

REDSCAN PRO



Laser Scan Detector RLS-50100V RLS-3060V

Setting guide (Ver. 1.x.x)

Support browser: Chrome (running on Windows 10, Mac, Android)

Table of contents

1. Initial configuration
1-1. Configure root password 2
1-2. Sign in 2
1-3. Select Language 3
1-4. Configure IP address 3
1-5. Select power line frequency 4
1-6. Adjust the mounting position
1-7. Detection
2. Display
2-1. Home view
2-2. Status display11
2-3. Setting display
3. ONVIF settings
3-1. To use ONVIF
3-2. ONVIF menu on Profile 1 and 2 14
3-3. ONVIF menu on Advanced settings
4. Settings
4-1. Detection range
4-2. Detection profile 1
4-2-1. Detection area
4-2-2. Masking/ Allocating20
4-2-3. Detection
4-2-4. Detection advanced
4-2-5. Output terminals
4-2-6. ONVIF digital inputs
4-2-7. ONVIF motion alarm
4-2-8. Detection profile copy
4-3. Detection profile 2
4-4. Event code
4-5. View
4-5-1. Laser
4-5-2. Video
4-5-3 Menu 21

4-6. Date and times	32
4-7. Network	
4-7-1. TCP/IP Basic	32
4-7-2. TCP/IP Advanced	33
4-7-3. SNMP	33
4-8. Maintenance	
4-8-1. System	34
4-8-2. Logs	34
4-8-3. Import/ Export	35
4-9. Information	
4-9-1. Product information	35
4-9-2. Installation information	36
. Advanced settings	
5-1. Menu view	37
5-2. Input terminal	38
5-3. Laser settings	38
5-4. Camera settings	
5-4-1. Image adjustment	39
5-4-2. Privacy mask	40
5-4-3. Notify abnormality	41
5-5. ONVIF media profile	
5-5-1. H.264 Encoding	41
5-5-2. JPEG Encoding	42
5-6. Event log	
5-6-1. Record	42
5-6-2. Play	43
5-7. Security	
5-7-1. User Management	44
5-7-2. ONVIF User Management	45
5-7-3. Certificates	46
5-7-4. HTTPS	46

Configure root password

The password for the administrator **"root"** must be changed before the product can be used.

Password:

Confirm password:

The password must be 8 characters or more, and should be set with a combination of 2 or more types of numbers, uppercase letters, lowercase letters, and symbols.

OK

1-1. Configure root password

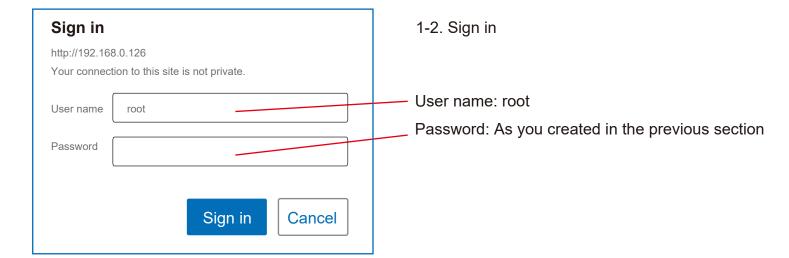
Available:

Alphabets [A to Z.] Numbers [0 to 9] Symbols [! " # \$ % & ' () * + , - . / : ; < = > ? @ []^_`{|}~ space]

Root password

"Root password" is used for the authorization of the administrator.

It must be configured before starting the settings through this software.



	RLS-50100V 1.x.x (xxx/xx/xx)	?
Please select	a language.	
English V		
Next		

1-3. Select Language

Select language to be used in this software.

Default: English

	RLS-50100V 1.x.x (xxx/xx/xx)
Please config	gure IP address.
Configuration Sta	tic V
IP address 192.168	. 0. 126
Subnet mask 255.2	255.255.0
Default gateway 19	02.168.0.1
Save & Re	eboot Next

1-4. Configure IP address

Configure the IP address of the gear running this software.

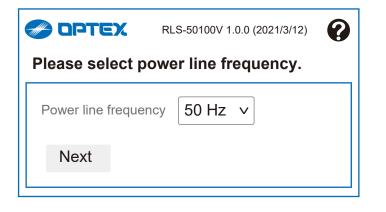
Configuration: [static, DHCP] IP address: *default 192. 168.0.126* Subnet mask: *default 255.255.255.0* Default gateway: *default 192.168.0.1*

Next: Go to next item *without* any changing.

Save & Reboot: Save the changing, and reboot automatically.

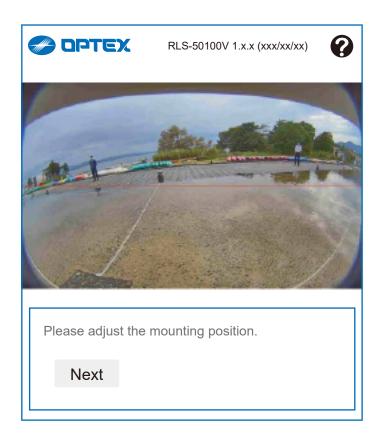
RLS-50100V 1.0.0 (2021/3/12)	0
Please configure IP address.	
Configuration Static Y Running	
IP address 192.16 Detector restarting	
Default gateway 192.168.0.1	
Save & Reboot Next	

Wait for the reading the settings



1-5. Select power line frequency

Select power line frequency [50 Hz, 60 Hz]

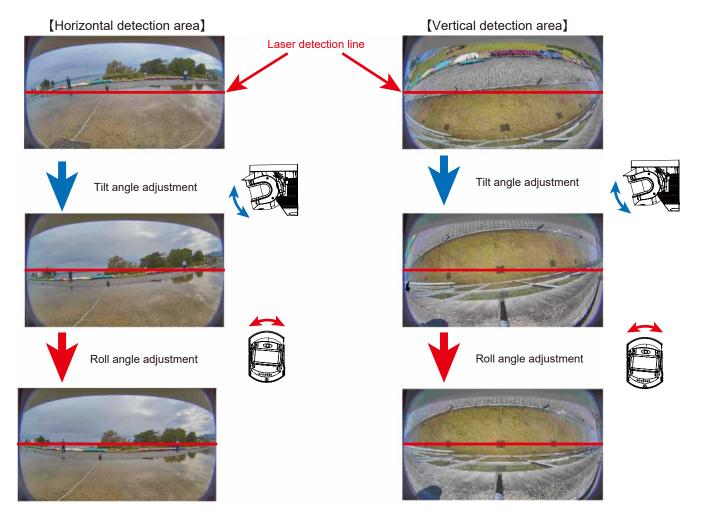


1-6. Adjust the mounting position.

Adjust the mounting position while checking the camera image.

Refer to the following pages for the procedure.

Adjusting with image checking

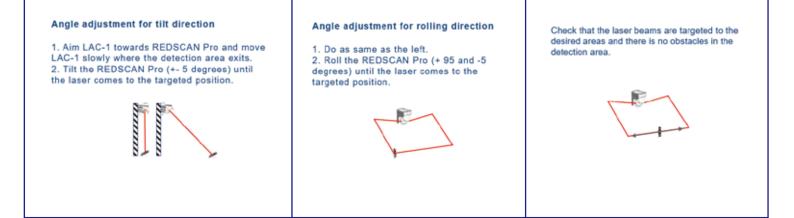


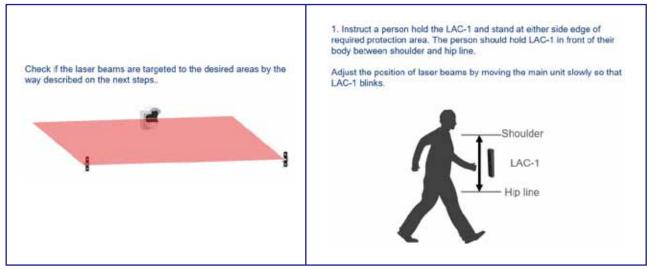
Angle Adjustment (Vertical detection area)

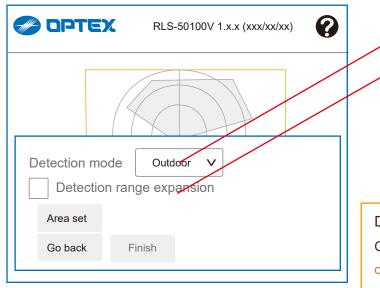


A fine angle adjustment with LAC-1

Adjust the position of laser path with LAC-1 which provides LED and sound when it receive infrared beams to secure required detection area.







