

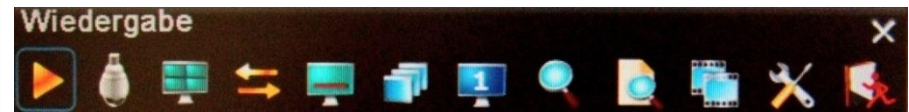
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|-----|-------------------------|--|
| 1) | 2 x USB 2.0 Port | For connecting a USB mouse or a USB stick |
| 2) | Keys | For multiview display |
| 3) | Channel keys | 1~16 for selecting a single camera to be displayed in full screen. The active channel is indicated through the LED. |
| 4) | DVD+RW | DVD+RW drive for data export (D/DIA/DR/DRA models only) |
| 5) | DISPLAY | The DISPLAY key switches in 4 steps between camera title and status messages on the screen. Details: Chapter 4.9 MONITOR |
| 6) | SEQ | Sequence mode, automatic switching |
| 7) | ZOOM | 2x electronic zoom. Details: Chapter 4.10 ZOOM |
| 8) | MONITOR | The MONITOR key switches between main and call monitor operation. If the main monitor is active, the „M“ LED is illuminated; if the call monitor is active, the „1“ LED is illuminated. Details: Chapter 4.9 MONITOR |
| 9) | HDD | Sata harddisk (models with removable harddisks only), press cover slightly for opening |
| 10) | REC | RECORD key for manual switching of recording start / standby (event recording). LED is illuminated if the DVR is in recording or standby mode. |
| 11) | STOP | STOP key for playback and record stop |
| 12) | BACK | Reverse playback |
| 13) | PAUSE | Freeze image in playback mode |
| 14) | PLAY | Forward playback |
| 15) | SEARCH | The SEARCH key opens the search menu. Details: Chapter 4.11 SEARCH |
| 16) | ENTER | ENTER key for menu operation, alarm confirmation and on/off switching of audio signal in full screen mode. Details: Chapter 3.2.1 |
| 17) | COPY | The COPY key opens the data export menu. Details: Chapter 4.12 COPY |
| 18) | JOG/SHUTTLE | Shuttle (outside): Use the SHUTTLE for fast forward / reverse playback in playback mode.
Jog (inside): Use the JOG to step forward / reverse single images in pause mode. In menu functions, use the JOG to adjust values / parameters. Additionally, use the JOG to highlight individual cameras. Use either Shuttle or Jog to switch between menu parameters. |
| 19) | MENU/ESC | Enter main menu or exit submenus. |
| 20) | IR receiver | Receiver for IR remote control |
| 21) | SYSTEM LED | Power LED indicates whether the device is switched on.
HDD 1/2 LED indicates which harddisks are used (HDD1: built-in harddisks 1~4, HDD2: external harddisks via e-Sata – function reserved).
LAN LED for network traffic |
| 22) | Alarm LED | LED for alarm status |

Description of on-screen configuration menu (control bar)



Nr.	Menu	Description
1)	Express	Express menu for fast setting the DVR's most important parameters
2)	Camera Setting	Camera parameter setting menu (e.g. motion detection, framerate etc.)
3)	Record & Play Setting	General playback and recording settings
4)	Alarm & Event Setting	Configuration of alarm contacts and events
5)	Schedule Setting	Setting of different schedule programmes
6)	Network Setting	Setting of network parameters
7)	Disk Setting	Information on installed harddisks, HDD formatting
8)	Display Setting	OSD and sequence settings
9)	System Setting	System setting menu
10)	Information Setting	General system information

Description of the on-screen main menu (control bar)



Nr.	Menu	Description
1)	Playback	Enter playback menu
2)	PTZ	Control of a PTZ camera connected to the DVR
3)	Layout	Switching of various multiviews
4)	Channel switching	Switching of video channels
5)	Display	Display of various OSD information, e.g. camera title, time etc.
6)	Sequence	Start sequential switching
7)	Monitor	Switch between main and call monitor
8)	Zoom	Enable digital 2x zoom
9)	Search	Search for recorded footage
10)	Copy	Export recorded footage
11)	DVR configuration	Enter configuration menu (see above)
12)	Logout	Local logout from DVR

1. MONITOR DISPLAY FORMATS

The LED indicates the selected display layout.

Note: The multiview keys are only active during main monitor operation.

Full screen:

Press one of the channel keys **1 ~ 16**

Sequence (automatic switching, available in live mode only)

Press the **SEQ** key to start / stop the automatic switching mode.

2. MENU START

Press the **MENU** key to access the main menu bar (front key no. 22). Control the menu either through mouse or through Jog/Shuttle (front key no. 23).

3. BRIGHTNESS – CONTRAST – COLOUR

Brightness, contrast and colour can individually be set for each video channel. Select the camera menu (2nd icon) and enter the option „Video adjust“. Define the values by using the mouse. After adjusting the values, exit the menu by either pressing the **MENU** key 3 times or by mouseclick on the cross in the menu bar (top right corner).

4. RECORDING

Use the **RECORD** key for manual record start / standby (event recording). The LED is illuminated if the DVR records or is in standby mode.

5. PLAYBACK

Start the playback at the latest HDD playback position by pressing the **PLAY** key (Quick Play function deactivated!).

Fast forward / reverse:

Use the Jog/Shuttle to play video images forward / reverse with up to 32x speed (1x,2x,4x,8x,16x,32x and >>> „minute steps“)

Pause:

Press the **//** key to freeze the current playback position.

6. PLAYBACK SEARCH

Press the **SEARCH** key to enter the playback search menu.

From the menu on the left, select the search method:

- TIME / DATE SEARCH

Enter time and date of the requested recording position and click **PLAYBACK**. Upon successful search, the monitor automatically switches to playback mode and playback starts at the requested position.

- EVENT SEARCH

Select time and date as well as the relevant camera(s). In the „Event“ row, select the requested event type (alarm, motion, video loss and others) and confirm your selection by clicking **SEARCH**. After the search, a list of available events is displayed. Highlight the relevant period and click **PLAY**.

The monitor automatically switches to playback mode and playback starts at the selected position. If you'd like to export this period, just click **COPY** instead of **PLAY**.

- MOTION SEARCH (SMART SEARCH)

Select time and date as well as the relevant camera(s). If applicable, define a motion zone by clicking **GRID SETTING**. Confirm your selection by clicking **SEARCH**. After the search, a list of available motion events is displayed. Select the relevant event from the list and click **PLAY**. The monitor automatically switches to playback mode and playback starts at the selected position. If you'd like to export this event, just click **COPY** instead of **PLAY**.

- SNAPSHOT

Select time and date as well as search direction, time interval and the relevant camera. Confirm your selection by clicking **SEARCH**.

The monitor automatically switches to display mode and displays the snapshots of the selected camera. Click right on a snapshot to play it back. Additionally, the following options are available:

Back	Scroll backward through the defined time intervals
Play	Playback of the selected snapshot
Exit	Return to the snapshot search menu
Forward	Scroll forward through the defined time intervals

7. COPY / ARCHIVING VIDEO DATA

Insert a USB stick into the USB socket at the front.

Press the **COPY** key in live mode to display the copy menu.

Enter start and end time of the video export and highlight the requested cameras.

Select the target medium USB / CD/DVD (DI/DIA/DR/DRA models).

Press the **COPY** key to start the video data export.

If requested, the player software can also be exported to the USB stick by activating the checkbox „**PLAYER**“.

Exit the menu by either pressing the **MENU** key several times or by mouseclick on the cross in the menu bar (top right corner).