

DLS 24 S1-edition



DLS 24 S1-edition
High resolution digital security recording system with up to 24 camera inputs for professional use

The DLS 24 S1-edition offers the same basic technology as the DMS 180 III.

The DLS 24 S1-edition is suitable for smaller and more complex CCTV monitoring solutions with up to 24 cameras where a high quality recording system is to provide a stand-alone solution for the monitoring, operating and evaluation control centre.

The device can of course also be integrated into a network, and be operated and controlled remotely from one or more (PView-Station) workstations.

External data sources can be integrated and/or a higher level management system connected.

In line with German UVV-Kassen certification, the device has multi-track functionality so that it can meet individual requirements for functionality and recording speed.

The SEDOR system ensures additional protection through automatic camera sabotage recognition (de-focusing, redirecting, masking and spraying).

Extensive monitoring features (dynamic fan control, external and internal temperature monitoring, component diagnostics, voltage monitoring, etc.) ensure high operational stability and durability.



Linux security operating system - because you can't compromise with security
Reliability is fundamental to security. And in a digital environment reliability is based not only on the quality and suitability of the hardware and software, but crucially, on the stability of the operating system. This is the simple but compelling reason why all Dallmeier recorders use Linux. - Because Linux's well-known inherent stability and outstanding reliability are already proven in other sensitive areas such as medical technology and space travel it has to be the first choice for security too.

TECHNICAL DETAILS

- 24 camera inputs (12 activated)
- 120 GB IDE hard disk (please enquire for current size)
- MCD 25 multi control display (Real time triplex functionality: simultaneous live picture, playback and PRemote)
- Built-in motion detection
- Floppy disk drive
- Integral LCD display for status and information
- Real time recording
- Multi-track recording
- High speed recording: up to 50 fields/s in multi-track operation

FEATURES

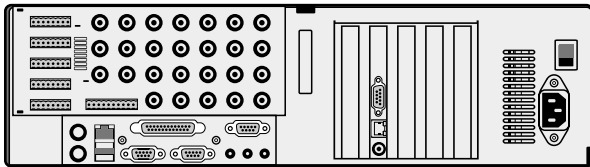
- SEDOR technology: built-in security for automatic sabotage recognition
- Integral ProcessViewer: Picture display and export software with authentication test -> Kalagate approval
- SmartFinder
- Extensive self-diagnostics and monitoring functions
- Application-specific software for industry, banks and filling stations
- Linux security operating system
- Multi-Processing
- Operating through VGA or standard CVBS monitor
- Networkable (Ethernet, ISDN)
- Simple installation/maintenance thanks to removable BNC- connection panel, accessible fan cover with exchangeable filter
- Camera control through user interface (e.g. BBV telemetry/control units)

CERTIFICATIONS

- Certified by UVV-Kassen and Kalagate
- Network approval for IZB, DVS and FIDUCIA

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Back Panel



SPECIFICATIONS

Picture memory	Resolution	720 (H) x 288/576 (V)
	Video standard	CCIR/PAL and EIA/NTSC
	Compression	Wavelet, 5 stages, freely configurable for each track
	Picture memory	Half or full picture mode
Multiplexer	Camera inputs	24 CVBS/1 V _{pp} - 75 Ohm - BNC, with loop-through – electronic 75 Ohm-termination via user interface
	Monitor outputs	2 CVBS/1 V _{pp} - 75 Ohm - BNC, configurable separately

For analysing and storing video from 24 cameras. The standard version has 12 camera inputs activated. Software activation releases extra channels in sets of 6.

Memory format	Ring memory 3000 3 freely configurable long-play tracks		
Recording	Controlled through contacts, motion detection, permanent, calendar function; configurable for each camera		
Recording speed		PAL	NTSC
		Top quality with 64 KB/field or 128 KB/frame Standard quality with 30 KB/field (better than VHS, approved by UVV-Kassen)	
Multi-channel operation	1 camera	50 fields/s	60 fields/s
	4 cameras	25 fields/s per camera	30 fields/s per camera
		50 fields/s per camera	60 fields/s per camera
	> 4 cameras unsynchronized 50 fields/s total No loss of performance with motion detection		
Playback	Speed	PAL: 50 fields/s, single frames, fast search NTSC: 60 fields/s, single frames, fast search	
	Password protection	4-level individual password entry protects against unauthorised access	
Logbook function	Logfile	Documentation of all messages, password requests and other security-relevant parameters	
Search criteria	Date, time, camera number, event, fast research, SmartFinder ("Picture search" for objects in the picture), individual adaptations available on request, (optional DNI required for data insertion)		
	Bank software	+ sort code transaction number, account number, individual customer data	
	Filling station software	+ individual customer data (e.g. cashier, petrol pump data)	
	Industry software	+ individual customer data (e.g. barcode scanner)	
Menu languages	D, GB, F, I, ES, NL, S, FIN, HU, CRO, CZ, SLO, CN**		