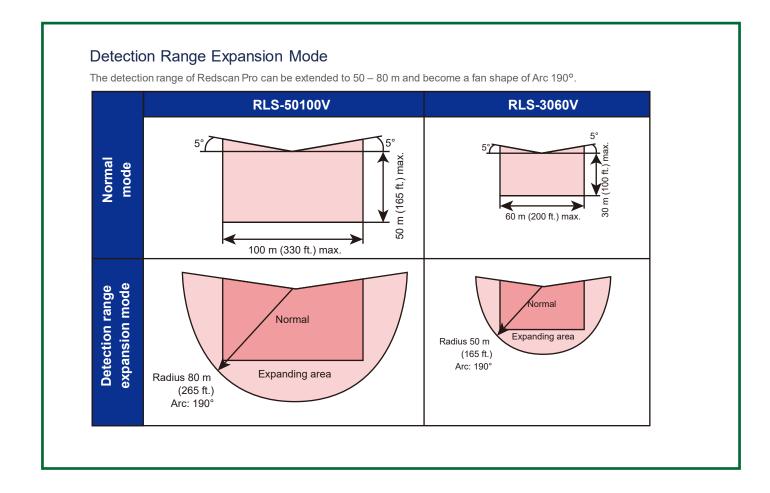
1-7. Detection

Detection mode: [Outdoor, Indoor] Detection range expansion: -> See the column below for details Area set Go back Finish

Detection mode

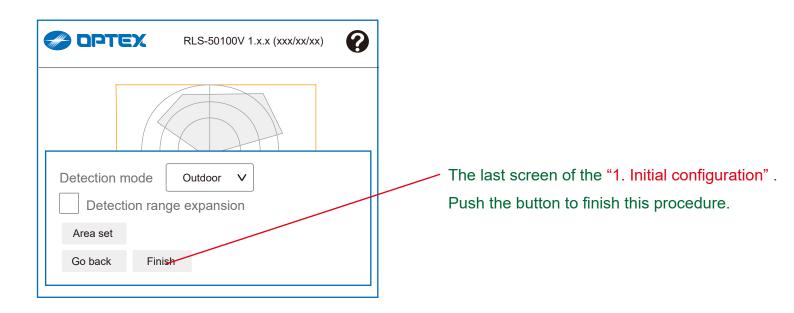
Outdoor Mode: This option can be selected for general outdoor applications. In this mode, the special algorithm works to reduce false alarms caused by weather conditions (e.g. rain, snow or fog). In order to reduce false alarms under harsh environment, the Environmental Resistance function is available.

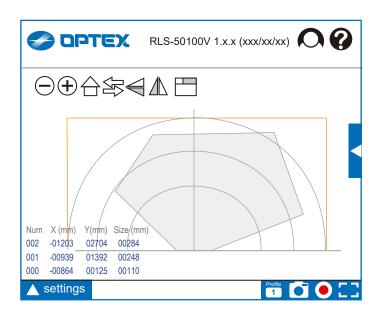
Indoor Mode: For general indoor applications. In this mode, Environmental Resistance and DQ Output are disabled.



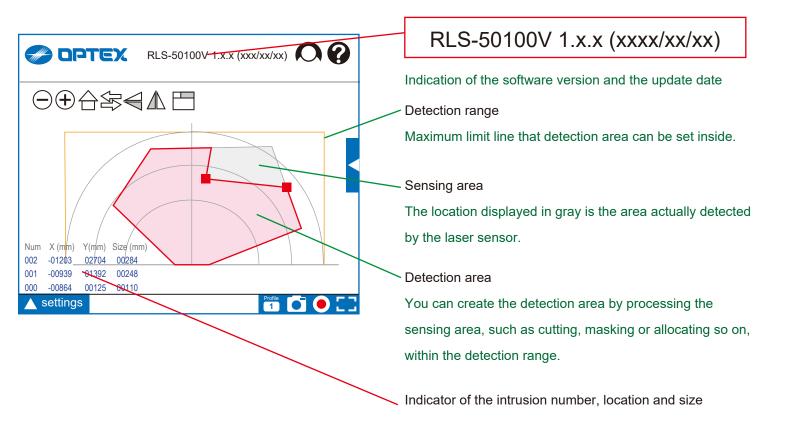
7

	Detection range expansion Detection range expansion
Detection mode Outdoor V Detection range expansion Area set Go back Finish	Area set Start the area scanning and then setting. Click to pop-up open the confirmation window, and start the area scanning after OK is clicked. Go back Back to the previous item without an area set.
	 Area setting "Area setting" enables to learn background of the area. The background information is base for decreasing false alarm. * Do not enter the detection area during area setting.
RLS-50100V 1.x.x (xxx/xx/xx)	Area scanning start

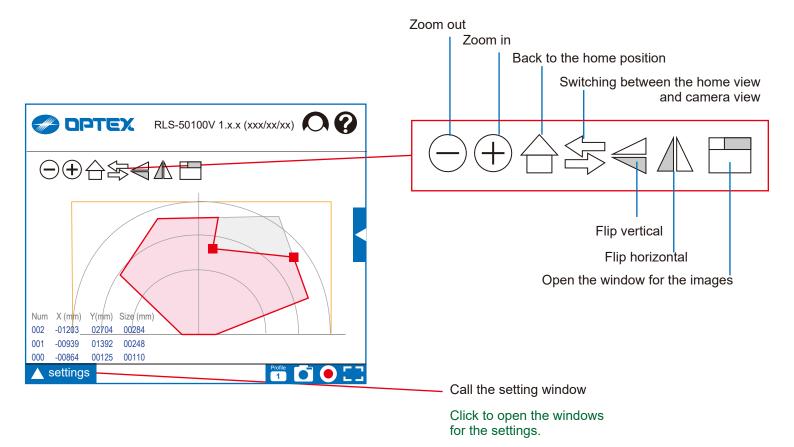


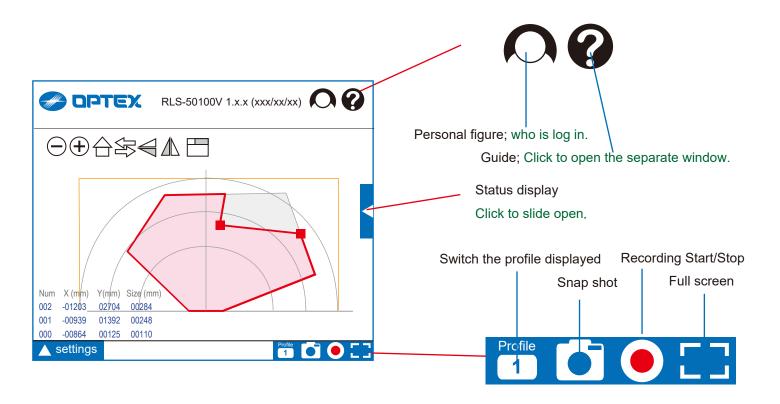


The "Home view" screen appears after the "1. Initial configuration" process has been completed.

