

DÉSA⁸

Digital Video Recorders



Security Systems



Formerly known
as Philips CSI

- Windows[®] 2000-based Digital Recorder
- Average File Size 3–6 KB
- 120 IPS Frame Rate
- Remote Multiserver Access
- Limited Remote Administration
- Local & Remote PTZ Control
- Local & Remote Intelligent Search Engine
- Watermarking
- E-mail Notification
- Event Logging by User
- Web Browser Interface

The Bosch DÉSA⁸ is a Windows 2000-based digital recorder that produces an amazing 120 images per second, with average file sizes of 3–6 KB per image. This unit has eight video inputs with independently configurable frame rate settings. The DÉSA⁸ features four alarm inputs and four auxiliary outputs.

When an alarm is triggered, notification (via e-mail or remote) is sent to an administrator, providing remote event notification. On activation of alarms, the DÉSA⁸ may be configured to execute pre-positions from multiple AutoDome[®] cameras. The DÉSA⁸ has pre-alarm recording capability, allowing video capture *prior* to an alarm event. There are also five configurable motion detection zones per camera.

Both live and recorded video are accessible via the included remote viewing software. The remote software also provides PTZ control and limited system configuration, supporting up to 16 DÉSA⁸ units. Video is easily offloaded and distributed as proprietary or AVI files using the standard CD-RW.

Local PTZ control is accomplished directly via the user interface, providing complete control over the Bosch AutoDome Series¹. Other manufacturers' units are also supported².

Secure operation is achieved via fully definable users, assigned to grant or deny access to system administration functions, recorded video access, PTZ control, and live view cameras. The advanced scheduling feature of DÉSA⁸ allows customization of recording parameters based on time, day of the week, motion, and alarm input. The DÉSA⁸ is easily configured to record based on your unique needs!

The E-Map feature provides the capability to load a bitmap image of your facility, then select and drop camera and alarm icons to create an overview of your installation. Simply click on the E-Map's camera icons to view video from the selected camera.

Single channel audio recording is available by connecting an audio source to the unit. The DÉSA⁸ also supports two way audio, for listening in and talking to the site using the remote viewing software.

NOTES: ¹RS-232 to Biphase converter required.

²Additional hardware may be required.

Specifications			
Model	DR081xx		
Composite Output	Full Screen/Seq		
Display (Max) IPS	120		
Video Input-Cameras	1 to 8		
Digital Audio Recording	1-channel		
External Alarm	4/4 (Input/Auxiliary Output)		
SVGA Display	1024 x 768		
Standard HDD	120, 250, 500 GB		
Memory	512 MB		
Recording Speed	320 x 240 / 120 IPS		
	640 x 480 / 120 IPS (maximum)		
Average Record Days	Disk format (GB) / Recording Speed (IPS)		
DR081xx	Total	Continuous	15% Motion
	IPS	Recording	Recording
120 GB	8	60 days	360 days
120 GB	120	4 days	24 days
250 GB	8	120 days	720 days
250 GB	120	8 days	48 days
500 GB	8	240 days	1440 days
500 GB	120	16 days	96 days

NOTE: The above record calculations are examples based on continuous or motion at 15% recording, with 320 x 240 resolution, and an average of 3 KB file size at normal quality setting.

