

DLS 18 S1- edition

High resolution digital hard disk recorder with MCD 20

Ideal for today, flexible for tomorrow -
Dallmeier keeps your options open.

TECHNICAL DETAILS

- 18 camera inputs 12 standard, expandable to 18 camera inputs
- Integral MCD 20 Multi Control Display
VGA 1024 H x 768 V
CVBS Y/C - resolution 720 H x 576 V
- 20x multi-screen split
- 120 GB HDD (current size on request)
- LAN/Ethernet incl.
- Linux operating system

FEATURES

- Browser plug-in for remote access (ISDN, PSTN, LAN)
- 3 freely configurable recording tracks
- Real time triplex functionality
- VGA/CVBS monitor outputs
- Wavelet compression
- Integral motion detector
- High speed recording
- Separate Alarm memory
- Easy installation
- User-friendly operation
- Maintenance free running

APPROVALS

- Certified according to UVV-Kassen regulations and Kalagate
- Approved for IZB, DVS and FIDUCIA



The DLS 18 S1 edition with integral MCD 20 Multi Control Display offers full triplex functionality - so it continues recording even while you view live and recorded images.

With the integral motion detection system guaranteeing efficient usage of the available hard disk capacity, the system is ideal for any type of video security application, even for large scale projects involving live picture transmission and simultaneous remote configuration via LAN/WAN and ISDN/PSTN networks.

Linux - because stability is vital for security



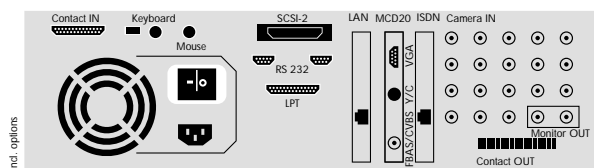
Reliability is fundamental to security. And in a digital environment reliability is based not only on the quality and suitability of the hardware and software, but crucially, on the stability of the operating system. This is the simple but compelling reason why all Dallmeier recorders use Linux. - Because 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.

D
Dallmeier
electronic

D L S 18 S1

D
Dallmeier
electronic

Back Panel



DLS 18 S1-edition digital HD recorder

- MCD 20 Multi Control Display incl.
- 12 camera inputs, expandable to 18 camera inputs via release code S-18 DLS
- LAN-1 Ethernet connection 10/100 Mbit incl. Browser plug-in
- 120 GB HDD**

SPECIFICATIONS

Picture memory	Resolution Video standard Compression Picture memory	720(H) x 288/576(V) CCIR/PAL and EIA/NTSC Wavelet, 5 levels freely configurable, set individually for each track field or frame mode
Multiplexer	Camera inputs Monitor outputs	12 CVBS/1 V _{pp} 75 Ohm - BNC, with loop-through, expandable to 18 camera inputs 2 CVBS/1 V _{pp} 75 Ohm - BNC and multi-screen display on VGA or CVBS or Y/C video output
Memory groups	Ring buffer	3,000 with S-180 DMS option buffer freely configurable (ring, end, backup when memory full)
Recording	controlled by contact , motion detection, permanent recording, weekly timer, RS-232, set for each camera	
Recording speed	Highest quality with 45 KB/field Medium quality with 25 KB/field (better than VHS, to German UVV-Kassen standard)	
	1 camera 4 cameras Multi-track operation > 4 cameras unsynchronized > 4 cameras Genlock > 4 cameras Linelock With motion detection	36 fps 50 fps approx. 13 fps per camera approx. 20 fps per camera 24 fps total 50 fps total 24 fps total no loss of performance
Replay	Speed Record/replay	50 fps, single frames, fast search semi-duplex, full duplex with WABO 2 (optional)
Password protection	4-level individual password protects against unauthorized access	
Log book function	Logfile	documentation of all reports, password rejections and other security-relevant parameters
Search criteria	Search according to date, time, camera number, transaction number or event with play-back speed, single frame display and zoom function set for selected areas.	
Menu languages	D, GB, F, I, ES, NL, S, FIN, HU, CRO, CZ, SLO**	

HARD DISK DRIVE

Memory capacity	IDE HDD	standard built-in IDE HDD 120 GB** min.
Memory expansion	SCSI-2 IDE HDD	Currently max. 15 x HDD**, SCSI (external) Internal max. 4 HDD** (max. 3 HDD** with combi drive)

APPROVALS/CERTIFICATIONS

UVV-Kassen, Kalagate, Fiducia, IZB, DVS

INTERFACES

Contacts IN	1 x 25 pin. D-SUB, 18 x camera contacts 6 x freely configurable input contacts with 4x function (e.g. hold-up, alarm)
Contacts OUT	10 pin VAGO connection block 5 x freely configurable output contacts closers or openers with timer function

Serial	RS-232 (2 x 9 pin. D-SUB)
Parallel	1 x 25 pin D-SUB for PC printer
PS2 Mouse	mouse socket

OPTIONS

S-18 DLS	Software update for DLS 18 S1-edition for expansion from 12 to 18 additional camera inputs via release code	
S-Track	Software update for upgrading to 3000 standard tracks and DMS 180 II functionality incl. S-Module (S-Tank, S-Bank, S-Industry, freely configurable)	
PRemote - Release Code	Software update for video transmission in H.261/H.263 standard for ISDN/LAN (without ISDN card)	
Web Release Codes		
DFM-1	Radio clock unit (DCF-77)	
S-Bus	SCSI interface for connecting internal/external SCSI devices	
PSTN-1	Software incl. modem for transmission via analog telephone line	
ISDN-1	ISDN card incl. installation for picture transmission over ISDN telephone cables	
PView II	Software for central control and analysis with several DMS and DLS recorders, 1-, 2- or 4-fold licence/dongle	
PGuard	Software for transmitting and receiving alarm signals via LAN/WAN PGuard II/1 1 user licence only with PView II/1 PGuard II/2 2 user licence only with PView II/2 PGuard II/4 4 user licence only with PView II/4	
DNI	Dallmeier Network Interface for data insertion from various external devices (e.g. ATM, cashier systems, access control)	
Combi drive	Combi drive 5 1/4": Slimline CD-RW (min. 8x/8x/24x) & Slimline floppy	
Backup	SCSI-2 (optional) LAN Internal Video/CVBS	HDD, removable hard disk e.g. Jaz drive, CD-RW PView-Station (optional) Single fields via floppy disk drive Video recorder
External storage	Diskette, Jaz drive, CD-RW; in Wavelet format incl. ProcessViewer picture processing software with authenticity test for WIN 95/98/NT/2000 (Integrity of pictures assured, and can be verified), archiving and network operation via LAN/ISDN/Tokenring in multi-task mode.	
Remote Access	Interfaces Software/Hardware	LAN, ISDN, PSTN (Modem), RS-232 PView-Software/PView-Station/PRemote

OTHER HARDWARE INFORMATION

Hardware Watchdog, real time clock, automatic summer/winter settings

Voltage	115/230 VAC, 50-60 Hz (+/- 10%), 150 W
Dimension	W 425 x H 116 x D 405 mm (incl. BNC-sockets) with case feet incl. H 133 mm
Temperature	+5°C to +40°C
Weight	approx. 10 kg excluding internal HDD expansion
Guarantee	36 months

System Security:

UL (Canada & USA), C-TICK, , FCC, CE, CB, interference emissions: class B limit according to EN 55022: 1998; resistance to interference: Class B limit according to 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

PS2 mouse, manual, power cord, 2 x 9 pin. D-SUB connector with case, 1 x 25 pin. D-SUB plug with case, 1 x 10 pin VAGO connection block

**Please enquire for current data or refer to www.dallmeier-electronic.com