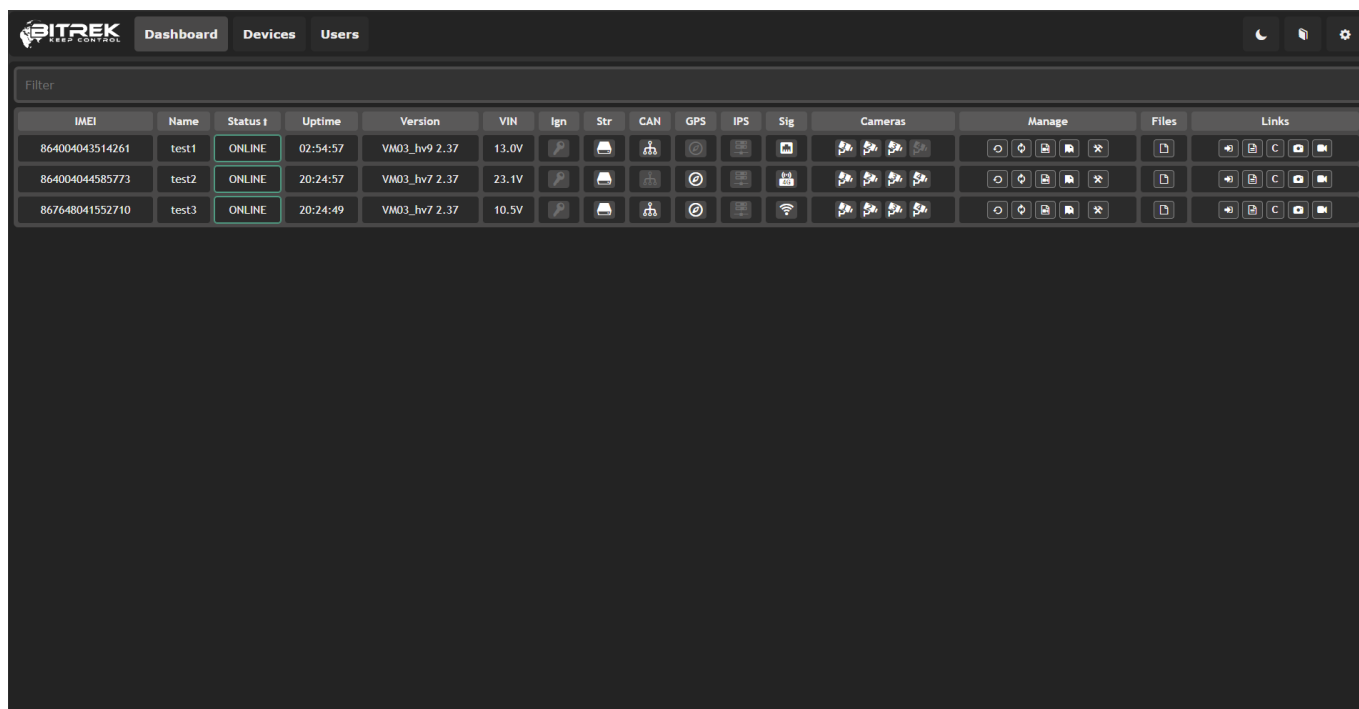


Control Panel



The screenshot shows the Bitrek Control Panel interface. At the top, there are tabs for 'Dashboard', 'Devices', and 'Users'. Below the tabs is a 'Filter' input field. The main content area displays a table with columns: IMEI, Name, Status, Uptime, Version, VIN, Ign, Str, CAN, GPS, IPS, Sig, Cameras, Manage, Files, and Links. Three devices are listed, all with a status of 'ONLINE'.