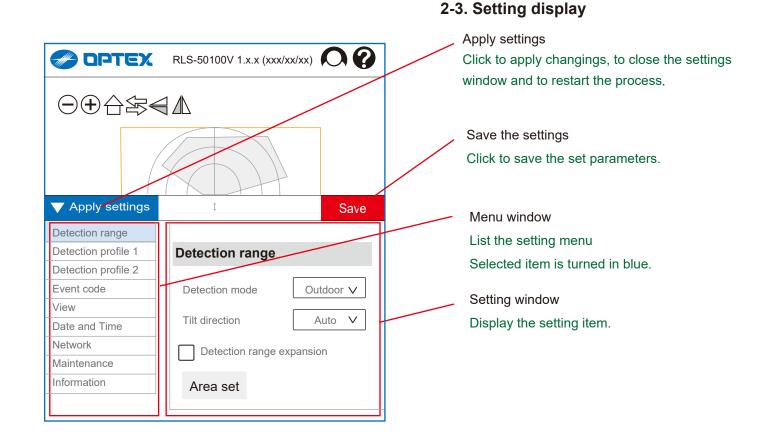


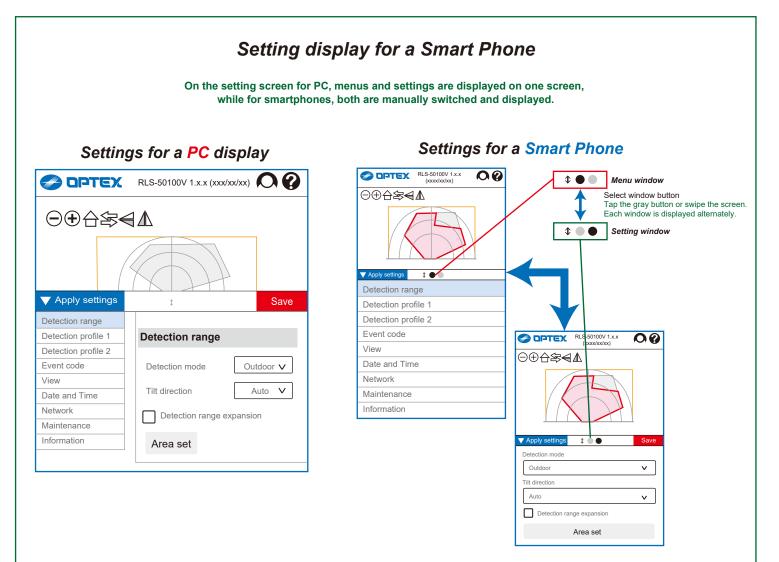






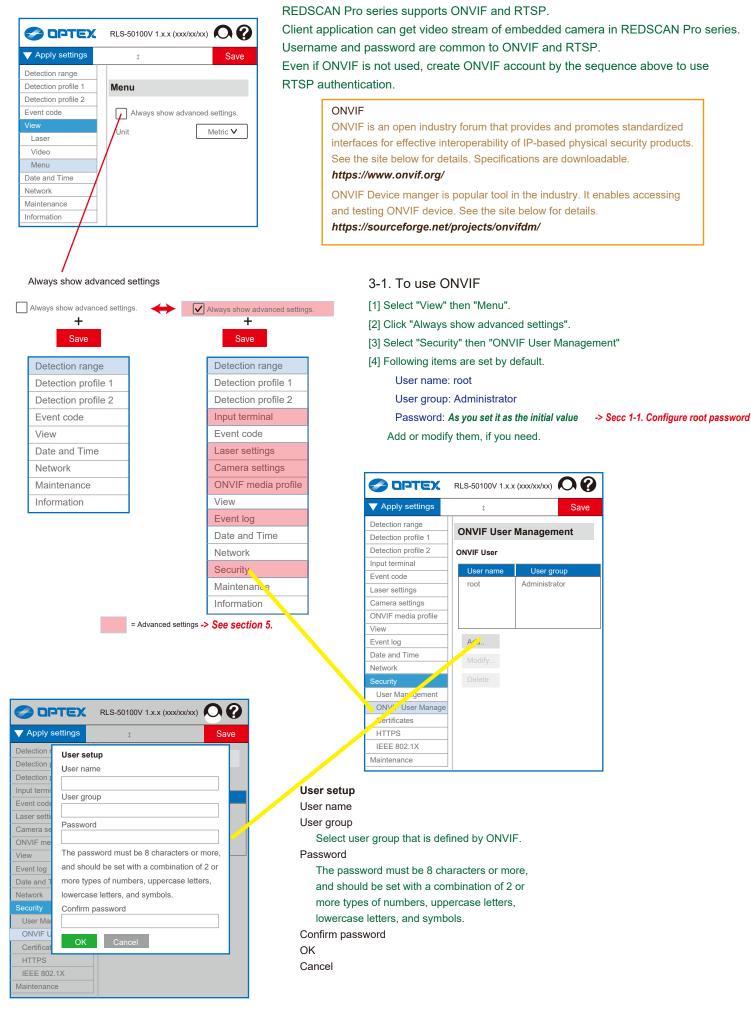
		2-2. Status display
	0100V 1.x.x (xxx/xx/xx)	Input status [N.C., N.O.] Current input is shown in red.
Θ⊕ि⋵⋩╡⊈⊟	Input status Input N.O.	Output status [N.C., N.O.] Current output is shown in red.
	Output 1 N.C. Output 2 N.C.	Status display Click to slide open/close.
	Output 3 N.C.	Alarm status Current alarm status is shown in red.
	Output 5 N.C. Output 6 N.C. Alarm status B1	Event code status All the codes <i>(R.E.C. = Redscan Event Code)</i> that currently output are listed.
	Event code status RLS126 TA Detector status	R.E.C. (Redscan Event Code) MO: Master alarm A1, A11, A12 B1, B11, B12: Zone alarm AM: Anti-Masking
Num X (mm) Y(mm) Size (mm) 002 -01203 02704 00284 001 -00939 01392 00248 000 -00864 00125 00110	Normal operation	AR: Anti-Rotation SO: Soiling DM: Device Monitoring TA: Tamper Output DQ: Environmental Disqualification TR: Device Trouble
		Detector status
▲ settings		[Normal operation, Laser error, Over heat
		Camera error, Others error]





12

3. ONVIF settings



3-2. ONVIF menu on Profile 1 and 2When set the "Always show advanced settings" to enable,2 ONVIF menu items appear on each Profile 1 and 2.

	S-50100V 1.x.x (xxx/xx/xx)	4-2-6. ONVIF digital inputs
▼ Apply settings	1 Save	Can set the each terminal individually according to the ONVIF format.
Detection range		
Detection profile 1	ONVIF digital inputs	Select the terminal for settings
Detection area		[DI#1, 2, 3, 4, 5, 6]
Area Masking/Allocating	DI#1 DI#2 DI#3 DI#4	
Detection	1 2 3 4	Interlock with Outputs
Detection advanced		1
Output terminal	Interlock with Outputs	Select events
ONVIF digital input		[MO, A1, A11, A12, A21, A22,
ONVIF motion alarm	A1 B1	B1, B11, B12, B21, B22,
Detection profile copy		AM, AR, SO, DQ, TR, TA, DM]
Detection profile 2		
Event code		Respond when the selected event occurs.
View		The choices appear only when "Interlock with
	L	Outputs" is not selected.

