



IP camera

SV-BA331-E4C


User manual


Firmware version Version 1.9.1

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1 Notes and warnings

 Notes contain additional information on using and configuring the device.

 Tips contain important information, tips or recommendations on device operation and setup.

2 Product description

SV-BA331-E4C is a camera designed for real-time video surveillance. Due to the QuadHD resolution, the transmitted image is clear and detailed. PoE technology allows installing the camera everywhere, regardless of the location of the power supply. It also saves on the cost of power cables and makes the installation simple and not time-consuming.

Features and capabilities:

- Night vision provides clear images even in low-light conditions;
- Motion detection notifies you of events as they occur;
- Video archive provides options for saving recordings: to a memory card for local storage or to network storage¹. If the local storage fails, all recordings will remain available on the network storage;
- PoE power supply;
- Vandal-resistant plastic dome;
- Ability to connect an external speaker and microphone (audio input/output).

 ¹ Support for the function of saving records to network storage is under development.

2.1 Technical specifications

Interfaces	
Memory card	1 × MicroSD/SDHC/SDXC up to 512 GB
Ethernet	1 × 10/100BASE-T (RJ-45), support for PoE
Network	
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, SSL/TLS, QoS, DHCP, DNS, RTP, RTSP, RTMP, NTP, SMB, NFS, TFTP
API	ONVIF (Profile S, Profile T), WSS API
Security	password protection, complex password, HTTPS encryption, WS-Username token, WS-Username basic for ONVIF, TLS1.3
User/host	up to 10 users, 2 user levels: administrator, operator
Sensor	
Type	1/2,7", progressive scan CMOS
Effective pixels	4 MP
Lens and illumination	
Focal distance	2.8 mm
Aperture	F/2.0

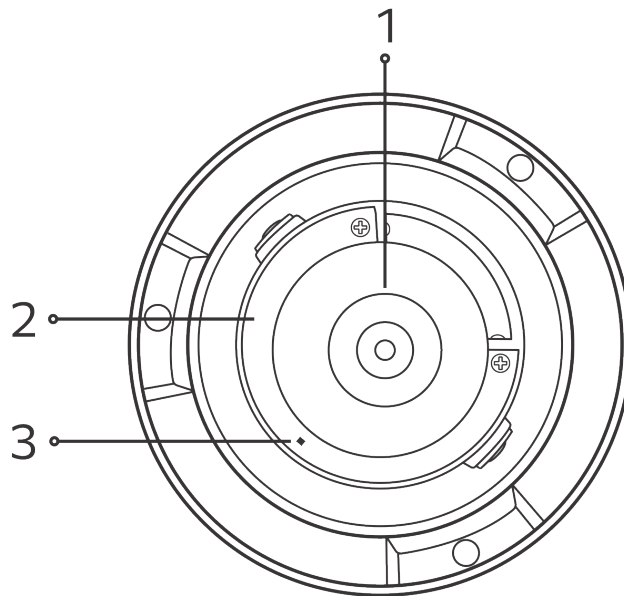
Field of view (horizontal)	112°
Field of view (diagonal)	134°
Field of view (vertical)	60°
Angle adjustment (tilt)	from 0° to 90°
Angle adjustment (rotate)	from 0° to 360°
IR illumination	yes
IR range	up to 40 m
Image	
Image	color
Maximum resolution	2560×1440
Maximum frame rate	main stream: 5–30 frames per second (2560×1440, 1920×1080, 1280×720); secondary stream: 5–25 frames per second (1920×1080, 1280×720, 960×540, 640×360)
Bit rate	from 512 Kbps to 10 Mbps
Video compression	H.264, H.265
Image quality improvement	DNR 2D/3D, DWDR, BLC, AE, AWB, HLC, ANTI-FLICKER, DEFOG
Signal-to-noise ratio	no less than 50 dB
ISO	color image: 0.01 lux; black-and-white image: 0 lux with infrared illumination enabled
Audio	
Built-in microphone	yes
Audio input/output	1 input/1 output
Audio compression	PCM, G.711A (PCMA), G.711U (PCMU), AAC, MP2, MP3
Voice pickup distance	speech intelligibility: up to 5 meters for the built-in microphone, up to 10 meters for an external microphone
Physical specifications	
Power supply	12 V DC, PoE 802.3af
RAM	128 MB

ROM	32 MB
Housing	metal, plastic
Form factor	dome camera
Mount options	indoor and outdoor
Dimensions (H × D)	100 × 100 mm
Weight	0.5 kg
Operating temperature	from -40 to +60°
Operating humidity	no more than 90 % (non-condensing)
Ingress protection	IP67
Lifetime	no less than 5 years

2.2 Design

2.2.1 Top view

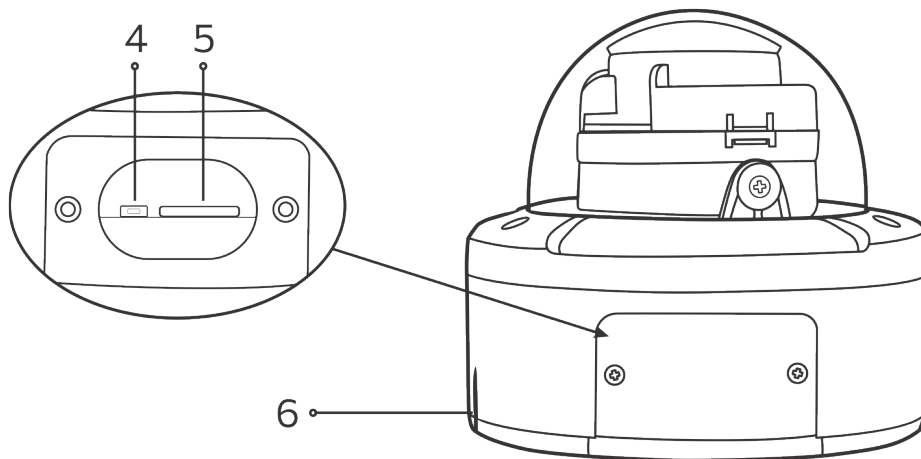
The top view of the camera is shown in the figure below.



No	Description
1	Lens
2	LED lighting
3	Microphone

2.2.2 Side view

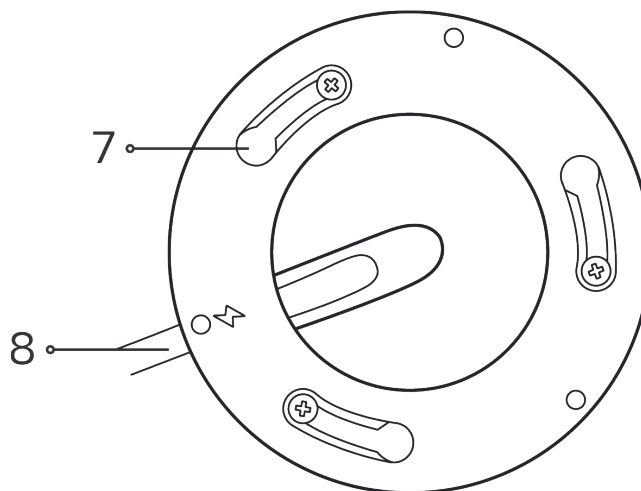
The side view of the camera is shown in the figure below.



No	Description
4	Reset button
5	MicroSD card slot
6	Microphone

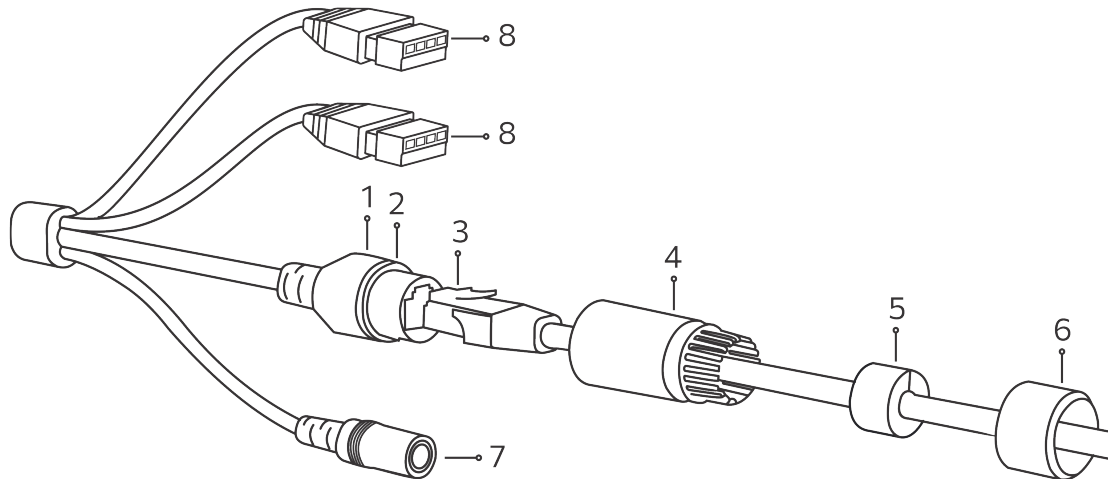
2.2.3 Base view

The base view of the camera is shown in the figure below.



No	Description
7	Mounting holes
8	Cable

2.2.4 Cable design



No	Description
1	Network interface
2	Sealing ring
3	Ethernet cable
4	Cable gland
5	Waterproof ring
6	Locking nut
7	Power adapter connector
8	Alarm input/output

2.3 Delivery package

SV-BA331-E4C standard delivery package includes:

- SV-BA414-E IP camera;
- Mounting kit;
- Case mounting template;
- TORX wrench;
- Cable gland;
- Installation and initial configuration guide.

2.4 Reset to factory settings

There are two ways to perform a factory reset:

- **Software reset.** In the device web interface, enter "System settings", select "Configuration" and click "Reset to factory default settings".
- **Hardware reset.** Hard reset. To access the reset button, use a screwdriver to remove the screws on the access panel located at the bottom of the device. Then press and hold the reset button until the device restarts.

2.5 Operating conditions

- The camera is designed for indoor and outdoor usage.
- Do not install the device near heat sources.
- Do not expose the device to smoke, dust, water or other liquids. Do not mechanically damage the device.
- Do not open the device case. There are no user-serviceable elements inside the camera.
- At the end of its service life, do not dispose of the camera with normal household waste. Take it to an electronics recycling center.

