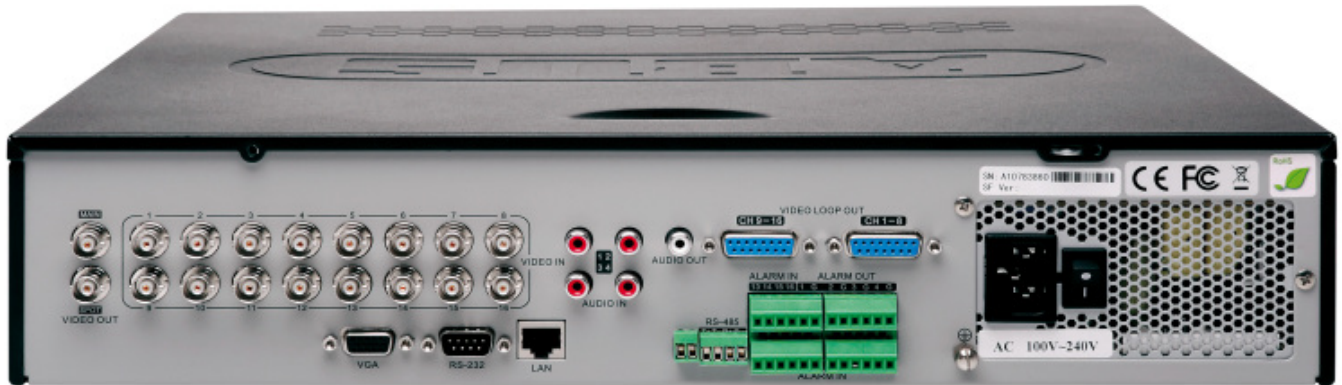


16-channel realtime digital video recorder

Art. no. TVVR41120

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- Real-time recording at full resolution: 4CIF @ 25 fps
- Status LED indicates recorder status
- Space-efficient H.264 data compression
- Up to 2 SATA hard disk drives can be connected
- Video & audio recording
- Network connection for worldwide access
- Mobile access using the iDVR app

The powerful yet extremely user-friendly 16-channel digital recorder (DVR) can be used to store and archive images from up to 16 cameras on hard disk using the latest H.264 compression technology. With its innovative colour display, you can see the status of the recorder at any time. 4 different flashing and solid lights show you whether the DVR is currently recording, whether it is in guard mode (schedule active but not currently recording), operational or whether there is a fault (failure in the video signal, hard disk etc.). Lights for each individual camera button also show whether a camera is connected and whether the channel is currently recording. Tiresome status checks on the monitor are a thing of the past - you can check that everything is working at a glance as you walk past.

Installation is also very simple: connect the cameras to the video input, connect a monitor to the video output - and the surveillance system is ready. The analogue video signals from the cameras are compressed using the latest H.264 technology and stored in superb image quality. The image data takes up as little storage space as possible and is ideal for network streaming (data access via LAN/Internet). You can choose from 6 compression levels to save even more disk space. Benchmark DSP technology from Texas Instruments with optimised hardware and software components ensure maximum image quality even with strong compression and provide ultimate operational reliability.

The recorder is designed for 2 SATA hard disks (not included). You can adjust the recording from all cameras from CIF (352 x 288 pixels) at 25 frames per second per camera to 4CIF (704 x 576 pixels) at 25 frames per second. You can start recording manually, according to a schedule, when motion is detected in the field of view, by triggering an alarm sensor or by a combination of individual modes (depending on the desired detection sensitivity and protection against false alarms). You can connect appropriately wired sensors (NO or NC) via 16 alarm inputs and 4 relay outputs can also be used to control signal transmitters etc. in the event of an alarm, enabling prompt responses to events. PTZ cameras can be controlled via an RS-485 interface.

The recorder offers triplex operation i.e. live view, playback and data export all at the same time. Data backup is

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simply done using 2 USB connections or a network connection. Depending on the PC network, you can view your recordings over the LAN or from anywhere in the world via the Internet - and with support for dynamic IP addresses (DynDNS), you can access your recorder at any time while you are on the road. Despite this powerful range of functions, the digital recorder is very easy to operate: it is easy to use the jog shuttle to find the recording position you are looking for, or you can use the search function to search by event, date and time. A mouse for operating the recorder is included in the scope of delivery.

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Technical Data:

| | |
|--|--|
| Compliant with loi Sarkozy (FR only) | Yes |
| Total network throughput (input/output) | 30 MBit/s (0 MBit/s / 30 MBit/s) |
| Dimensions | 450 x 90 x 441 mm |
| Alarm inputs (NO/NC) | 16 |
| Alarming | Acoustic warning signal, OSD signal, e-mail |
| Views | 1 / 4 / 9 / 16 |
| Audio | Input: 4 x Cinch (2.0 V p-p, 1000Ω), Output: 1 x Cinch (600Ω) |
| Recording resolution @ frame rate per camera (NTSC) | 352 x 240 (CIF)@30fps, 704 x 240 (2CIF)@30 fps, 704 x 480 (4CIF)@30 fps |
| Recording resolution @ frame rate per camera (PAL) | 352 x 288 (CIF)@25fps, 704 x 288(2CIF)@25 fps, 704 x 576 (4CIF) @ 25 fps |
| Recording modes | Manual, schedule, motion detection, alarm, motion detection and alarm, motion detection or alarm |
| Recording duration at max. resolution and frame rate | 61 hours/TB |
| Recording duration at min. resolution and frame rate | 247 hours/TB |
| Operating mode | Triplex |
| Width | 450 mm |
| Storage | 2 x USB 2.0 |
| DDNS | Ja |
| Total frame rate (PAL) | 400 |
| Simultaneous network access | 24 camera connections |
| Height | 90 mm |
| Hybrid-enabled | Nein |
| Camera outputs | 16 x BNC (1.0 V p-p, 75 Ω) |
| Camera inputs | 16 x BNC (1.0 V p-p, 75 Ω) |
| Analog compression levels | 6 |
| Length | 441 mm |
| Power consumption | <35 (without HDD) W |
| Max. operating temperature | 55 °C |
| Min. operating temperature | -10 °C |

| | |
|-----------------------------|--|
| Monitor outputs | Monitor: 1 x BNC (1,0 V p-p, 75 Ω), 1 x VGA; Spot: 1 x BNC (1,0 V p-p, 75 Ω) |
| Net weight | 8 kg |
| Network access | RJ45 10/100 Mbps |
| Network functions | Live view, playback, data export, settings |
| NTP | Ja |
| PTZ protocols | PELCO-D, PELCO-P, Samsung, LG-MULTIX |
| PTZ control | RS-485 |
| Relay output | 4 (Loading capacity: 12VDC/1A) |
| Software | ABUS CMS software |
| AC voltage supply | 100 – 240 V |
| Storage medium | 2 x SATA HDD port |
| OSD language | German, English, French, Dutch, Danish |
| Control | Mouse, remote control (not included) |
| Search modes | By event, date & time |
| Analog video channels | 16 |
| Total video channels | 16 |
| HD-SDI video channels | 0 |
| IP video channels | 0 |
| Video compression | H.264 |
| Pre-alarm/post-alarm memory | 0~30 sec. / 5 - 900 sec. s |
| Certifications | CE |