	_S-50100V 1.x.x (xxx/xx/xx)	00
▼ Apply settings	¢	Save
Detection range		
Detection profile 1	ONVIF motion alar	n
Detection area		
Area Masking/Allocating		
Detection		
Detection advanced		
Output terminal		
ONVIF digital input		
ONVIF motion alarm		
Detection profile copy		
Detection profile 2		
Event code		
View		

4-2-7. ONVIF motion alarm

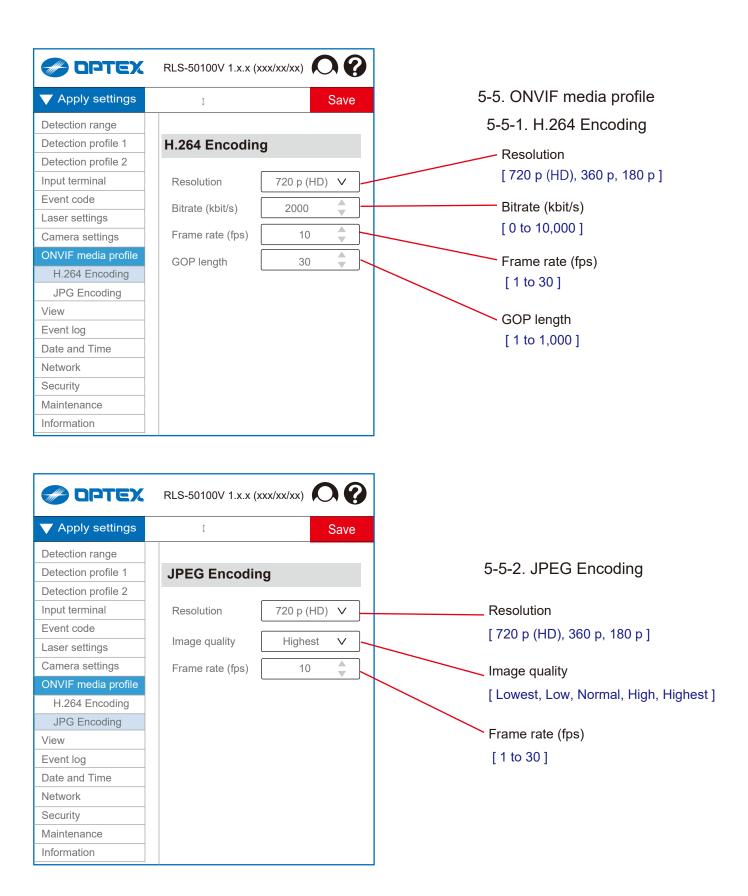
Can set the ONVIF motion alarm responding to the select events.

- Select events

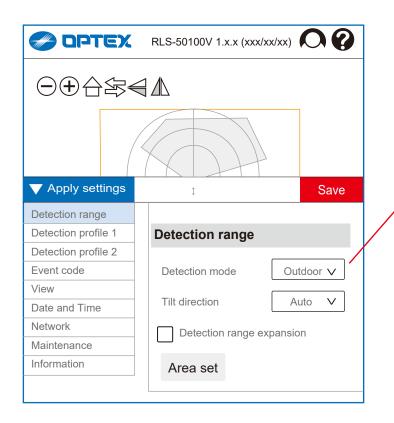
[MO, A1, A11, A12, A21, A22, B1, B11, B12, B21, B22, AM, AR, DM, DQ, SO, TA, TR] Respond when the selected event occurs.

R.E.C. (Redscan Event Code)				
MO: Master alarm A1, A11, A12 B1, B11, B12: Z	,			
AM: Anti-Masking AR: Anti-Rotation DM: Device Monitoring DQ: Environmental Disqualification	SO: Soiling TA: Tamper Output TR: Device Trouble			

3-3. ONVIF menu on Advanced settingsWhen set the "Always show advanced settings" to enable,2 ONVIF menu items also appear on ONVIF media profile.



4. Settings



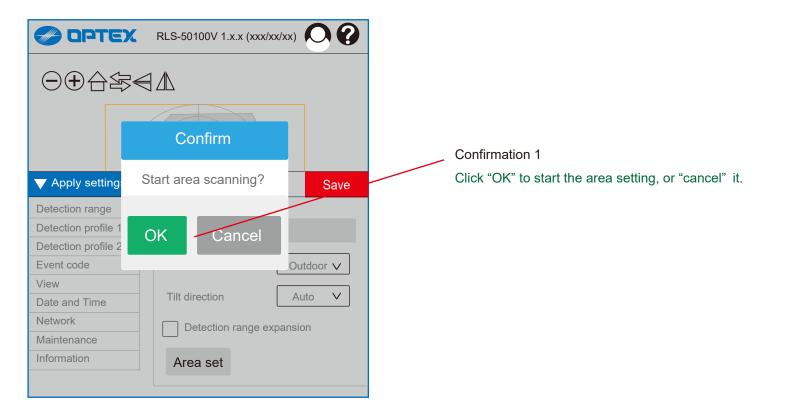
4-1. Detection range

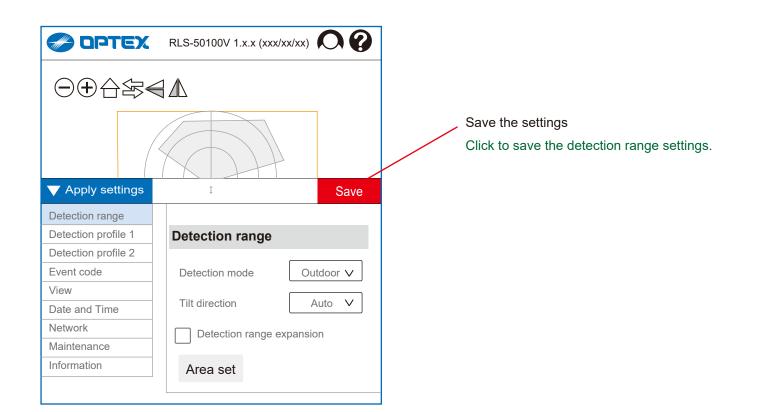
These items are already set in "Initial settings", in normal process, so there is no need to set these items again. Modify the parameters only when you need to change them.

Detection mode [Outdoor, Indoor] Tilt direction [Vertical, Horizontal, Auto] "Auto" setting allows to detect the direction in the "Area setting" and set the method automatically. Use in default "Auto" setting normally. Detection range expansion *RLS-50100V* [50 m x 100 m rectangle, 80 m x 190° fanshape] *RLS-3060V*

[30 m x 60 m rectangle, 50 m x 190° fanshape]

Area set



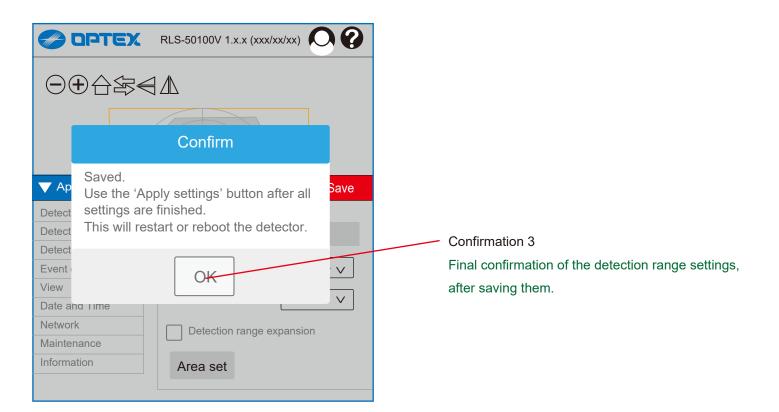


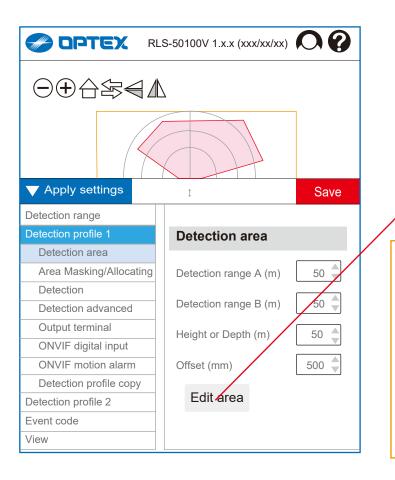


Confirmation 2

After click "Save" button, other confirmation window appears.

Click "OK" or "Cancel" to progress the procedure.