3 Device installation

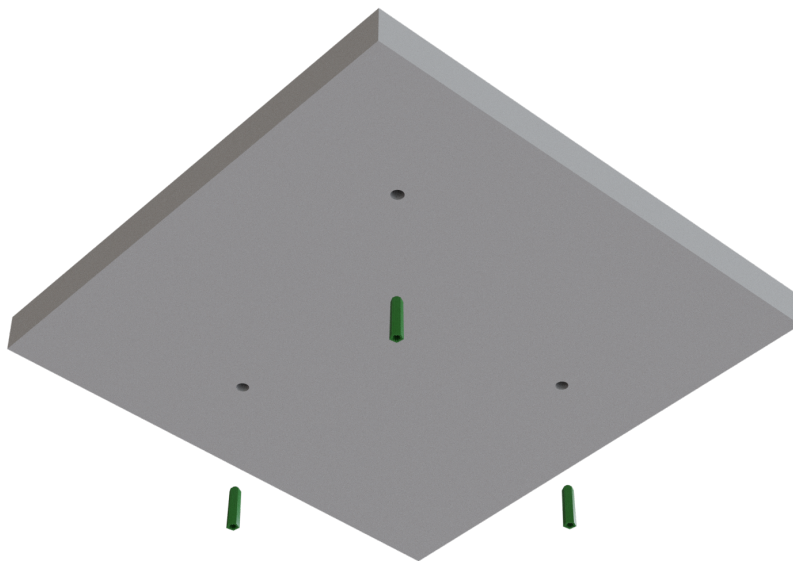
3.1 Selecting the camera location

1. Determine the areas that need to be monitored. Consider that entrance doors, windows, and various objects may obstruct the camera's field of view and reduce it.
2. Pay attention to the lighting where the camera is installed to ensure a clear image. Avoid direct sunlight and other bright light sources directed at the camera lens. Also consider light sources that may create shadows or glare in the image.
3. Consider the location of the power supply. The use of extension cords or additional cables is not recommended, as this may impair the quality of the power supply.

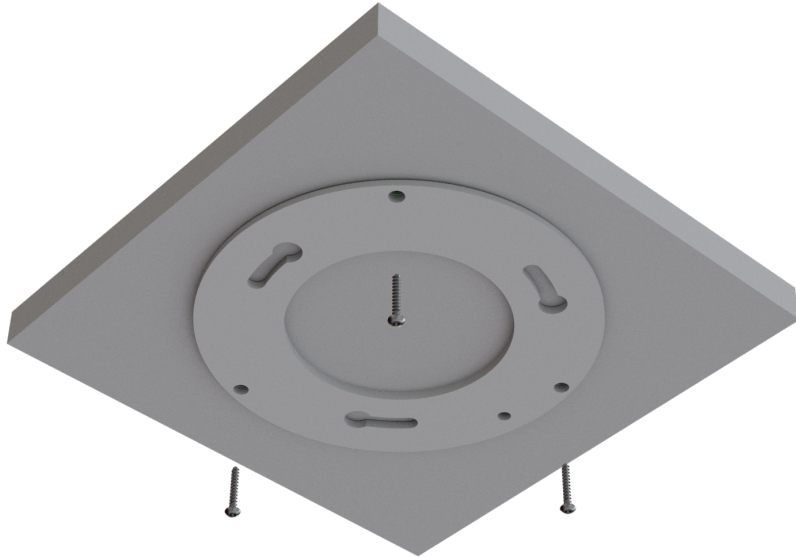
3.2 Mounting using a bracket

✓ The unit can be mounted on walls and ceiling.

1. Select a location for the camera based on the recommendations in the "Selecting a camera location" section.
2. On the selected surface, mark where the four holes for the bracket will be drilled. Use the supplied template for this purpose.
3. Separate the template from the backing and stick it to the wall.
4. Drill four holes according to the template. Use dowels if necessary.



Align the holes on the wall with the holes on the bracket and fix the camera with screws.



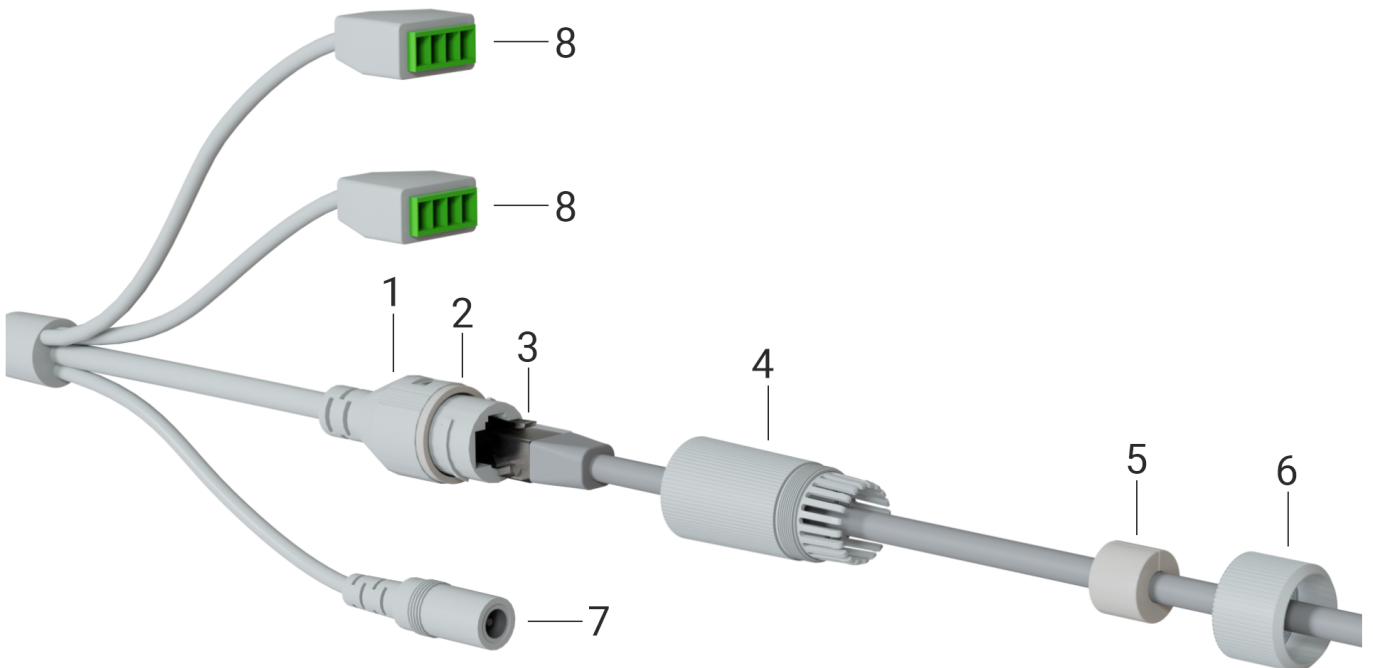
5. Align the slots on the camera base with the tabs on the bracket mounted to the surface. Screw the camera in as far as possible. Make sure the device is securely fastened to the bracket.



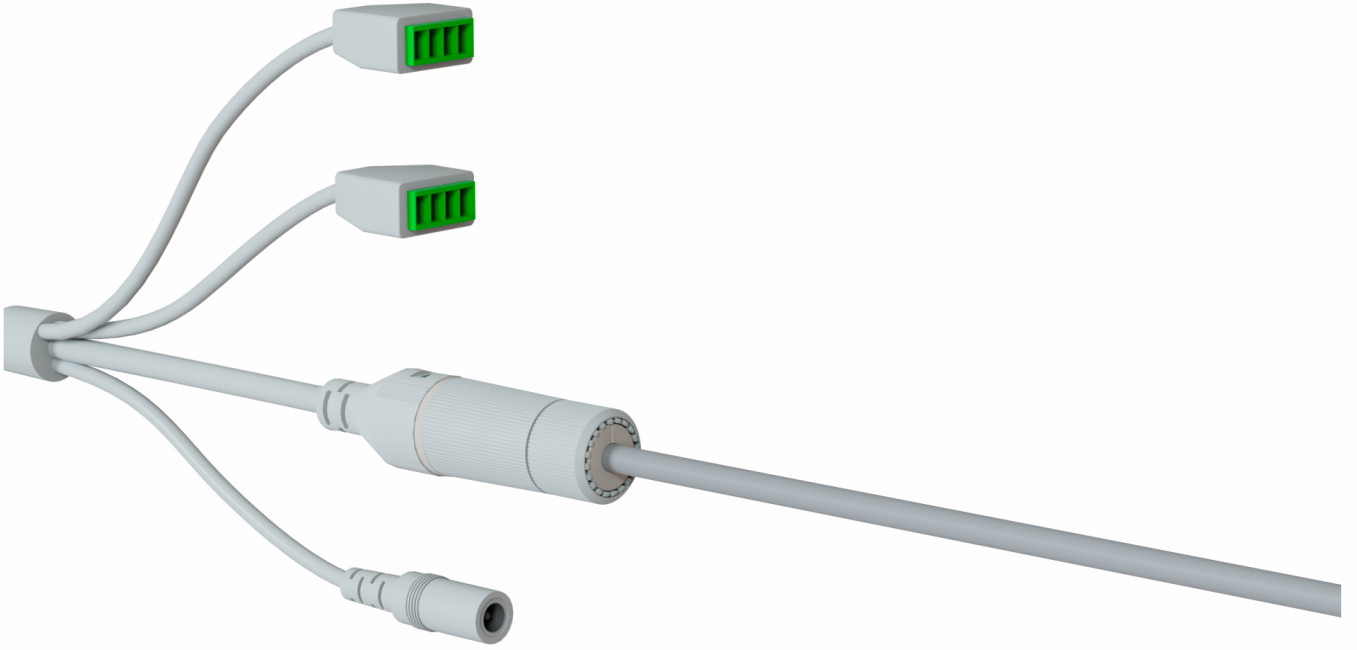
A view of the camera placed on the wall is shown in the figure below.



1. Connect the Ethernet cable as shown in the image below: place the O-ring (2) onto the sealed cap of the network interface (1). Slide the retaining nut (6) and the cable gland (4) onto the Ethernet cable (3). Insert the Ethernet cable (3) into the network interface. Tighten the cable gland (4) and secure it to the sealed cap (1). Place the waterproof ring (5) onto the cable gland (4). Make sure the ring fits snugly against the connector. Tighten the locking nut (6) and secure it to the cable gland (4). After connecting the Ethernet cable and insulating it, connect the power cable to the power connector (7).



