



DTS Professional Line



DTS Entry Line



DTS, convenient video surveillance. The DTS (Digital Triplex System) digital image recording system integrates multiplexer, time lapse recorder and motion detector functionality in one appliance. DTS offers not only excellent image quality but also unrivalled ease of use.

DTS Professional Line was designed for use in small to medium-sized surveillance solutions with up to 16 cameras. The system is deployed, for example, for video security in filling stations, gaming halls, supermarkets, hotels and on construction sites.

DTS Entry Line was designed for small applications with up to four surveillance cameras. Despite its low price, the compact appliance is equipped with the full range of functions offered by its 'big cousin' DTS Professional Line.

DTS – Key Technical Functions

Handling

- Extremely easy-to-use intuitive 'on-screen' GUI, handled per mouse
- The GUI is based on functions familiar from a conventional video recorder
- Automatic recognition of connected cameras even during operations
- Plug-and-play installation
- PIN-protected system configuration
- Uncomplicated software update per floppy disk, CD or USB medium

Recording

- Digital single-frame recording in JPEG format with excellent image quality for up to 16 cameras
- Action-driven image recording triggered by movement or alarm
- Selectable recording mode for activity recognition or alarm/pre-alarm
- Dynamic memory allocation by data volume per camera
- Automatic ring memory with overwriting of the oldest images
- Images archived to floppy disk or CD-RW/DVD-RW as well as USB media
- Recording according to German "UVV Kassen" guidelines
- adjustable image compression

Motion Detection

- Integrated motion detection for all cameras via automatic or freely definable masks
- Adjustable sensitivity of motion detection
- Adjustable sensitivity of the automatic mask

Playback and Live Image

- Multi-image representation of live and archive images (1plus, full frame, 4x and 16x)
- Parallel live image display, recording, playback and transmission
- immediate playback of lately recorded images
- Object monitoring in live images with a cross-hair pointer and motion detection activated
- Simultaneous playback of several camera archives
- 3x zoom function
- Printout of live or archive images including image data such as date, time and camera

Retrieval

- Convenient database retrieval by camera, date and time
- Search via alarm list
- Rectangular search focus on a freely definable frame
- Statistic function with display of number of images and recording moment

Alarming

- Active alarm call via network and/or ISDN
- Freely configurable for each camera
- Configurable via motion detection and/or alarm inputs

DTS – Key Technical Functions

Pan/Tilt/Zoom Control

- One RS 232 interface for several pan/tilt cameras of the same type
- RS 232 / 485 converter on demand

Typ	Interface	Pan	Tilt	Zoom	Focus	Iris	Selectable Positions	Storable Positions	180°Pan	Speed	Bus
Elbex Serien EX/EXC 80,90,1000	RS 485, 4800 Baud, 8N1	●	●	●	●	●					1..999
Ernitec alle BDR-5xx	RS 485, 2400 Baud, 8N1	●	●	●	●	●					no
Panasonic	RS 485, 9600 Baud, 8N1	●	●	●	●	●	9			●	1..63
Sensormatic	RS 232, 9600 Baud, 8N1	●	●	●	●	●	9				no
Sony VISCA-Protokoll	RS 232, 9600 Baud, 8N1	●	●	●	●	●	6	●		●	1..3
Fastrax	RS 485, 9600 Baud, 8N2	●	●	●	●	●	9	●		●	1..100
VCL	RS 485, 9600 Baud, 8N2	●	●	●	●	●	9	●	●	●	1..128
VCL Max Com	RS 485, 9600 Baud, 8N1	●	●	●	●	●	9	●	●	●	1..128
Baxall	RS 485, 9600 Baud, 8N1	●	●	●	●	●	9			●	1..255

Analogue Video Outputs

- Automatic sequencer to switch live cams at freely definable intervals
- Automatic switching of the live cams at motion detection
- Manual switching to the selected camera

	DTS Professional Line	DTS Entry Line
Video inputs	8 or 16 x FBAS	4 x FBAS
Video outputs	2 or 4 x FBAS; 1 x VGA	4 x FBAS (of which 2 Loop); 1 x VGA
Resolution	720(H)x280(V); 360(H)x280(V) (PAL)	768(H)x280(V); 384(H)x280(V) (PAL)
Compression procedure	JPEG; H.263 for image transmission via ISDN (optional)	
Compression stages	- 3 -	
Recording (1 camera)	12 fields / sec.	12 fields / sec.
Recording (2 cameras)	6 fields / sec. / camera	6 fields / sec. / camera
Recording (4 cameras)	3 fields / sec. / camera	3 fields / sec. / camera
Recording (8 cameras)	up to 2 fields / sec. / camera	-
Hard drives	160 GB – 750 GB	160 oder 250 GB
Memory groups	Dynamic ring memory, alarm/pre-alarm memory	
Backup	3.5" floppy disk drive, CD-RW, DVD-RW, USB memory stick	
Operating elements	mouse (included)	
Alarm inputs	16 or 32	4
Alarm outputs	1 free definable relay output, can also be used as an error detector	
Audio output / input	1	
Audiocompression	MP3	
Pan/Tilt cameras	Baxall, Elbex, Ernitec, Fastrax, Panasonic, Sensormatic, Sony VISCA, VCL	
Interfaces	1 x RS-232 serial (9-pin D-Sub) , 4 x USB 2.0, 1 x parallel, 1 x 10/100 MBit Ethernet	
Menu languages	English, German, French, Spanish, Portuguese	
Power supply	100-235 V AC / 50-60 Hz	110-240 V AC / 47-63 Hz
Power consumption	max. 300 W	max. 200W
Temperature range	+5°C to +40°C	
Casing dimensions	140 (H) x 477 (D) x 425 (W) mm	100 (H) x 430 (D) x 325 (W) mm
Weight	10 kg	8 kg
Available options	ISDN 64/128 Kbit, CD-RW drive incl. software, DTS Receiver software, DVD-RW/+RW drive incl. software,	
Recording	MD or contact-driven	
Motion detection	Activity detection via freely definable levels, automatic masking out of continuously moving objects, freely definable mask	
Reproduction	individual image, reproduction, fast forward/rewind, event, real time	
Search criteria	Date, time, camera, alarm list and image excerpt	
Display	Full screen, 1 plus, square display	
Motion detection display	Cross hairs	
Video signal failure detection	Display on the screen, acoustic alarm	
Daily/weekly timer	adjustable for each camera	
Alarm processing	Active alarm call to receiving station	
Protection against unauthorised operation	Two PIN protected user levels	