4-2. Detection profile 1

4-2-1. Detection area

	RLS-50100V RLS-3060V
Detection range A (m)	[0 to 50] [0 to 30]
Detection range B (m)	[0 to 50] [0 to 30]
Height or Depth (m)	[0 to 50] [0 to 30]
Offset (mm)	[0 to 1,000 (= 1 m)]

, Edit area

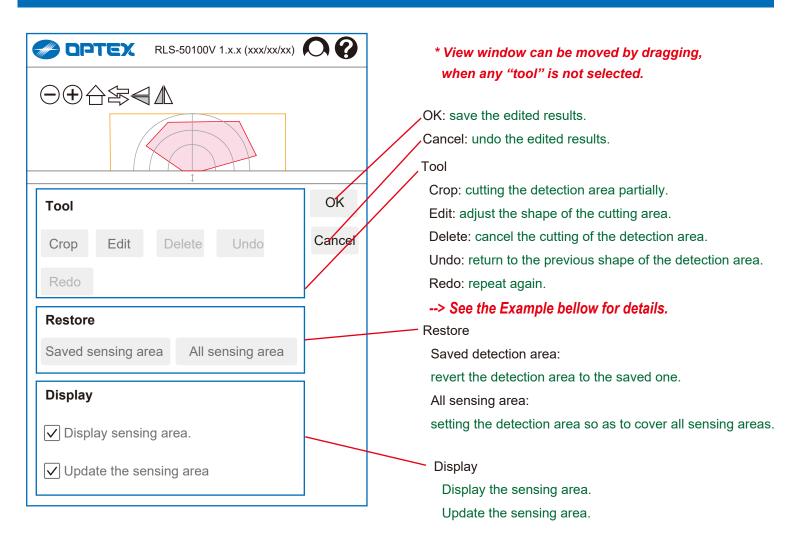
Open the separate window to edit the detection area.

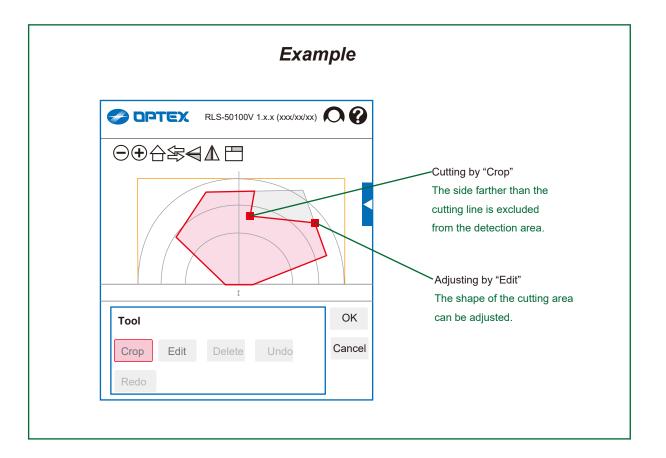
Detection Range

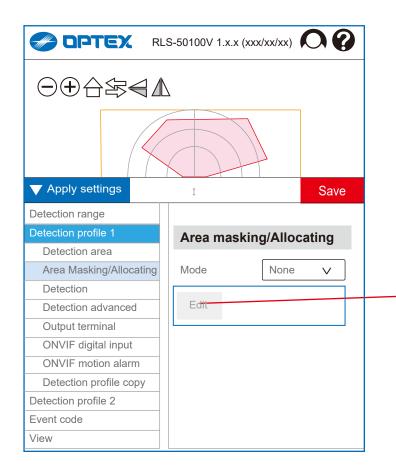
Detection area can be limited by "range A", "range B" and "Height or Depth." Yellow line will indicate the effective detection range after settings are completed.

Offset

Perimeter of detection area near background can be excluded by the Offset distance. In vertical mode, obstacles on the ground or floor can generate false alarm. Also, plants and small animals can cause false alarm.



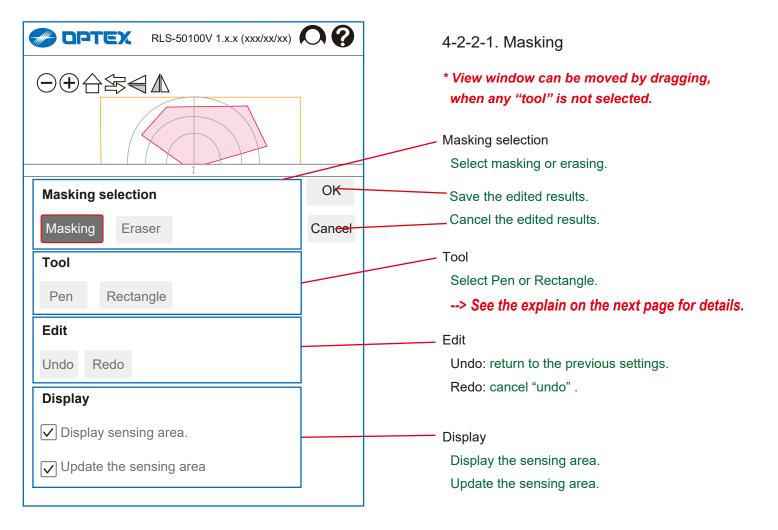


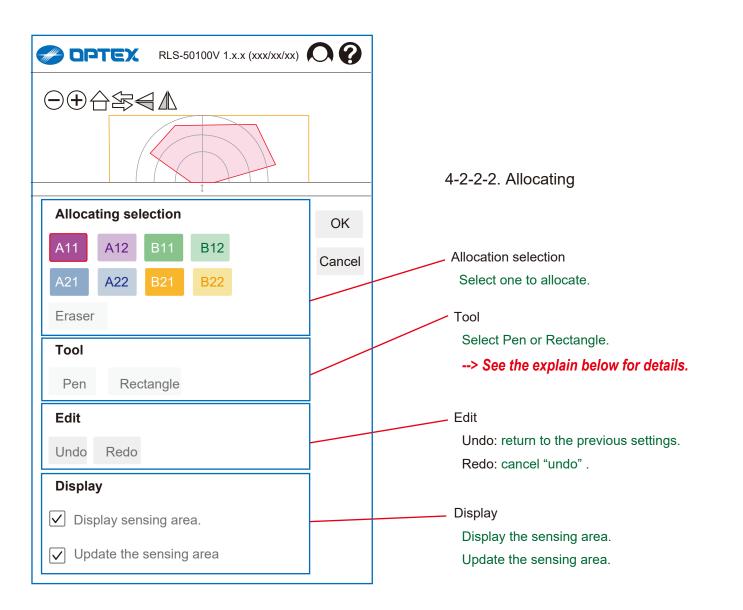


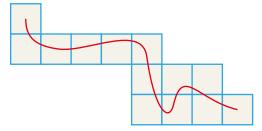
4-2-2. Masking/ Allocating

Mode [None, Mask, Allocating] Mask: masking area is available to ignore some area and reduce false alarm. Allocating: allocated areas are available to distinguish where objects are detected.

Edit the masking/ allocating Open the separate window to edit masking/allocating.







Selecting sections by "Pen" tool Sections through which the pen passed are selected.

Selecting sections by "Rectangle" tool Quadrilateral sections between the start and end points are selected.

4-2-3. Detection

Multi settings

If "Use multi detection sesitivity" is selected, it can make each area be set differently by the area.

Detection

Use multi detection sensitivity

A11	A12	B11	B12	A21	A22	B21
•						•
Detection target			Mobil	e obje	ct 🗸	
	Moving distance (mm)					

Detection target [Mobile object, Presence] Moving distance (mm) [500 to 10,000 (= 0.5 to 10 m)] Mobile object only

The Moving distance is to avoid false alarm caused by static obstacles. If an object is detected longer than the moving distance, alarm is issued.

Sensitivity (msec.)

[100 to 900,000 (= 15 min.)] Presence only

The Sensitivity is to avoid false alarm caused by instantaneous event. If an object is detected longer than the Sensitivity time, alarm is issued.

Minimum target size (width) (mm) [10 to 1,000 (= 1 m)]

The Size is to avoid false alarm caused by small object. If an object is smaller than Minimum Target Size, the object is ignored.