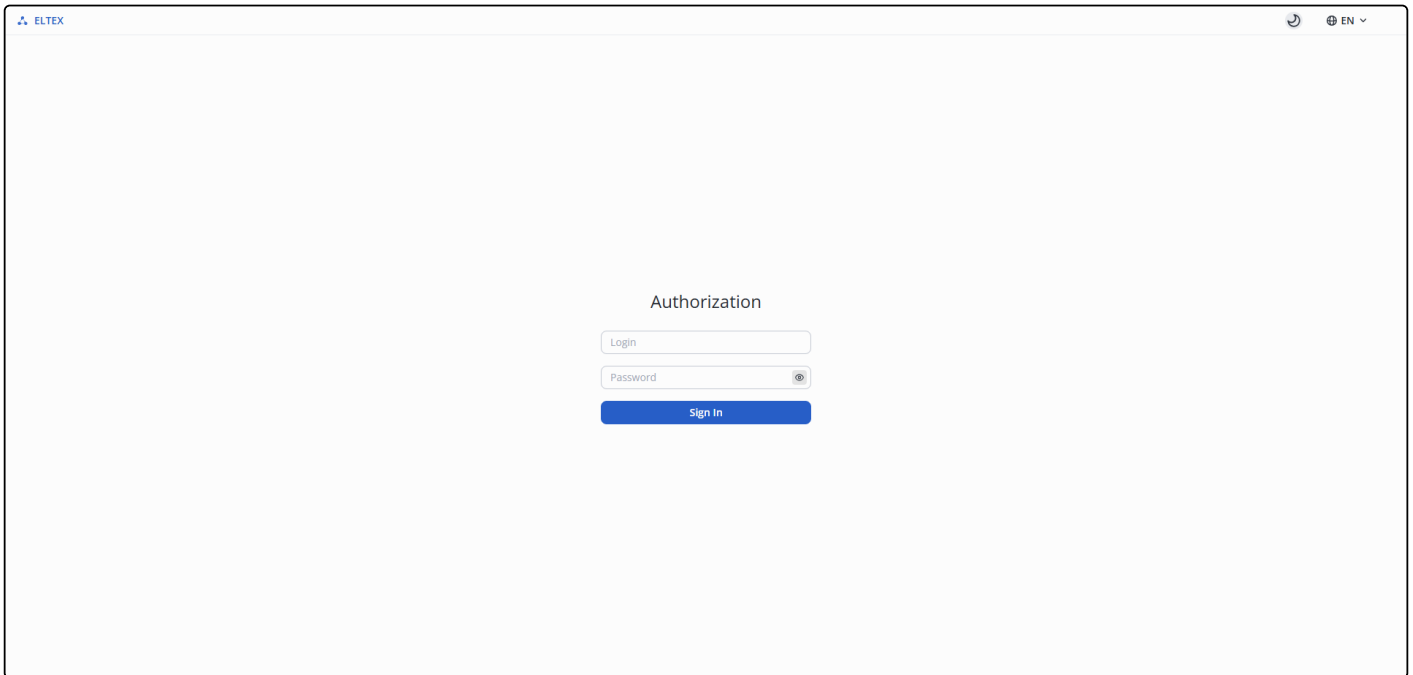
The assembled cable is shown in the figure below.



4 Device management via the web interface

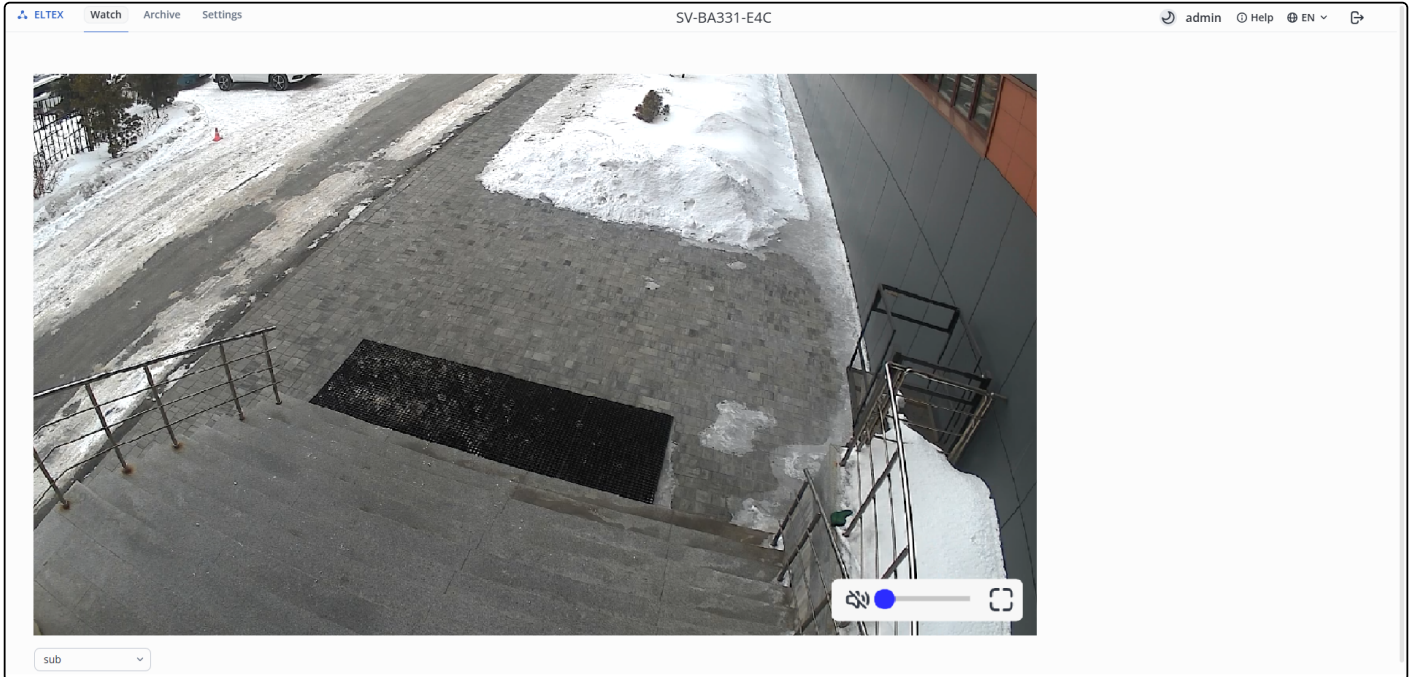
4.1 Getting started

1. Connect the camera to the local network.
2. Open a web browser and enter the device's IP address obtained from the DHCP server in the address bar.
3. The authorization page will be displayed in the browser window. Enter the username and password in the appropriate fields. (By default, the login is admin, the password is password).



4. Click the "Sign in" button. The "Watch" page will open in the browser window.

4.2 "Watch" tab



- **Streams:**
 - *Main* – main stream, has better broadcast quality;
 - *Sub* – secondary stream, has average broadcast quality;
 - *Mob* – mobile stream, has low broadcast quality.

4.3 "Archive" tab

ELTEX Watch Archive Settings SV-BA331-E4C admin Help EN

Session limit was reached. Video unavailable

Filtration

Time from

Time to

Record mode

Event

[Reset filters](#)

Media files

Recording from	Duration	Size, Mb	Record mode	Event	Download
15.05.2026, 16:33:16	00:00:04	2.4	Permanent recording	No	Download

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- **Filtration** – searching for records by specified parameters.
 - *Time from* – filtering media files recorded starting from the specified date and time;
 - *Time to* – filtering media files recorded up to the specified date and time;
 - *Record mode*:
 - *All* – displaying all media files;
 - *Permanent recording* – displaying media files with the "Permanent recording" mode;
 - *Event recording* – displaying media files with the "Event recording" mode.
 - *Event*:
 - *All* – displaying all media files;
 - *Motion* – displaying media files with the "Motion" recording mode.

4.4 "Settings" tab

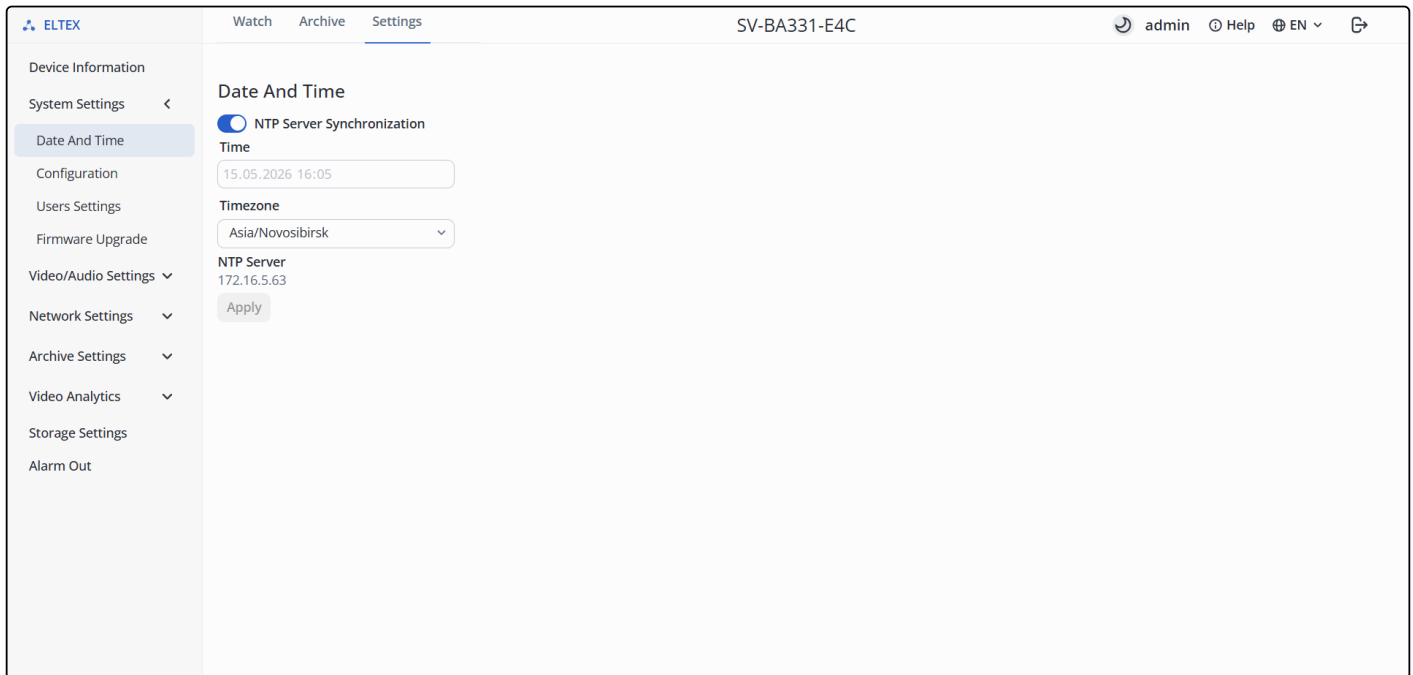
4.4.1 "Device Information" menu



1. Menu tabs – for grouping by categories: **Watch, Archive, Settings**;
2. Web interface theme – dark and light;
3. Username;
4. Web interface help;
5. Web interface language;
6. Logout;
7. Menu items;
8. Device information:
 - *Model* – device model name;
 - *Serial Number* – device serial number;
 - *MAC Address* – device MAC address;
 - *Firmware version* – current device firmware version.

