

# DÉSA<sup>8</sup>

## Digital Video Recorders



### Security Systems



Formerly known  
as Philips CSI

- Windows<sup>®</sup> 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 DÉSA<sup>8</sup> 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 DÉSA<sup>8</sup> 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 DÉSA<sup>8</sup> may be configured to execute pre-positions from multiple AutoDome<sup>®</sup> cameras. The DÉSA<sup>8</sup> 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 DÉSA<sup>8</sup> 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 Series<sup>1</sup>. Other manufacturers' units are also supported<sup>2</sup>.

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 DÉSA<sup>8</sup> allows customization of recording parameters based on time, day of the week, motion, and alarm input. The DÉSA<sup>8</sup> 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 DÉSA<sup>8</sup> also supports two way audio, for listening in and talking to the site using the remote viewing software.

NOTES: <sup>1</sup>RS-232 to Biphase converter required.

<sup>2</sup>Additional hardware may be required.

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**Specifications**

<b>Model</b>	<b>DR081xx</b>
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
<b>Recording Speed</b>	320 x 240 / 120 IPS
	640 x 480 / 120 IPS (maximum)

**Average Record Days** Disk format (GB) / Recording Speed (IPS)

<b>DR081xx</b>	<b>Total IPS</b>	<b>Continuous Recording</b>	<b>15% Motion Recording</b>
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**

<b>Power Supply</b>	Pentium-4 Power Supply
	Selectable 115-230 VAC 60-50 Hz
	380 W (400 W Max)
	It is highly recommended to us 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

<b>SVGA</b>	One (1) DB 15
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<b>Audio</b>	1-channel (line in, mic in, line out)
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**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 <sup>1</sup>	Four (4) programmable output relays

<b>Image Compression</b>	Proprietary temporal compression (Based on enhanced MJPEG and H.263 compression technology)
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<b>Image Integrity</b>	Proprietary Codec, time/date stamp, watermark authentication
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<b>VGA Card</b>	AGP 64 MB RAM
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**Resolution/Average File Size<sup>2</sup>**

	160 x 120/1.5 KB; 320 x 240/3 KB;
	640 x 480/6 KB

<b>PTZ Control</b>	One (1) RS-422, one (1) RS-232 <sup>3</sup> output supplied
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**NOTES:**

<sup>1</sup>Specifications on back page

<sup>2</sup>Average file size based on temporal refresh

<sup>3</sup>LTC 8786/60 Series Data Converter is required for RS-232 conversion to biphas

**NOTE:** Biphas and Pelco<sup>®</sup> protocols have been tested and verified. All other protocols have yet to be tested.

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**Remote PC Requirements**

**Processor** Pentium<sup>®</sup> 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)

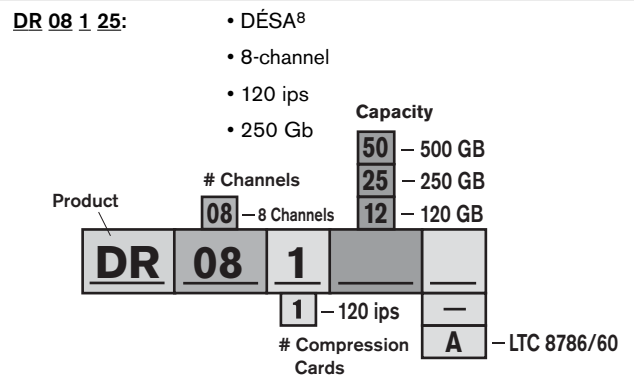
Norton AntiVirus™

McAfee VirusScan

**Ordering Information**

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

example:



DÉSA<sup>8</sup> Part Numbering Structure

Windows<sup>®</sup> and Windows NT<sup>®</sup>, are registered trademarks of Microsoft Corporation.  
Pentium<sup>®</sup> is a registered trademark of Intel Corporation.  
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