

BCS Manager

Program for handling BCS devices



Characteristic:

BCS Manager is a CMS (Camera Management Software) application, initially designed as a uniform system for operating BCS CCTV devices. At present, it also supports devices from other manufacturers and ONVIF itself. It is adapted to the needs of the individual customer and large monitoring stations. CMS is characterized by a modern graphic interface and intuitive operation.

The main functions of the application are live view and playback of recordings from recorder media. Each of the modules can be detached from the Start screen and placed on additional monitors. Thanks to this operation, live streams from different cameras can be obtained on several monitors, dedicating one of the screens for alarm responses or e-map. The displayed streams have a toolbar with functions such as sound reproduction from the camera's microphone, quick preview or digital zoom. Monitoring of CCTV systems can facilitate the creation of your own views, which with one click will start the preview of predefined channels and panels dedicated to special cameras such as PTZ or Fisheye control their functions.

BCS Manager also has advanced monitoring modules. Creating a task will display views in sequence, alarm rules will display a reaction window to events from devices, and an e-map will allow you to visualize the camera installation location. Adding a cloud account in the application will allow access to devices from the BCS cloud. The utility allows you to search for devices on the network, change IP addresses and cloud server in recorders. ConfigTool also includes a disk calculator that will quickly determine the required disk capacity or recording time.

BCS Manager has a dedicated P2P BCS cloud server. The cloud is designed for devices that have limited access to the Internet, often due to the lack of a fixed IP address or the inability to configure port forwarding on clients' network devices. CMS has built-in security that prevents overloading the computer, and all available reports and logs can be exported to a .csv file.

Additional modules enable the handling of events from LPR cameras (ITC) with the ability to track the route of vehicles, body temperature measurement from dedicated cameras containing the metadata of the person who was measured. Another module „warehouse support” enabling calling specific recordings from configured stations. Captions module allow to capture subtitles from integrated devices and places them on the camera screen.



System requirements:

- Windows 10
- Linux – based on Debian
- Apple Mac OS X

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Technical data:

BCS Manager	Windows 10 32/64 bit, Linux (Debian, Ubuntu), MacOSX
Supported devices	BCS Line, BCS Point, BCS View, ONVIF, inne (SDK)
Device configuration	Automatic search, add, delete, group, webservice (local)
Advanced configuration	Defining PTZ/Fisheye/LPR cameras/Body temperature measurement and their parameters
Supported languages	Polish, Russian, English, Czech, Lithuanian
Live View:	
Division	Pre-defined 1/4/8/9/16/25/36/64 or custom, fullscreen
Number of application windows	Unlimited, detachable and can be moved to additional screens
Features	Views (including 15 favorites), full screen, stream proportions, automatic stream mode, automatic preview mode, channel list, alarm input/output list, PTZ/Fisheye control, LPR event list and body temperature measurement, Stream window subtitles
Preview tools	Audio playback from channels, two-way conversation, snapshot, recording, quickplay, digital zoom, finding the displayed camera in the channel list, presentation of IVS rules on the camera window, move to recordings, activation of related alarm outputs
Logs	System, user operations, device events, notifications
Playback:	
Division	Pre-defined 1/4/8/9/16/25/36/64 or custom, fullscreen
Recordings	Remote from devices and local made by the application
Features	Synchronous playback of multiple channels, variable playback speed, playback in fisheye mode, time line/file list, calendar, channel list, type filter, search and presentation of recordings with subtitles, block records to prevent overwrite and with USB copy function
Download	Remote recordings in file format compatible with the recorder format (.dav for Line and Point Analog, .mkv for Point) Local recordings in .mkv format
BCS Player	Added to copied files, plays PC-NVR recordings with optional subtitles
PC-NVR	
Features	Streaming support, recording, sequential shooting, schedule
Recording	Main and/or extra stream, events, schedule, pre and post alarm
Photos	Main stream or extra stream, time intervals, photo sequences
E-map	
Layers	Interactive map with an accuracy of 10 m, unlimited number of layers (objects) with the ability to set your own background
Image format	.png, .jpg, .bmp
Features	Compact/PTZ/fisheye/LPR camera icons, camera icon rotation and scale, layer and camera names, offline/online /alarm signaling status
Tasks and Tours	
Sequences	Composed of Views
Tasks	composed of sequences
Features	Refreshing streams (min. Every 10 seconds), Launching applications with a fixed arrangement of monitors, screens and camera windows
Alarm rules	
Alarm source	Motion detection, camera cover, loss of camera signal, IVS, Full disk, disk error, alarm input
Response to the alarm source	Image display, image recording, photo taking, preset call (PTZ), display/activation of alarm output, custom sound and image notification, e-mail notification
Features	Schedule, preview tools for developed images, time stamp for recorded events
Captions	
Source	Posnet, Forcom, Elzab, Novitus, other (requires integration)
Features	Sharing sources, displaying 4 different sources on 1 camera stream, configurable subtitle parameters (font, color, size), keyword lists, sound notifications, database search
Display	In live view over the camera stream, in playback on recordings, displaying recordings based on the specific subtitle
Application features	
Configuration	Quickplay time, FPS limit, video buffer size, video/photo/downloaded folders, network keyboard support, integration with cloud devices (P2P), Watchman, restore last view, hide offline channels, remote video directory
User accounts	Built-in administrator account, user accounts with the ability to define access to application resources and individual device channels
BCS Tools	Device search utility, IP address change, P2P server change, disk calculator
Optional	Vehicle monitoring, warehouse position service, body temperature measurement, captions
System requirements on examples*	
P-NVR0401-4K, 4x IPC P-212R3-E-II	CPU: 6-th generation architecture @2,4GHz, RAM: 4GB, HDD: 500 MB
PC-NVR dla 36 IPC	CPU: 6-th generation architecture @2,8 GHz, RAM: 16GB, HDD: ~40TB (for 1 month of recording)

* System requirements depend on the number of streams and functions. A larger number of connected devices affects the load on the processor, while a larger number of activated functions affects the load on RAM.