4.4.2 "System Settings" tab

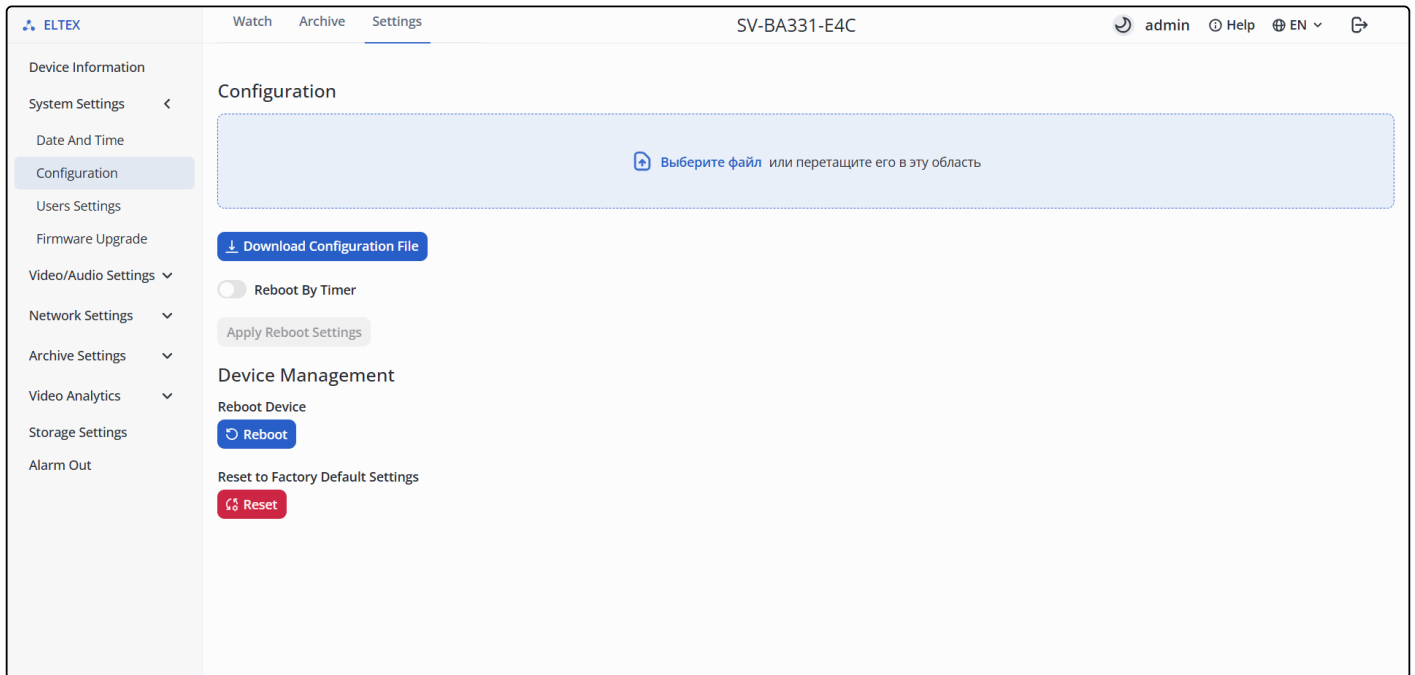
4.4.2.1 "Date And Time"



- *NTP Server Synchronization* – enable NTP synchronization;
- *Timezone* – camera time zone;
- *NTP Server* – NTP server address;
- *NTP Server Synchronization* – enabling NTP synchronization.

To save the settings, click the "Apply" button.

4.4.2.2 "Configuration"



- *Configuration* – section for working with the device configuration:
 - *Load the Device Configuration from a File* – select the file from which the camera will load its configuration;
 - *Save the Device Configuration to a File* – export the device configuration for further use.
- *Reboot By Timer* – section for configuring automatic weekly reboot:
 - *Day* – the day of the week when the reboot will occur;
 - *Time* – the exact time when the reboot will occur.
- *Device Management*:
 - Reboot Device;
 - Reset to Factory Default Settings.

To save the settings, click the "Apply" button.

4.4.2.3 "Users Settings"

The screenshot shows the 'Users Settings' and 'Groups Settings' sections of the ELTEX web interface. The 'Users Settings' section contains a table with the following data:

User Name	Password	Group Name
admin (It is you)	*****	administrator

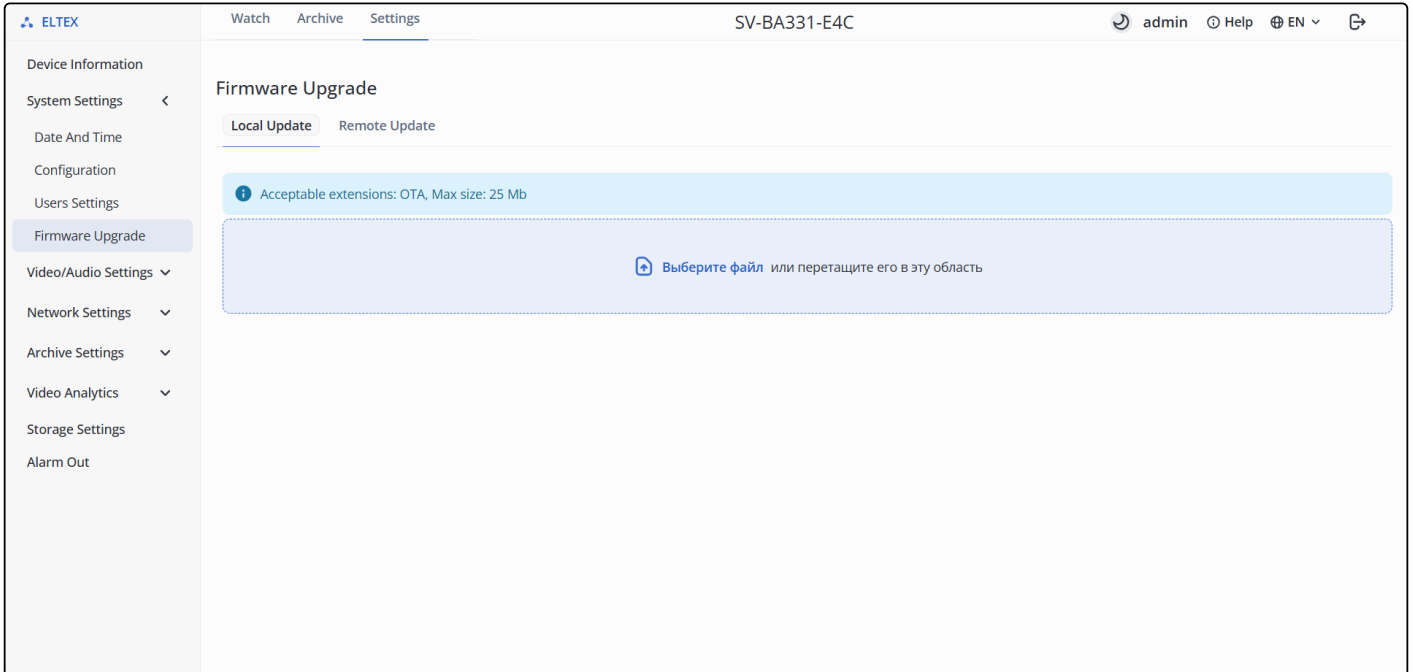
Below the table is a '+ Create' button. The 'Groups Settings' section contains a table with the following data:

Group Name	Allowed pages
administrator	Video Watching, Archive, Device Information, System Settings > Date and Time, System Settings > Configuration, System Settings > Users Settings, System Settings > Firmware Upgrade, Video Settings > Stream Settings, Video Settings > RTSP, Video Settings > Audio Settings, Video Settings > Sensor Settings, Video Settings > OSD Parameters, Network Settings > Network, Network Settings > ONVIF, Network Settings > Additional Settings, Network Settings > System Log, Archive settings > Schedule, Archive settings > Record parameters, Storage Settings, Video Analytics, Alarm Out

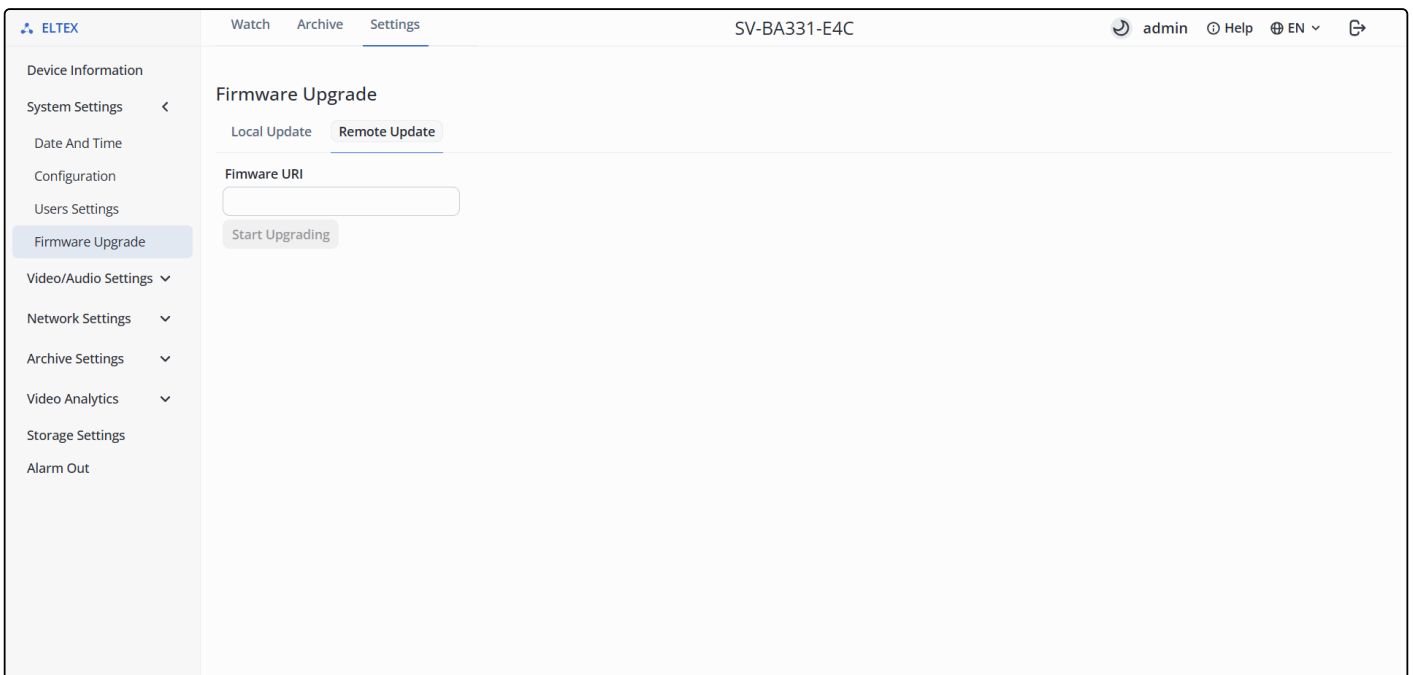
Below the table is a '+ Create' button.