| IMEI | Name | Status | Uptime | Version | VIN | Ign | Str | CAN | GPS | IPS | Sig | Cameras | Manage | Files | Links |
|-----------------|-------|--------|----------|---------------|-------|-----|-----|-----|-----|-----|-----|---------|--------|-------|-------|
| 864004043514261 | test1 | ONLINE | 02:54:57 | VM03_hv9 2.37 | 13.0V | | | | | | | | | | |
| 864004044585773 | test2 | ONLINE | 20:24:57 | VM03_hv7 2.37 | 23.1V | | | | | | | | | | |
| 867648041552710 | test3 | ONLINE | 20:24:49 | VM03_hv7 2.37 | 10.5V | | | | | | | | | | |

| Name | Description | Note |
|----------|---|--|
| IMEI | Unique device number | 15 digits |
| Name | Vehicle name or other identifier | Arbitrary string of 64 characters |
| Status | Current state of connection of the device to the system - ONLINE or OFFLINE | Polling interval of the device up to 300s |
| Uptime | In the ONLINE status is the operating time of the device from the moment of loading. | In OFFLINE - time of the last connection to the system is updated when the device is polled, the interval is up to 120s. |
| Version | Version of the electronic part/software part of the device | - |
| VIN | On-board power supply voltage | Measured at the power connector |
| ignition | Ignition sensor status | Ignition sensor is located on the 6 pin sensor connector |
| Storage | Storage status - device storage OK, or device storage error | If there is a storage error, the recording is made to the backup storage - an engineer's diagnosis is required |
| CAN | CAN CONNECT status of the instrument bus. When hovered, the connected devices are displayed. When pressed - enabled sensors | If there is no connection, first of all check the 120 ohm terminating resistor |
| GPS | GNSS receiver status. When pressed, the current position of the device will be shown on Google maps | - |
| IPS | Status of connection to telemetry server, for example Wialon | In case of device not added to the server the status is LOGIN ERROR |
| Cameras | | |

| Name | Description | Note |
|------------------------|--|---|
| 1 | Camera status 1. When hovered, the current consumption of the camera is displayed. When clicked, the live stream from the camera | Make sure live video is enabled in the device for correct display of the stream |
| 2 | Camera status 2. When hovered, the current consumption of the camera is displayed. When pressed - live stream from the camera | Make sure live video is turned on in the instrument to display the stream correctly |
| 3 | Camera status 3. When hovered, the current consumption of the camera is displayed. When pressed - live stream from the camera | Make sure live video is turned on in the instrument to display the stream correctly |
| 4 | Camera status 4. When hovered, the current consumption of the camera is displayed. When you click - live stream from the camera | Make sure live video is enabled in the instrument to display the stream correctly |
| Control | | |
| Reboot NVR | Remote reboot command | The device will be unavailable during the reboot. It takes up to 1 min to reboot the device. The time to get online depends on the level of connection to the wireless network |
| Camera reboot | Remote camera reboot command | The camera will be unavailable during reboot. The download time depends on the manufacturer - from 20 s to 1 min |
| Make content | Request to create a photo or video | Used to test the functions of the device |
| Settings | Request and set settings | The settings are displayed in the "raw" form. Saving settings to a file and writing from a file is available. |
| Files | Query, browse and copy files from the instrument memory | Note that in case of poor network conditions, long video buffering is possible |
| Links | | |
| Go to the NVR web site | Engineering login to the device setup menu. There you can configure all functions of the device | Attention - at this link you can get into the device without entering a password. Be careful when forwarding this link to third parties. In case the link is compromised, it is necessary to request a new token in the instrument's cabinet |
| Files | Login to file storage in engineering mode | Attention - this link allows access to the device storage without entering the password. Be careful with forwarding this link to third parties. In case the link is compromised, it is necessary to request a new token in the device cabinet |
| Single Streaming | Live video of all connected cameras of the device. | This mode should be used when the connection to the instrument is poor, because only one camera is streaming at a time, which reduces the load on the wireless network |

| Name | Description | Note |
|----------------|---|--|
| Multistreaming | Live video of all connected cameras of the device. All cameras are played simultaneously | This mode is useful for getting full information from all connected cameras. Keep in mind that in this case the wireless connection must have a good network level, preferably the latest generation LTE |
| Cabinet | | |
| Cabinet | Enter the cabinet of the device. In the cabinet you can rewrite access tokens, go to the remote configuration of the cameras connected to the device, view video from the recorder and live from the cameras, as well as files on the test FTP server | Attention - the link allows you to enter the device cabinet without entering a password. Be careful with forwarding this link to third parties. In case of compromising the link it is necessary to overwrite the access token |
| Loop | Remote viewing of recorder files by date, camera or all in a row. | Video download speed depends on the quality of the connection |
| Live | View live stream from the device | Video download speed depends on the quality of the connection |
| FTP | View files on a test FTP server | Free storage capacity for each device is 1GB |

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