HARD DISKS

Storage capacity	IDE HDD	120 GB** minimum included as standard
Memory expansion	IDE HDD	max 4 HDD** (max. 3 HDD** with combi-drive)
	RAID/USB	on request

INTERFACES

LAN	LAN/Ethernet interface: LAN-onBoard-Ethernet (10/100 MBit), RJ 45
Contact IN	30 input contacts: 24 x camera dedicated, 6 freely configurable input contacts (5 x 8 pin WAGO connection block), with 4-way function (e.g. hold-up, alarm)
Contact OUT	10 pin WAGO connection block 5 x freely configurable output contacts, Closer or opener with timer function
Serial	RS-232 (2 x 9 pin D-SUB)
Parallel	1 x 25 pin D-SUB for PC printer
USB 2.0	3 x USB 2.0 (2 x on rear, 1 x on front) Firewire compliant
IR	IR interface for operating via remote control (optional)
VGA	VGA output connection for VGA/TFT monitor
PS/2	Mouse/Keyboard

SOFTWARE OPTIONS

PView	Software for centralised management and analysis of several DMS and DLS systems
PGuard	Software for transmitting and receiving alarm signals via LAN/WAN
SmartGUI	Customised user interface, only with PView
Autobackup	Automatic archiving via the network

OPTIONS

KE-FS 6	Camera activation
PRemote	Control, analysis and configuration via LAN/WAN, ISDN, PSTN (MPEG-4)
Combi-drive CD-RW	5 1/4" combi drive: slimline CD-RW (min. 8x/8x/24x) & slimline floppy
Combi-drive DVD-RW	5 1/4" combi drive: slimline DVD-RW (min. 8x/8x/24x) & slimline floppy
ISDN	64/128 Kbit
DFM-1	Radio clock unit (DCF-77)
DNI	Dallmeier Network Interface, data insertion from various external devices (e.g. ATM, cashier systems, access control)
VdS mounting kit	Protective cover for rear connections rigid mount

Other accessories on request

Backup/ picture export	LAN	PView-Station (optional)
	Intern	Snapshot via floppy drive
	Video/FBAS	Videorecorder
	USB 2.0	USB hard disk with USB connection, CD-RW, DVD-RW
Remote access	Interfaces	LAN, ISDN, PSTN (Modem), RS-232
	Software/Hardware	PView-Software/PView-Station/PRemote

OTHER HARDWARE DETAILS

Hardware-Watchdog, real time clock, automatic summer/winter setting, removable BNC connection panel, sabotage contact/cover contact (VdS compliant), built-in temperature sensors (internal and external temperature), temperature-controlled fan (DFC – dynamic fan control), front panel with integral air filter (can be changed without tools)

Mains voltage	Wide range 95 - 264 V/AC, 50 - 60 Hz, approx. 150 W
Dimensions	W 425 x H 116 x D 445 mm (H 133 mm with housing feet)
Temperature	+5° C to +40° C/41° F to 104° F extended temperature range (VdS-compliant) to +55° C/131° F
Weight	approx. 10 - 12 kg excl. internal HDD expansion
Operating system	Linux

Device security

UL (Canada & USA), C-TICK, FCC, CE, CB
Interference emission: Category B of EN 55022: 1998;
Resistance to interference: Category B of EN 55024: 1998; DIN EN 60950 (VDE 0805):1997-11 + A11:1998-08; IEC 950:1991 + A1:1992 + A2:1993 + A3:1995 + A4:1996

ACCESSORIES

optical USB mouse Dallmeier - design (incl. PS/2 adapter), manual, power cable, 2 x 9 pin D-SUB socket with housing, 4 x 8 pin WAGO socket board, 1 x 10 pin WAGO socket board

** current data on request or visit www.dallmeier-electronic.com