- **Users Settings** – creating a camera user for interaction with the web interface:
 - **User Name** – user login;
 - **Password** – user password;
 - **Group Name** – group with specific access rights;
 - **Actions:**
 - **Edit** – change existing user parameters;
 - **Remove** – delete user.
- **Group Settings** – group and access rights settings:
 - **Group Name** – group name;
 - **Actions:**
 - **Edit** – change existing user parameters;
 - **Remove** – delete group.

4.4.2.4 "Firmware Upgrade"



- *Local Update* – firmware update via a file downloaded to the device.

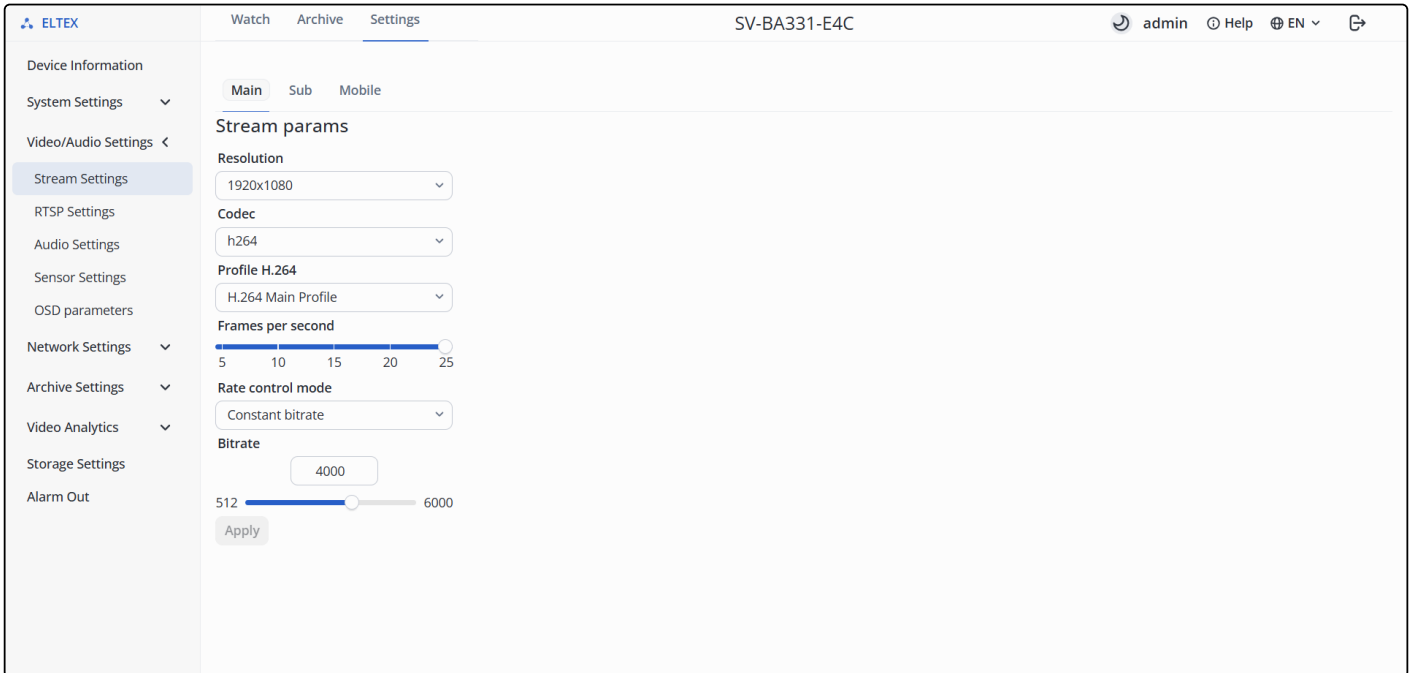


- *Remote update*– URI link from which the camera can download the firmware for updating.

To start the update, press the "Start Upgrading" button.

4.4.3 "Video/Audio Settings"

4.4.3.1 "Stream Settings"



- **Streams:**
 - *Main* – main stream, has the best broadcast quality;
 - *Secondary* – secondary stream, has average broadcast quality;
 - *Mobile* – mobile stream, has low broadcast quality.
- **Stream params:**
 - *Resolution* – selection of the image resolution transmitted from the camera:
 - 1280 × 720;
 - 1920 × 1080;
 - 2560 × 1440.
 - *Codec* – selection of the video compression standard:
 - H.264;
 - H.265.
 - *Frames per second* – number of frames that will be transmitted per second. The maximum frequency is 25 frames per second;
 - *Rate control mode* – stream encoding mode:
 - *Constant bitrate* – mode in which the stream has a constant bitrate set in the "Bitrate" field;
 - *Variable bitrate* – mode in which the stream has a variable bitrate. The bitrate varies with the complexity of the image but does not exceed the "Maximum bitrate" value and on average adheres to the "Bitrate" value.
 - *Bitrate* – amount of information transmitted by the camera. Increasing this parameter proportionally increases the quality of the transmitted image. Maximum bitrate – 6000 kbps.

To save the settings, click the "Apply" button.

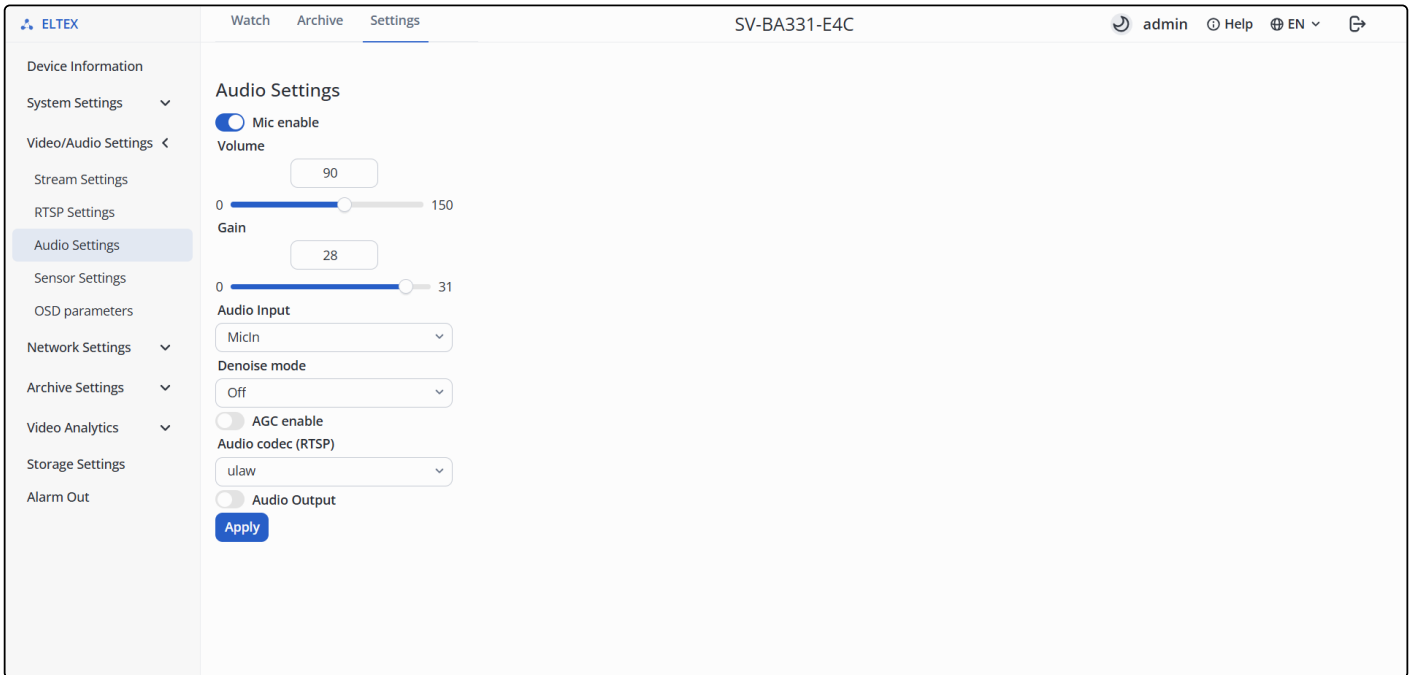
4.4.3.2 "RTSP Settings"

The screenshot shows the 'RTSP Settings' page for an ELTEX SV-BA331-E4C camera. The interface includes a left sidebar with navigation options like 'Device Information', 'System Settings', 'Video/Audio Settings', 'Stream Settings', 'RTSP Settings' (selected), 'Audio Settings', 'Sensor Settings', 'OSD parameters', 'Network Settings', 'Archive Settings', 'Video Analytics', 'Storage Settings', and 'Alarm Out'. The main content area is titled 'Settings' and has tabs for 'Main', 'Sub', and 'Mobile'. Under 'Stream params', there are two checked radio buttons for 'Enable Stream' and 'Enable Audio', and a 'Stream URL' field containing 'rtsp://127.0.0.1:554/main'. Under 'Common params', there are input fields for 'Login', 'Password', and 'Port' (with '554' entered), and an 'Apply' button.

