2TB each
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

Video recording	
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
Electromagnetic compatibility	
EMC requirements	
- USA	FCC Part 15, Class B
- EU	EMC Directive 2004/108/EC
	Immunity: EN50130-4
	Emission: EN55022 Class B
	Harmonics: EN61000-3-2
	Voltage fluctuations: EN61000-3-3
Safety	
- USA	UL60950-1
- EU	LV Directive 2006/95/EC, EN60950-1
- Can.	CAN/CSA-C22.2 no. 60950-1
- Australia	C-Tick

**Certifications and Approvals**

Region	Certification
Europe	CE
USA	UL FCC
Canada	CSA

**Installation/Configuration Notes**



Connections on back of DVR 600 (16-channel version)

1.	Camera inputs	8.	Monitor A VGA output
2.	Camera outputs	9.	RJ45 network connector
3.	Audio inputs	10.	RJ11 connectors for IntuiKey keyboard
4.	Audio outputs	11.	RS485 connector for Dome control
5.	Power connector	12.	Alarm outputs
6.	USB connector	13.	Alarm inputs
7.	Monitor B VGA output		

**Recommended PC requirements for Web support**

Operating system	Windows XP, Windows Vista or Windows 7
Web browser	Internet Explorer 7 or 8
Processor	Intel Core Duo 2.0 GHz or comparable
RAM memory	2048 MB
Free disk space	10 MB
Graphics card	NVIDIA GeForce 8600 or better
Video memory	256 MB
Network interface	10/100-BaseT

**Ordering Information**

DVR-630-08A050 630 Series DVR	DVR-630-08A050
DVR-630-16A050 630 Series DVR	DVR-630-16A050
DVR-650-08A050 650 Series DVR	DVR-650-08A050
DVR-650-16A050 650 Series DVR	DVR-650-16A050
DVR-630-08A100 630 Series DVR	DVR-630-08A100
DVR-630-16A100 630 Series DVR	DVR-630-16A100
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DVR-630-08A200 630 Series DVR	DVR-630-08A200
DVR-630-16A200 630 Series DVR	DVR-630-16A200
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DVR-650-16A200 650 Series DVR	DVR-650-16A200

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