Minimum tracking size (mm) [10 to 1,0

[10 to 1,000 (= 1 m)]

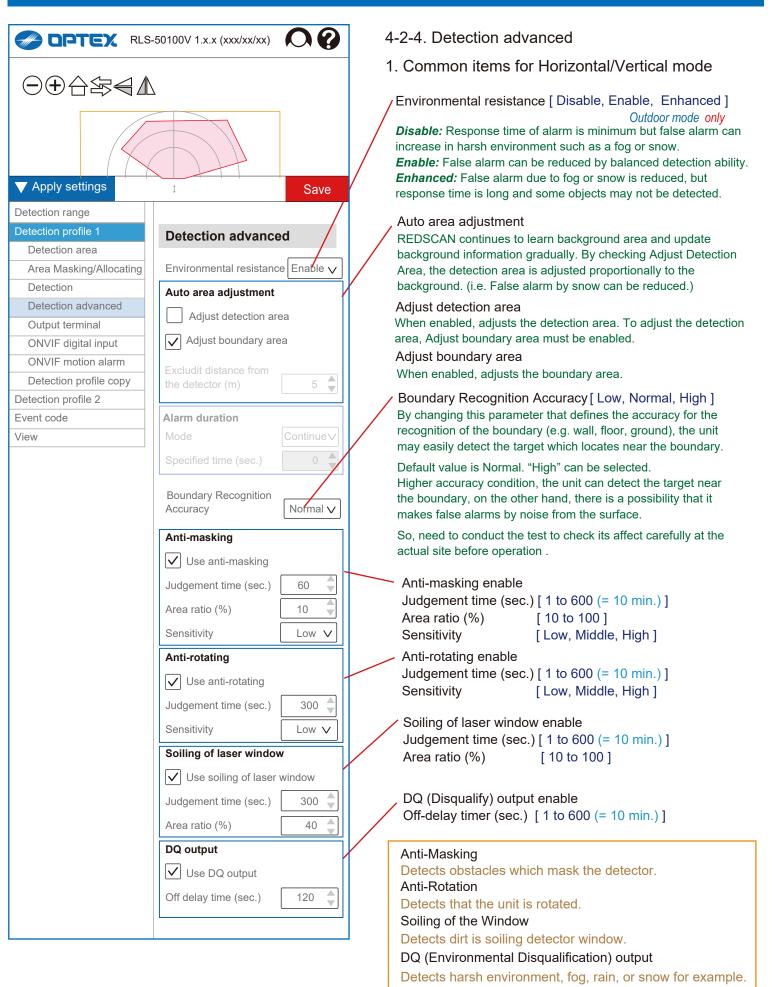
If an object is smaller than Minimum Tracking Size, the object is ignored. After an object is detected, the object is tracked while the size is larger than Minimum Tracking Size.

Maximum tracking size (m)

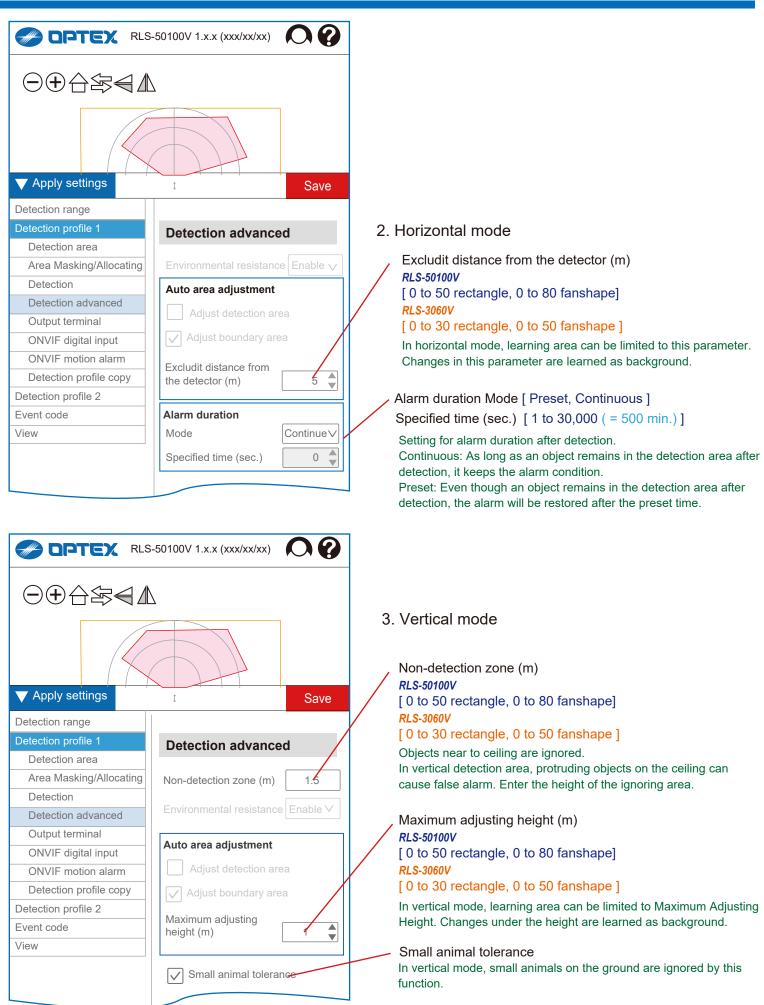
RLS-50100V RLS-3060V [1 to 50] [1 to 30]

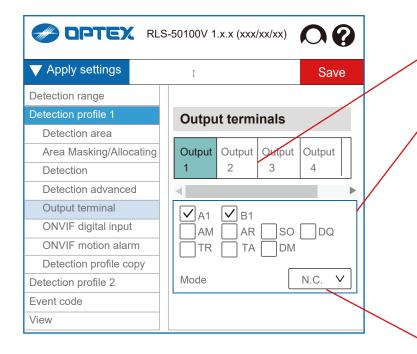
If an object is bigger than Maximum Tracking Size, the object is ignored. After an object is detected, the object is tracked while the size is smaller than Maximum Tracking Size.





4. Settings





4-2-5. Output terminals

Can set the each terminal individually.

Select the terminal for settings [Output 1, 2, 3, 4, 5, 6]

Select events

[MO, A1, A11, A12, A21, A22, B1, B11, B12, B21, B22, AM, AR, DM, DQ, SO, TA, TR]

Output when the selected event occurs.

R.E.C. (Redscan	Event	Code)
----------	---------	-------	-------

MO: Master alarm
A1, A11, A12 B1, B11, B12: Zone alarmAM: Anti-MaskingAR: Anti-RotationSO: SoilingDM: Device MonitoringTA: Tamper OutputDQ: Environmental DisqualificationTR: Device Trouble

Select output mode

[N.O., N.C.]

ONVIF menu on Profile 1 and 2

When set the "Always show advanced settings" to enable, 2 ONVIF menu items appear on each Profile 1 and 2. --> *Refer to Section "3. ONVIF settings"*

	S-50100V 1.x.x (xxx/xx/xx) 🔘 🕐	
▼ Apply settings	t Save	
Detection range		
Detection profile 1	ONVIF digital inputs	_
Detection area		
Area Masking/Allocating	DI#1 DI#2 DI#3 DI#4	
Detection	1 2 3 4	
Detection advanced		
Output terminal	✓ Interlock with Output 1	
ONVIF digital input		
ONVIF motion alarm	A1 B1	
Detection profile copy	AM AR SO DQ	
Detection profile 2		
Event code		
View		

	-50100V 1.x.x (xxx/xx/xx)
▼ Apply settings	t Save
Detection range	
Detection profile 1	ONVIF motion alarm
Detection area	
Area Masking/Allocating	
Detection	
Detection advanced	
Output terminal	
ONVIF digital input	
ONVIF motion alarm	
Detection profile copy	
Detection profile 2	
Event code	
View	

4-2-6. ONVIF digital inputs

Can set the each terminal individually according to the ONVIF format.

Select the terminal for settings

[DI#1, 2, 3, 4, 5, 6]

Interlock with Output 1 to 6

Select events

[MO, A1, A11, A12, A21, A22, B1, B11, B12, B21, B22, AM, AR, DM, DQ, SO, TA, TR]

Respond when the selected event occurs. The choices appear only when "Interlock with Outputs" is not selected.