- **Streams:**
 - *Main* – main stream, has the best broadcast quality;
 - *Secondary* – secondary stream, has average broadcast quality;
 - *Mobile* – mobile stream, has low broadcast quality.
- **Stream params** – section for configuring RTSP streaming:
 - *Enabled* – enable and disable the stream;
 - *Audio* – enable and disable audio in the stream;
 - *Stream URL* – link to the selected stream considering the fields "Login", "Password", and "Port" in the "Common params" section;
- **Common params:**
 - *Login* – username up to 63 characters in Latin alphabet and numbers;
 - *Password* – user password up to 63 characters in Latin alphabet and numbers;
 - *Port* – port through which the stream can be obtained from the RTSP server.

To save the settings, click the "Apply" button.

4.4.3.3 "Audio Settings"



- **Mic enable** – enabling and disabling the microphone;
- **Volume** – microphone volume. Maximum value – 150 dB;
- **Gain** – microphone volume gain. Maximum value – 31 dB;
- **Denoise mode**:
 - **Off** – noise damping off;
 - **Low** – low noise damping;
 - **Medium** – medium noise damping;
 - **High** – high noise damping;
 - **Max** – maximum noise damping.
- **AGC enable**:
 - **Volume** – automatic microphone gain volume;
 - **Gain** – microphone volume gain.
- **Audio codec (RTSP)** – selection of audio compression standard:
 - *raw*;
 - *alaw*;
 - *ulaw*;
 - *aac*.

To save the settings, click the "Apply" button.

4.4.3.4 "Sensor Settings"



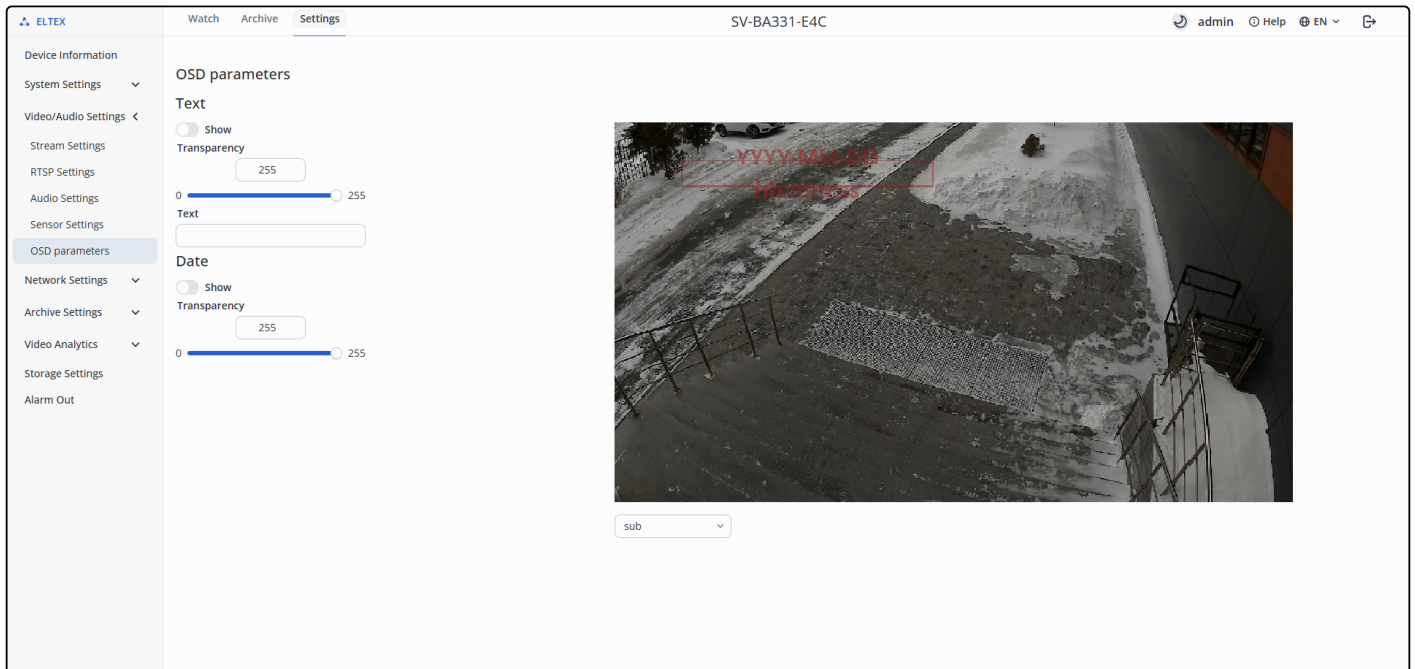
- **IR settings:**
 - *IR brightness*;
 - *Enable IR*:
 - off;
 - on;
 - auto.
 - *Day&Night* – selection of infrared illumination mode:
 - *Auto* – automatic switching between day and night mode based on light level;
 - *Day* – infrared illumination is always off;
 - *Night* – infrared illumination is always on.
- **Image settings:**
 - *Contrast* – image contrast. It is possible to set a value in the range from 0 to 255. The default value is 128;
 - *Sharpness* – image sharpness. It is possible to set a value in the range from 0 to 255. The default value is 90;
 - *Saturation* – image saturation. It is possible to set a value in the range from 0 to 255. The default value is 128;
 - *Brightness* – image brightness. It is possible to set a value in the range from 0 to 255. The default value is 128;
 - *White balance* – used to adjust the color temperature depending on the environment:
 - *auto* – automatic configuration;
 - *day* – daylight;
 - *cloud* – cloudy;
 - *inc* – incandescent lamp;
 - *fluo* – fluorescent light;
 - *twi* – twilight;
 - *shade* – shade;
 - *warm_fluo* – warm fluorescent light.

- **Image orientation** – camera image management:
 - *Default* – camera transmits the image as the user sees it with their own eyes;
 - *Vertical Flip* – image is reflected along the vertical axis;
 - *Horizontal Flip* – image is reflected along the horizontal axis;
 - *180 Rotation* – image is reflected vertically and horizontally, thus providing an image as in "Standard" mode for a physically inverted camera.

- **Image enhancement:**
 - *Antiflicker* – compensation for lamp flicker from power grids of different frequencies:
 - off;
 - 50 Hz;
 - 60 Hz.
 - *Backlight compensation* – elimination of darkening when the object is against a bright light source. It is possible to set a value in the range from 0 to 10;
 - *2D Denoiser* – noise damping in each frame by analyzing neighboring pixels. It is possible to set a value in the range from 0 to 255. Default value – 128;
 - *3D Denoiser* – noise damping by analyzing both neighboring pixels and changes between frames. It is possible to set a value in the range from 0 to 255. Default value – 128;
 - *Defog* – increasing image clarity and contrast in poor visibility conditions caused by fog or haze:
 - *Strength* – it is possible to set a value in the range from 0 to 255.
- **DWDR:**

- *Enable WDR* – improving image visibility with any lighting level fluctuations:
 - *Strength* – degree of brightening dark areas. It is possible to set a value in the range from 0 to 255;
 - *Highlight* – degree of suppression of bright areas. It is possible to set a value in the range from 0 to 10.

4.4.3.5 "OSD parameters"



- *OSD* – On-Screen Display, text displayed on the screen;
 - *Text*:
 - *Show* – enable the display of user text;
 - *Transparency* – transparency of the displayed text. It is possible to set a value in the range from 0 to 255;
 - *Text* – field for entering text to display.
 - *Date*:
 - *Show* – enable the display of the date;
 - *Transparency* – transparency of the displayed date. It is possible to set a value in the range from 0 to 255.

4.4.4 "Network Settings" menu

4.4.4.1 "Network"

The screenshot shows the web interface for the ELTEX SV-BA331-E4C IP camera. The top navigation bar includes 'Watch', 'Archive', and 'Settings' tabs, with 'Settings' selected. The user is logged in as 'admin'. The left sidebar contains a menu with categories: Device Information, System Settings, Video/Audio Settings, Network Settings (selected), ONVIF Settings, Additional Settings, System Log, Archive Settings, Video Analytics, Storage Settings, and Alarm Out. The 'Network Settings' section is active, displaying the following fields:

- Mode:** A dropdown menu set to 'Auto'.
- IP Address:** A text input field containing '192.168.1.123'.
- Network Mask:** A dropdown menu set to '255.255.255.0'.
- Dns List:** A '+' button to add DNS servers.
- Default Gateway:** An empty text input field.
- Apply:** A button to save the settings.

- **Mode:**
 - *Auto* – obtaining all settings via DHCP;
 - *Manual* – setting all network parameters manually:
 - *IP Address*;
 - *Network Mask*;
 - *Dns List* – addresses of DNS servers;
 - *+* – adding a backup DNS server;
 - *Default Gateway*.

To save the settings, click the "Apply" button.

4.4.4.2 "ONVIF Settings"

The screenshot shows the ONVIF Settings page for the SV-BA331-E4C camera. The interface includes a sidebar with navigation options like Device Information, System Settings, Video/Audio Settings, Network Settings, and ONVIF Settings. The main content area displays the ONVIF Settings, which are currently enabled. A message indicates that ports 23, 80, 443, 554, 1000, 6667, 6969, 8090, 8091, 8092, 8093, 9987, and 9988 are reserved by the system. The 'Port' field is set to 1000. Below this, there is a 'Users' table with columns for Login, Password, and Rights. The table contains one user named 'Admin' with a password field and 'Administrator' rights. There are '+ Add' and 'Apply' buttons at the bottom of the settings area.

