

DÉSA™

Digital Video Recorders

- Windows® 2000-based Digital Recorder
- Average File Size 3–6 KB
- 120–240 IPS Frame Rate
- Remote Multiserver Access
- Remote Administrator Configuration
- Local & Remote PTZ Control
- Intelligent Search Engine
- Video Authentication
- Remote Event Notification
- Bandwidth Throttle



The Philips DÉSA is a Windows® 2000-based digital recorder that produces an amazing 120–240 images per second, with average file sizes of 3–6 KB per image. This unit has 16 video inputs with independently configurable frame rate settings. The DÉSA features 16 alarm inputs and 16 auxiliary outputs.

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

Both live and recorded video are accessible via the included remote viewing software. The remote software also provides system configuration and PTZ control, supporting up to 16 DÉSA units. Video is easily offloaded and distributed as BMP, JPEG or AVI files using the standard CDRW.

Local PTZ control is accomplished directly via the user interface,

providing complete control over Philips' AutoDome Series¹. Other manufacturers' units are also supported.

Secure operation is achieved via 6 user levels, assigned to grant or deny access to system administration functions, live and recorded video access, and PTZ control. The advanced scheduling feature of DÉSA allows customization of recording parameters based on time, day of the week, motion, and alarm input. The DÉSA 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 drag 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 plugging a microphone into the unit. The DÉSA also supports two-way audio, for listening in and talking to the site using the remote viewing software.

¹**Note:** RS-232 to Bi-phase converter required.

SPECIFICATIONS

	MODEL	
	DR161XX	DR162XX
Composite Output	Full Screen	Full Screen
Display (Max) IPS	120	240
Video Input-Cameras	1 to 16	1 to 16
Max Record FPS	120 (1-4 cam), 80 (5-16 cam)	240 (1-8 cam), 160 (9-16 cam)
Digital Audio Recording	1-channel	1-channel
External Alarm Input/ Auxiliary Output	16/16	16/16
SVGA Display	1024 x 768	1024 x 768
Standard HDD	120, 240, 360, 480 GB	120, 240, 360, 480, 600 GB
Memory	256 MB	512 MB

Video:

Display Memory: 160 x 120, 320 x 240, 640 x 480 NTSC.
 Input: 1 Vp-p composite video signal, 75 Ω.
 Output: 1 Vp-p composite video signal, 75 Ω.

SVGA: One (1) DB 15.

Audio: 1-channel (line in or mic in, line out).

Connectors:

Video Input: BNC.
 Video Output: RCA (BNC converter supplied).
 Audio: 1/8-inch mini phone jack.
 SCSI-2: HD50 (interface to disk array).
 RJ-45: 10/100 MB base-T ethernet.

Alarms:

Alarm Inputs: Sixteen (16) programmable N/O, N/C dry contacts.
 Alarm Outputs: Sixteen (16) programmable output relays.

Removable HDD: Standard.

Image Compression: Proprietary compression.

(Based on enhanced MJPEG and H.263 compression technology.)

Image Integrity: Proprietary Codec, time/date stamp, watermark authentication.

VGA Card: AGP 32 MB RAM.

Resolution/Average File Size: 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* output supplied.

* **Note:** LTC 8780 Series data converter is required for RS-232 conversion to bi-phase.

Remote PC Requirements:

CPU: 433 MHz minimum.
 Memory: 64 MB minimum.
 VGA Card: Must support resolution of 1024 x 768
 24 or 32bit color.
 Video Memory: 32 MB optimum.
 O/S: Windows® 98 SE/Windows® ME/Windows® 2000/
 Windows NT® SR-6 or over.

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Electrical

Max Recording Speed:

	320 x 240 1-4 cameras	320 x 240 5-16 cameras	640 x 240 1-4 cameras	640 x 240 5-16 cameras
DR161XX:	120 ips	80 ips	40 ips	80 ips
DR162XX:	240 ips	160 ips	40 ips	80 ips

Average Record Days:

	DISK FORMAT (GB) / RECORD SPEED (IPS)					
	GB IPS	120 16	240 30	360 60	480 80	600 120
DR161XX:						
Continuous Recording	30 days	30 days	23 days	23 days	—	
15% Motion Recording	200 days	200 days	153 days	153 days	—	
DR162XX:						
Continuous Recording	30 days	30 days	23 days	23 days	20 days	
15% Motion Recording	200 days	200 days	153 days	153 days	133 days	

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

Mechanical

Dimensions: 17 W x 20 D x 7 H in.

Weight: 35-60 lb based on model.

Environmental

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

Relative Humidity: 0 to 90%, noncondensing.

Electromagnetic Compatibility

EMC Requirements: Complies with FCC (Class A), ICES-003, and CE regulations.

Safety: Complies with UL, CSA, EN.

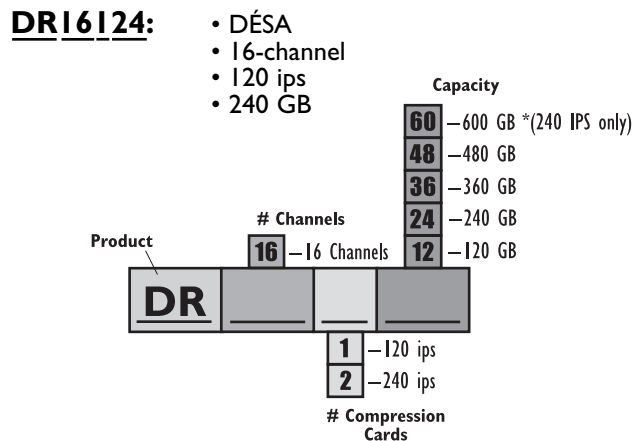
Warranty: 3 years.

Accessories (Optional)

LTC 8780/60 – RS-232 to bi-phase converter.
 DVAD – LP Disk Array Storage.
 DVAS – RAID Disk Array Storage.

Ordering Information

Use the below chart to create your part number based on the following example:



DÉSA Part Numbering Structure



PHILIPS

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