-> See "4-2-5. Output terminals" for R.E.C (Redscan event code)

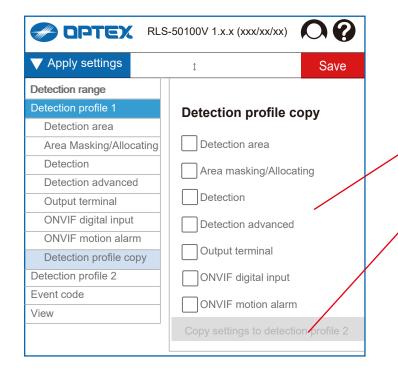
4-2-7. ONVIF motion alarm

Can set the ONVIF motion alarm responding to the select events.

- Select events

[MO, A1, A11, A12, A21, A22, B1, B11, B12, B21, B22, AM, AR, DM, DQ, SO, TA, TR]

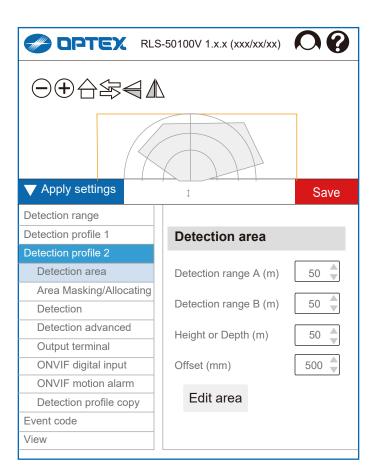
Respond when the selected event occurs. -> See "4-2-5. Output terminals" for R.E.C (Redscan event code)



4-2-8. Detection profile copy

Copy the settings to the profile 2. It can be adjusted individually after copying.

- Select items
 The selected items will be copied to the profile 2.
- , Copy button It can be pushed at least one item is selected.

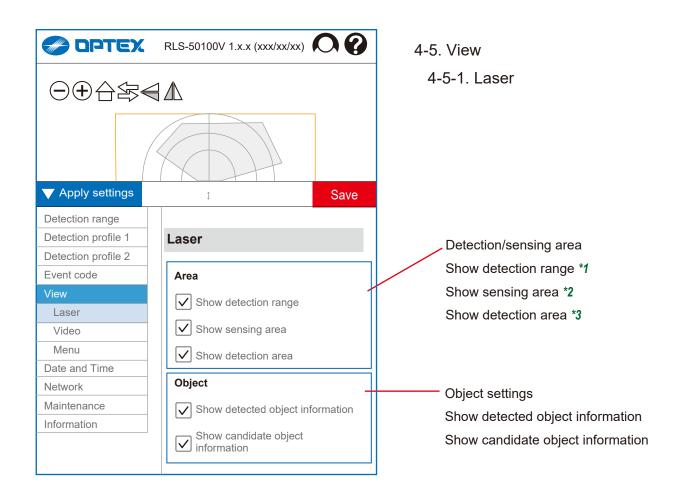


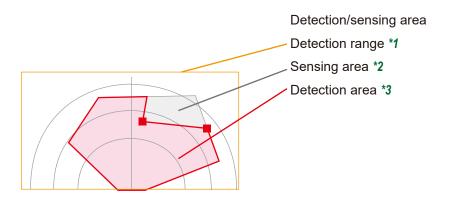
4-3. Detection profile 2

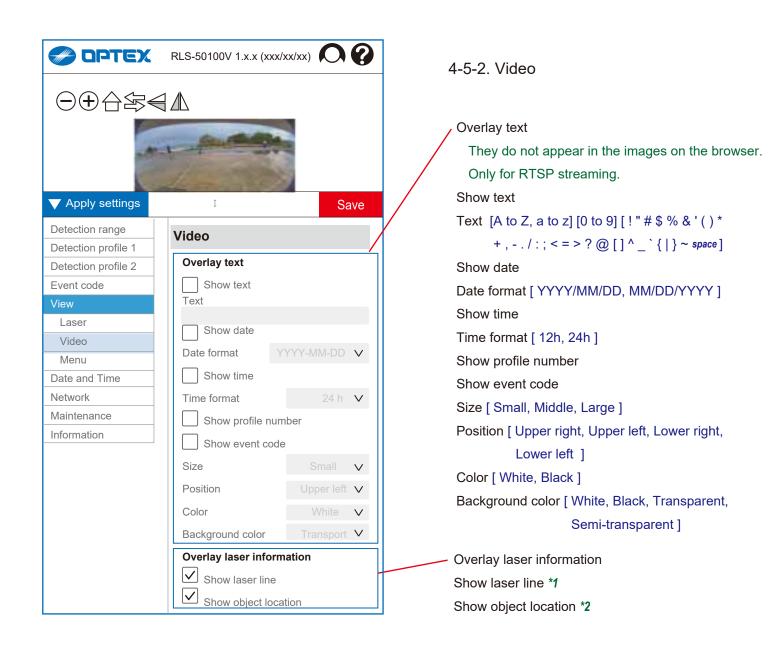
Set each item step by step just same as detection profile 1. Each item of profile 1 can be also copied to profile 2.

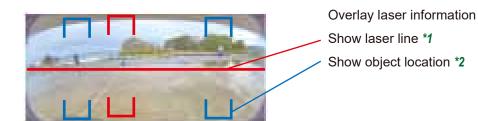
🥪 ΟΡΤΕΧ	RLS-50100V 1.x.x (xxx/xx/xx) 🔘 😧	4-4. Event code
▼ Apply settings	‡ Save	
Detection range		Select the type of the communication protocol
Detection profile 1	Event code	[UDP, TCP, UDP+TCP]
Detection profile 2		
Event code	Protocol UDP V	UDP settings
View	UDP	Scope [Broadcast, Unicast]
Date and Time	Scope Broadcast V	IP address
Network Maintenance	Scope Dioaucast V	Port number
Information	IP address 192.168.0.1	Number of transmission [1 to 20]
	Port number 1234	
	Number of transmission 10	TCP settings
		IP address
		Port number
	IP address 192.168.0.1	
	Port number 1234	ID settings
	ID	arbitrary detector ID enable
	Arbitray detector ID	Detector ID [0 to 999]
	Detector ID 0	
	Transmission	Transmission
	Event ende	Event code transmission interval (sec.)
	transmission interval (sec.)	[1 to 3,600 (=60 min.)]
	Clear code timing (sec.)	Clear code timing (sec.) [2 to 60 (=1 min.)]
	Enable heartbeat	Enable heartbeat
	Send event code immediately when	Heartbeat for Device Monitoring:
	an alarm occurs	If it is checked, DM code is stored in R.E.C. and
		sent by Transmission Interval.
		Send event code immediately when an alarm occurs
		Remove the check mark, if you want to reduce
		-
		the traffic of the event code.

-> See "4-2-5. Output terminals" for R.E.C (Redscan event code)