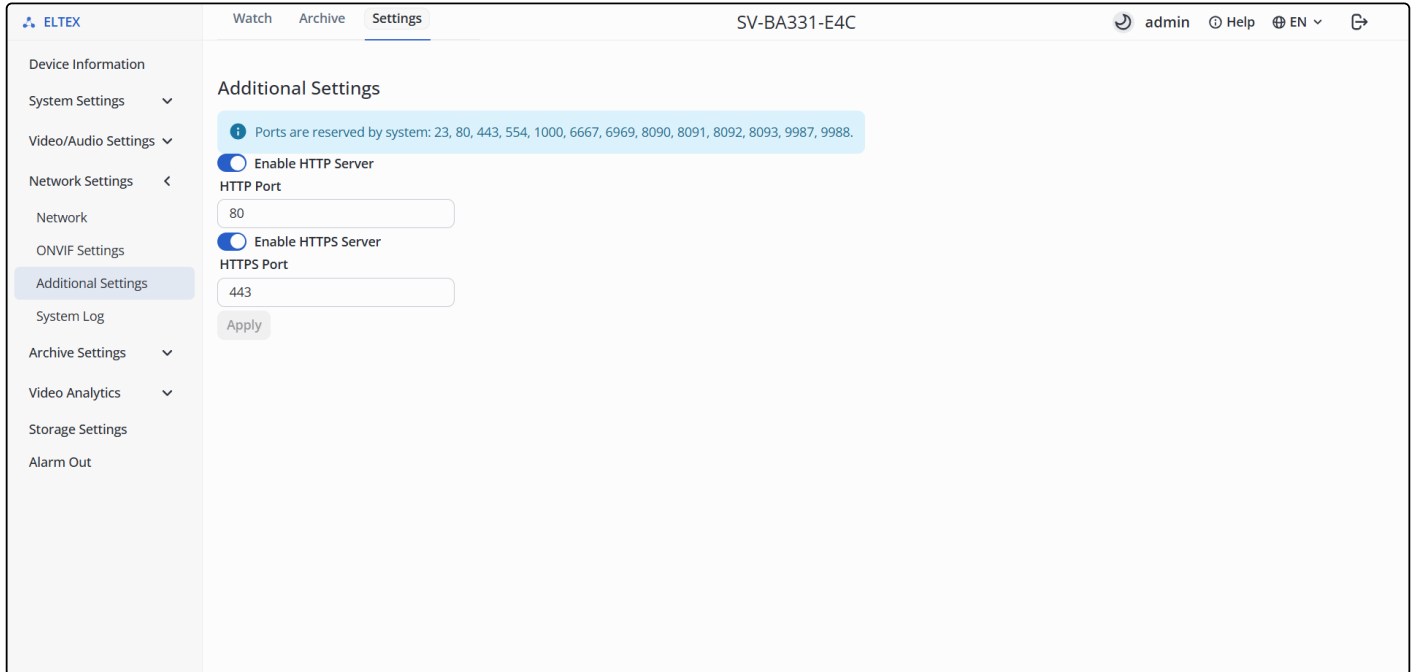
- *Enabled* – enabling the ONVIF protocol;
- *Port* – port through which the camera will interact with control systems via the ONVIF protocol. By default, port 1000 is used;

⚠ When configuring ports, it is necessary to pay attention to the ports reserved by the system to avoid port conflicts. Ports reserved by the system: 23, 80, 443, 554, 1000, 6667, 6969, 8090, 8091, 8092, 8093, 9987, 9988.

- *Users* – creating users with specific access rights:
 - *Login* – user login;
 - *Password* – user password;
 - *Rights* – user access level:
 - *Administrator* – full access to all device functions;
 - *Operator* – access to basic device functions. Cannot change settings or manage users;
 - *Media user* – limited access (view only). No rights to change configuration;
 - *Anonymous* – minimal rights (if allowed in settings). Usually view only without authorization.

To save the settings, click the "Apply" button.

4.4.4.3 "Additional Settings"



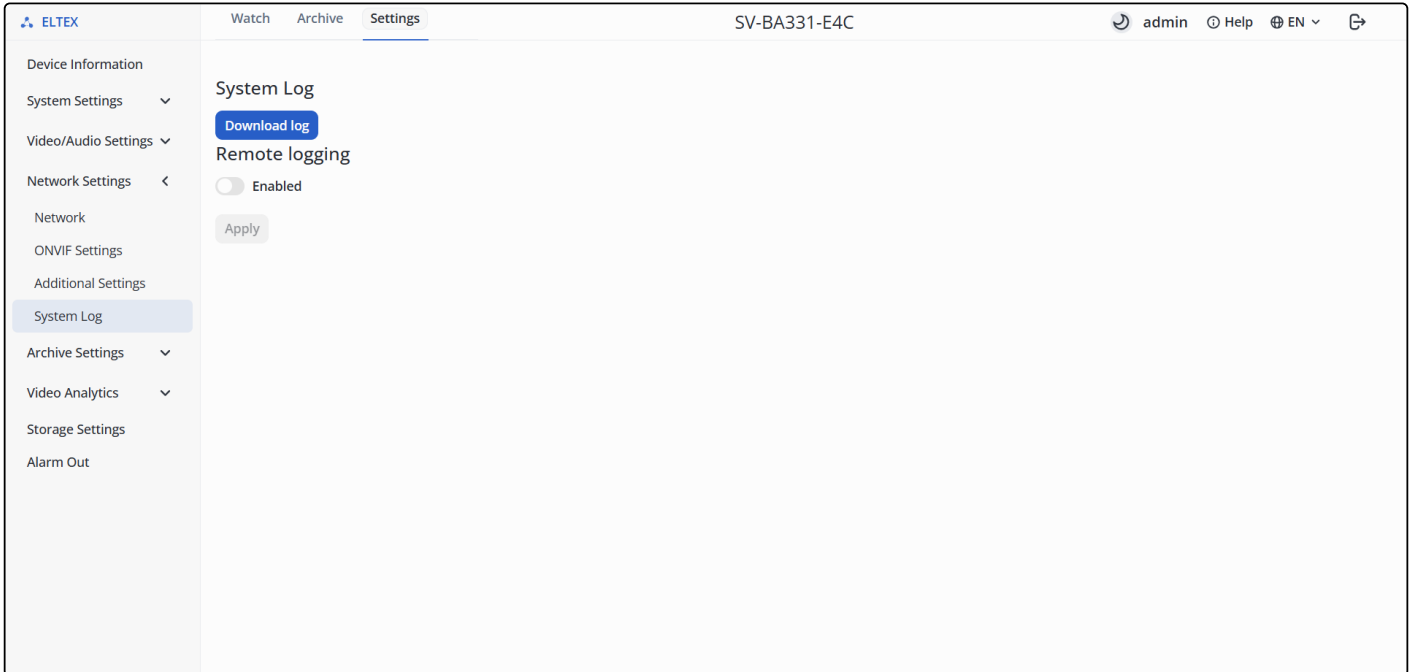
- *Enable HTTP Server* – access to the camera's web interface via the HTTP protocol;
- *HTTP Port* – port through which interaction with the camera's web interface via the HTTP protocol will be carried out. By default, port 80 is used;

⚠ When configuring ports, it is necessary to pay attention to the ports reserved by the system to avoid port conflicts. Ports reserved by the system: 23, 80, 443, 554, 1000, 8090, 8091, 8092, 8093.

- *Enable HTTPS Server* – access to the camera's web interface via the HTTPS protocol;
- *HTTPS Port* – port through which interaction with the camera's web interface via the HTTPS protocol will be carried out. By default, port 443 is used.

To save the settings, click the "Apply" button.

4.4.4.4 "System Log"



- *Download log* – download system log;
- *Remote logging* – section for configuring logs to a remote server:
 - *Syslog server* – address of the remote syslog server.

To save the settings, click the "Apply" button.

4.4.5 "Archive Settings" menu

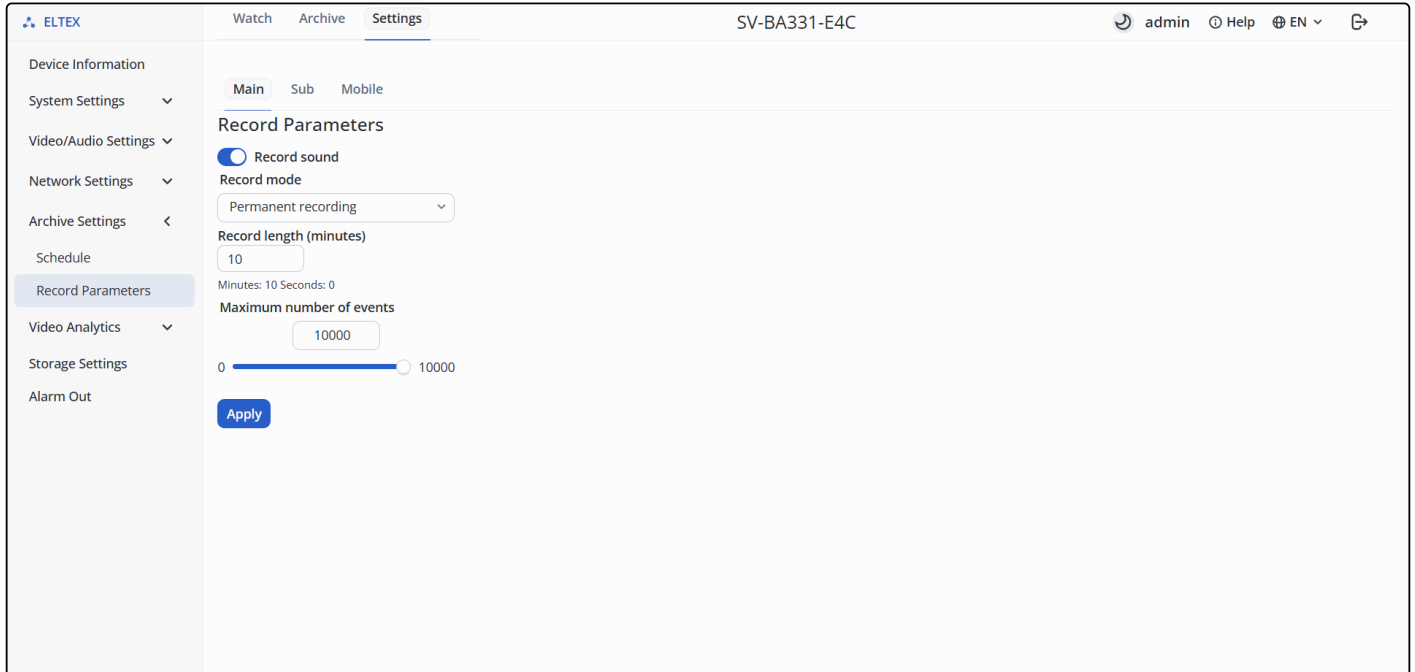
4.4.5.1 "Schedule"

The screenshot shows the 'Schedule' configuration page for the SV-BA331-E4C camera. The interface includes a left sidebar with navigation options: Device Information, System Settings, Video/Audio Settings, Network Settings, Archive Settings, Schedule (selected), Record Parameters, Video Analytics, Storage Settings, and Alarm Out. The main content area shows a grid for each day of the week (Monday through Sunday). Each day has a horizontal bar representing 24 hours, with each hour labeled from 0 to 24. All hours are currently filled with blue, indicating that recording is enabled for the entire 24 hours of every day. A legend at the bottom indicates that blue represents '- Record on' and grey represents '- Record off'.