Electrical	
Power Supply	Pentium-4 Power Supply
	Selectable 115-230 VAC 60-50 Hz
	380 W (400 W Max)
	It is highly recommended to use a UPS (Uninterrupted Power Supply)
Video	
Display Resolution	160 x 120, 320 x 240, 640 x 480 NTSC
Input	1 Vp-p composite video signal, 75 Ω
Composite Output	1 Vp-p composite video signal, 75 Ω
SVGA	One (1) DB 15
Audio	1-channel (line in, mic in, line out)
Connectors	
Video Input	BNC
Composite Video Output	RCA
Audio	1/8-inch mini phone jack
10/100 MB Ethernet	RJ-45
Alarms	
Alarm Inputs	Four (4) programmable N/O, N/C dry contacts
Alarm Outputs ¹	Four (4) programmable output relays
Image Compression	Proprietary temporal compression (Based on enhanced MJPEG and H.263 compression technology)
Image Integrity	Proprietary Codec, time/date stamp, watermark authentication
VGA Card	AGP 64 MB RAM
Resolution/Average File Size²	160 x 120/1.5 KB; 320 x 240/3 KB; 640 x 480/6 KB
PTZ Control	One (1) RS-422, one (1) RS-232 ³ output supplied
NOTES:	
	¹ Specifications on back page
	² Average file size based on temporal refresh
	³ LTC 8786/60 Series Data Converter is required for RS-232 conversion to biphas
	NOTE: Biphas and Pelco [®] protocols have been tested and verified. All other protocols have yet to be tested.

Remote PC Requirements

Processor Pentium[®] III, Pentium 4, or AMD,
1 GHz minimum

Memory 256 MB minimum, 512 MB recommended for
Drag and Drop feature

Video Dedicated AGP Graphics Adapter,
32 MB RAM minimum (64 MB recommended),
32 bit color or better

CAUTION: Recommended graphics boards are ATI Radeon or nVidia GeForce. The software does not support video cards based on SiS or Riva TnT2 chip sets.

The system does not support onboard, integrated graphics adapter with shared memory.

Monitor SVGA or XVGA set to 1024 x 768 resolution
at 60 Hz refresh rate

Hard Disk 500 MB free disk space

Operating System Windows NT 4.0 SP6,
Windows 2000 Pro SP3, or Windows XP Pro

Browser Internet Explorer 5.5 or greater

NOTE: When installing the Remote Client software on Windows NT 4.0, it is important to upgrade Windows Scripting to version 5.2 or greater. Versions below 5.2 cause installation issues.

Mechanical

Tower Dimensions 208.3 x 467.4 x 435.6 mm
(8.2 W x 18.4 D x 17.2 H in)

Tower Weight 11.3 - 20.4 Kg (25 - 45 lb) based on model

Environmental

Temperature Operating: 5° to 40° C (41° to 105° F)
Storage: 5° to 40° C (41° to 105° F)

Relative Humidity 0 to 90%, noncondensing

Product Regulatory Compliance

Electromagnetic Compatibility (EMC)

Complies with FCC Part 15 and ICES-003

Product Safety Complies with UL and CSA Standards

Warranty

3 years

Bosch Accessories (Optional)

LTC 8786/60 – RS-232 to biphase converter

S1363-BNC-RCA Converter

Approved Accessories (Third Party Manufacturers)

StarTech.com (Starview) KVMs

Any UPS (Uninterruptable Power Supply)

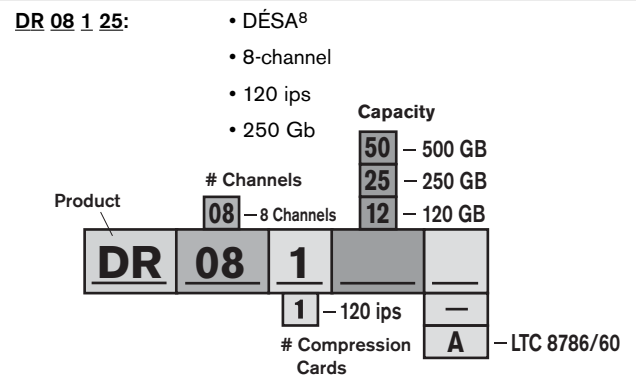
Norton AntiVirus™

McAfee VirusScan

Ordering Information

Use the chart below to create your part number, based on this

example:



DÉSA⁸ Part Numbering Structure

Windows[®] and Windows NT[®], are registered trademarks of Microsoft Corporation.
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Norton Antivirus™ is a trademark of Symantec Corporation.
McAfee is a business unit of Network Associates, Inc.

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