

Just to know, what happened while you were out of home, office, car...

For all types of Security Surveillance applications...

Magic Store MS-A

Compact Hard Disk Digital Video Recorder



up to 4 PAL/SECAM v/cams - HDD20Gb - RISC processor Hitachi Super H3 - Newest video compression technologies - Simplest setting up of work parameters and access to stored video via standard LPT port of your PC

Weeks & Months of Recording (without PC)

The algorithm of video compression provides the storage of a varying image part only. The 200x compression can be reached.

MS-A Digital Surveillance Recorder

Compact digital surveillance recorder MS-A is using innovative digital video storage and image compression technologies to operate as a stand-alone recording device or as a memory component in close capturing television (CCTV) security system. MS-A can record video fragments lasting several weeks or even months from up to four different video sources. Compact, robust case along with low power consumption make this model suitable also for video stream recording in various mobile applications: on vehicles, trains, aircrafts, etc. The System is intended for long-lasting video data recording (up to 3 month).

Important Features

- Continuous video signal recording (with time- and date-stamp) from up to four CCTV cameras (color or b/w) on an internal hard drive with possibility of simultaneous playback over digital interface without productivity loss: full duplex.
- The algorithm of video image compression provides the storage of a varying image parts only: picture comparing proceed. The 200x compression can be reached.
- Alarm sensors (of a security warning system) can be connected to every channel to activate recording.
- Corresponding video channels can be activated on an excess of the "motion activity threshold" in a frame's zoom.
- · Signal dropping-out / resuming recording.
- Adjustment and reviewing via a PC parallel port. Copies of selected video segments can be archived at the local hard drive.
- Scaleable "activity diagram" with frame fixing to date and time. A quick access to any frame.
- The few video sources will be used and the smaller observed area the larger frame rate and recording time will be reached.
- Extremely small and silent, dust and splash water resisted (optional).

Technical Data

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| <ul style="list-style-type: none"> • Compression <ul style="list-style-type: none"> ◦ video: ITU-T H.263+ ◦ photo: JPEG (ITU-T T.81) • Data rate (max. picture quality) <ul style="list-style-type: none"> ◦ maximum (>70% motion): 200 kbps ◦ average: 30 kbps • Memory consumption, about <ul style="list-style-type: none"> ◦ average: 5 GB/week (permanent recording, max. picture quality) ◦ often reachable: 1-3 GB/week (with motion threshold, 2-3 frames/s) • Resolution <ul style="list-style-type: none"> ◦ video-modus: 128x96 ... 352x288 ◦ photo-modus: 128x96 ... 704x576 • Frame frequency(total all channels, 20% motion) <ul style="list-style-type: none"> ◦ 176x144 and less: 25 frames/s ◦ 256x192, s/w: 18 frames/s ◦ 256x192, colour: 12 frames/s ◦ 352x288, b/w: 9 frames/s ◦ 352x288, colour: 6 frames/s • Video input <ul style="list-style-type: none"> ◦ 4x PAL/SECAM, BNC, 75 Ohm, 1Vss • Video format <ul style="list-style-type: none"> ◦ B/W (8bit), YUV 4:2:0 (8bit) • Data interface <ul style="list-style-type: none"> ◦ 500 kbps, bi-directional, IEEE-1284, EPP | <ul style="list-style-type: none"> • Memory capacity (IDE HDD build-in, shock-resistance) <ul style="list-style-type: none"> ◦ min. 20GB • Power supply (plug-in): <ul style="list-style-type: none"> ◦ 8-14B DC 1.2A • Power requirements (continuous) <ul style="list-style-type: none"> ◦ max. 6W • Housing dimension (WxHxD, incl. BNC-sockets) <ul style="list-style-type: none"> ◦ 109 x 35 x 179 mm • Weight <ul style="list-style-type: none"> ◦ about: 0,8 kg • Environmental (operation): <ul style="list-style-type: none"> ◦ vibration (random): 0,67G (5-500Hz) ◦ shock: 170G/2ms ◦ Operation temperature: 0...50°C ◦ Store temperature: up to -20°C ◦ Humidity: 60% (85% optionally available with varnish covering) • Contents of delivery <ul style="list-style-type: none"> ◦ MS-A, plug-in power supply, manual, EPP data cable, control, viewing and archiving software "Magic-Store" • Minimum system requirements (for the "Magic-Store" software) <ul style="list-style-type: none"> ◦ Pentium 133; 32MB RAM, 20MB HD; 800x600, 65536 (16bit); parallel port (EPP); ◦ * Windows 95/98/ME or Windows-NT + SP3; DirectX |
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Complectation:



MS-A device
AC/DC adaptor
Magic Store software

Imagine How It Works by downloading:

Magic Store software:

- 1) Magic Store software: [mssetup.exe](#) (522Kb)
- 2) MSV-Files Player (for viewing recorded files): [msv_viewer.exe](#) (328Kb)

Recording samples:

1) Records of street:

- day, high-quality, with photos: [street.msv](#) (3.2Mb, 01:04)
- night-camera, hi-quality, with additional title-generator: [street_night.msv](#) (5.9Mb, 04:13)

3) 4 CCTV-cameras, recording of a way in (Events: Photo: On): [cctv_4.msv](#) (7.9Mb, 07:21)

4) 1 CCTV-camera, a building site (colour, hi-speed):

- [building_1.msv](#) (6.1Mb, 03:36)
- [building_2.msv](#) (3.6Mb, 02:26)

5) From a car (colour, hi-speed, lo-resolution):

- [drive_night.msv](#) (10.6Mb, 03:54)
- [drive_1.msv](#) (19.1Mb, 07:34)
- [drive_2.msv](#) (8.9Mb, 13:03)
- [drive_3.msv](#) (14.9Mb, 05:55)

6) DVD-movie (b/w and colour):

- [cartoons_bw.msv](#) (6.7Mb, 02:13)
- [cartoons_clr.msv](#) (7Mb, 02:13)

Where to order:

For **UK** customers:

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