- *Schedule* – setting the period during which the camera will record. To select the necessary intervals, highlight them by clicking the left mouse button.

To save the settings, click the "Apply" button.

4.4.5.2 "Record Parameters"



- *Record sound* – enable/disable the microphone during recording.
- *Record mode*:
 - *Permanent recording* – video recording is permanent;
 - *Event recording* – video recording occurs only when an event is detected;
 - *Off* – video recording is not conducted.
- *Maximum number of events* – saving a set number of events to a MicroSD card. If the number of events is exceeded, old recordings will be overwritten. It is possible to set a value in the range from 0 to 10000;

To save the settings, click the "Apply" button.

4.4.6 "Video Analytics" menu

⚠ Only one video analytics feature can be used simultaneously. Trying to enable a second video analytics feature will disable the first one.

4.4.6.1 "Motion detection"

- **Motion detection:**
 - *Enable* – enable/disable video analytics for **Motion detection**.
 - *Detection sensitivity* – parameter that controls the sensitivity of motion detection. Sensitivity values range from 0 to 4; the higher the value, the smaller the objects that will be detected.
 - *Skip frames* – parameter that determines how many intermediate frames the algorithm skips between scene analysis points. During scene analysis, every n frame will be used, where n can range from 0 to 10.
- **Detection area type:**
 - *Grid* – type of detection area consisting of cells;
 - *Select all* – selects all cells on the screen;
 - *Clean all* – deselects all cells on the screen;
 - *Number of cells on the x-axis* – number of cells along the horizontal axis;
 - *Number of cells on the y-axis* – number of cells on the vertical axis.
 - *Rectangle* – type of detection area consisting of arbitrary rectangles.

To select a cell in the preview, click the left mouse button. To deselect it, click the right mouse button.

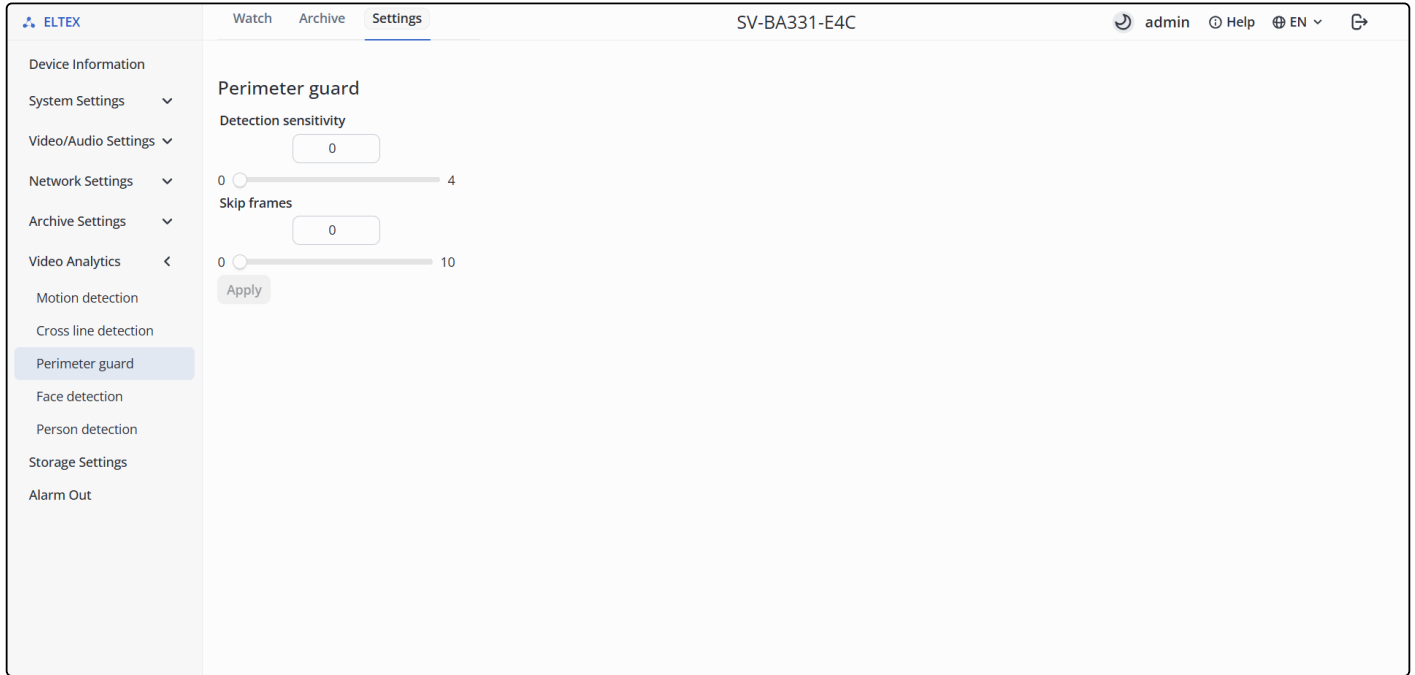
To save the settings, click the "Apply" button.

4.4.6.2 "Cross line detection"



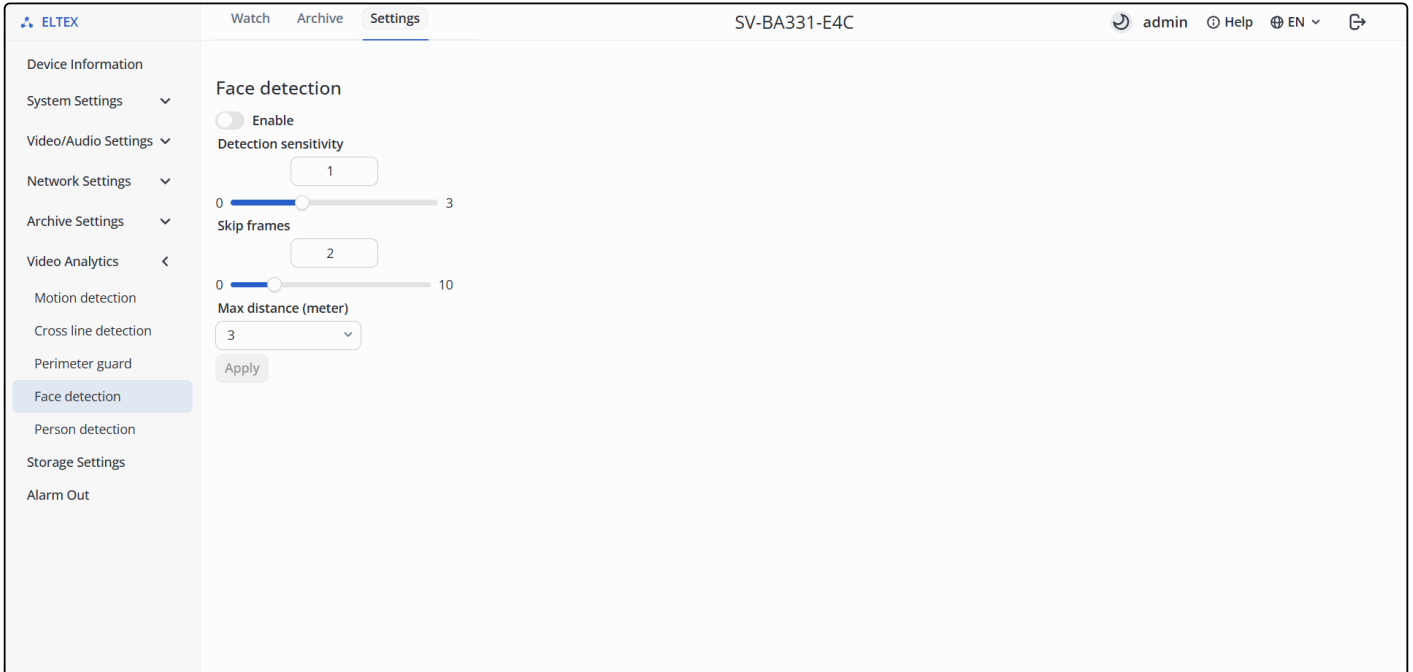
Support for the **Cross line detection** video analytics feature is currently under development.

4.4.6.3 "Perimeter guard"



Support for **Perimeter guard** video analytics is currently under development.

4.4.6.4 "Face detection"



- *Enable* – enable/disable video analytics for **Face detection**
- *Detection sensitivity* – parameter that controls the sensitivity of face detection. Sensitivity values range from 0 to 3; the higher the value, the smaller the objects that will be detected;
- *Skip frames* – parameter that determines how many intermediate frames the algorithm skips between scene analysis points. During scene analysis, every n frame will be used, where n can range from 0 to 10.
- *Max distance (meter)* – maximum distance at which face detection will work; this parameter is specified in meters.

To save the settings, click the "Apply" button.

4.4.6.5 "Person detection"

- **Person detection:**
 - *Enable* – enable/disable video analytics for **Person detection**
 - *Detection sensitivity* – parameter that controls the sensitivity of person detection. Sensitivity values range from 0 to 4; the higher the value, the smaller the objects that will be detected.
 - *Skip frames* – parameter that determines how many intermediate frames the algorithm skips between scene analysis points. During scene analysis, every n frame will be used, where n can range from 0 to 10.
- **Detection area type:**
 - *Polygon* – type of detection area consisting of an arbitrary polygon;
 - *Rectangle* – type of detection area consisting of arbitrary rectangles.
 - *Full screen* – detection area that covers the entire screen.

To save the settings, click the "Apply" button.

4.4.7 "Storage Settings" menu

- *Erase* – formatting the MicroSD card for archive recording;
- *Enable record loop* – when the storage is full, old recordings will be overwritten with new ones.
- *Percentage of storage space allocated for video recordings, %* – indicates what part of the total storage volume will be used for storing video. It is possible to set a value in the range from 0 to 100;
- *Percentage of volume for event recordings (from the allocated volume for video recordings), %* – indicates how much space from this volume will be allocated for event recordings. It is possible to set a value in the range from 0 to 100;

- ✓ When recording two streams with different recording modes, the storage volume is divided according to the set parameters.

To save the settings, click the "Apply" button.

TECHNICAL SUPPORT

For technical assistance in issues related to handling Eltex Ltd. equipment, please, address to Service Center of the company:

<https://eltex-co.com/support/>

You are welcome to visit Eltex official website to get the relevant technical documentation and software, to use our knowledge base or consult a Service Center Specialist.

<https://eltex-co.com/>

<https://eltex-co.com/support/downloads/>