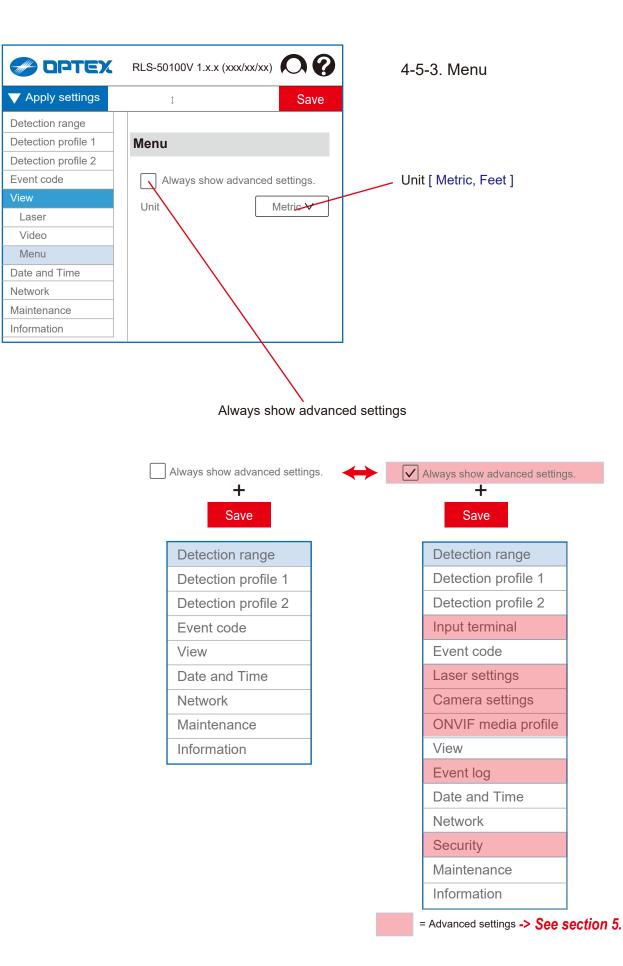








30



31

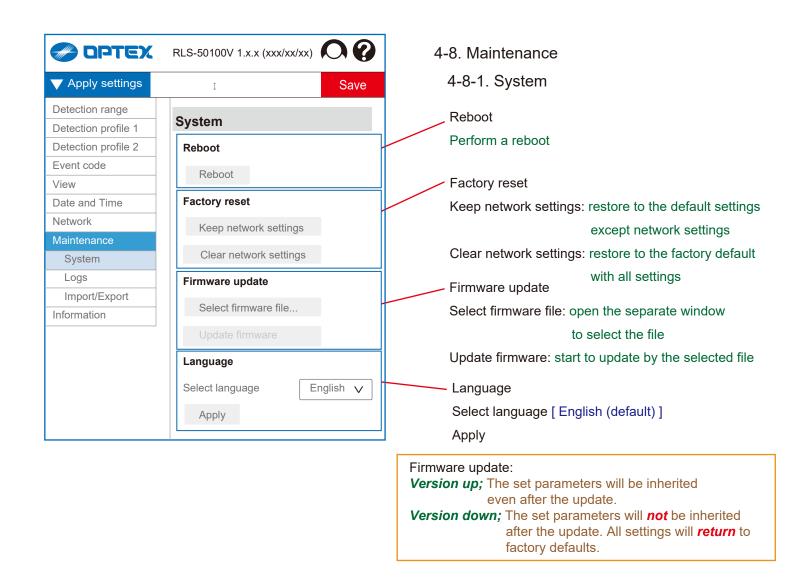
Apply settings	î Save	
Detection range	Dete and Time	Current time
Detection profile 1	Date and Time	Date
Detection profile 2	Current time	Time
vent code	Date 2021/01/26	
ew		
ite and Time	Time 13: 31: 43	Time settings
twork	Time setting	Time zone [GMT-12 to +14]
aintenance	Time zone	Mode [Synchronize with PC, Synchronize with NTP
ormation	GMT Dublin, Lisbon, London, Reykja	Manual setup]
	Mode Synchronize with PC V	Date
		Time
	Date 2021/01/26	✓ NTP
	Time 13: 31: 43	Network address
	NTP Network address	

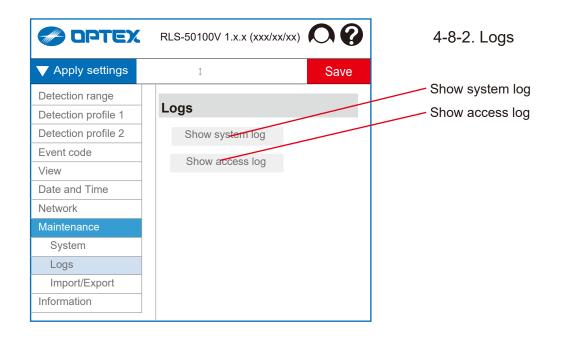
	RLS-50100V 1.x.x (;	
▼ Apply settings	Ĵ	Save
Detection range	TCP/IP Basic	
Detection profile 1	I CF/IF Dasic	
Detection profile 2	IPv4	
Event code	Configuration	Static V
View	Comgaration	
Date and Time	IP address	192.168.0.126
Network	Subnet mask	255.255.255.0
TCP/IP Basic	Default gateway	192.168.0.1
TCP/IP advanced	Donaan gutoway	
SNMP	MTU	1500
Maintenance		
Information		

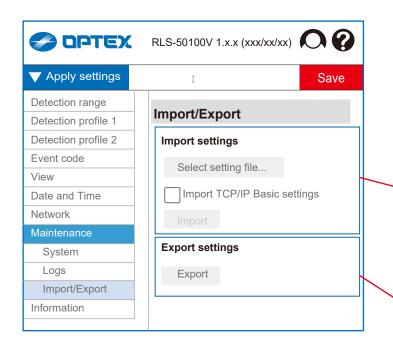
- 4-7. Network
 - 4-7-1. TCP/IP Basic
- IPv4

Configuration [Static, DHCP] IP address Subnet mask Default gateway MTU [1000 to 1500]

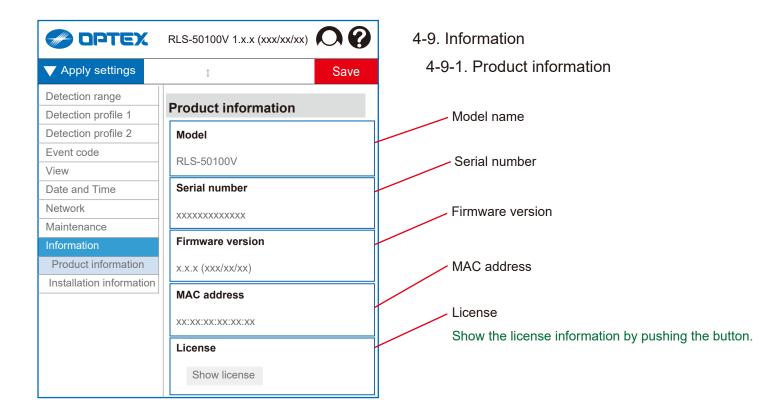
	RLS-50100V 1.x.x (xxx/xx/xx)	4-7-2. TCP/IP Advanced
▼ Apply settings	û Save	
Detection range		DNS settings
Detection profile 1	TCP/IP Advanced	Configuration [Static, DHCP]
Detection profile 2	DNS	Domain name
Event code		Primary DNS
View	Configuration Static V Domain name	Secondary DNS
Date and Time		
Network	Primary DNS	HTTP setting
TCP/IP Basic	Secondary DNS	HTTP Port
TCP/IP advanced		HTTPS setting
SNMP Maintenance		HTTPS Port
Information	HTTP Port 80	RTSP settings
	HTTPS	Enable RTSP server
	HTTPS Port 443	RTSP Port
	RTSP	Enable RTSP authentication
	Enable RTSP server	Authentication of RTSP server and ONVIF server is common.
		URI of RTSP of REDSCAN Pro is
	RTSP port 554	rtsp://(IP address)/stream/0
	RTSP certification	URI of HTTP tunneling of REDSCAN Pro is
	WS-Discovery	http://(IP address)/stream/0
	Enable WS-Discovery	WS-Discovery setting
		Enable WS-Discovery
🥪 ΟΡΤΕΧ	RLS-50100V 1.x.x (xxx/xx/xx) 🔘 🕐	
▼ Apply settings	t Save	4-7-3. SNMP
Detection range		
Detection profile 1	SNMP	SNMP v1
Detection profile 2	SNMP v1	Enable SNMP v1
Event code	Enable SNMP v1	
View		SNMP v2c
Date and Time	SNMP v2c	Enable SNMP v2c
Network TCP/IP Basic	Enable SNMP v2c	
TCP/IP Basic	SNMP v3	SNMP v3
SNMP	Enable SNMP v3	
Maintenance	User name	Enable SNMP v3
Information		User name
	Security level noAuthNoPrv V	Security level [noAuthNoPriv, authNoPriv, authPriv]
	Authentication algorithm MD5 ∨	Authentication algorithm [MD5, SHA]
	Authentication password	Authentication password
		Confirm authentication password
	Confirm authentication password	Private key algorithm [DES, AES]
	Private key algorithm DES V	Private key password
	Private key password	Confirm private key password
	Confirm private key password	
	Confirm private key password	

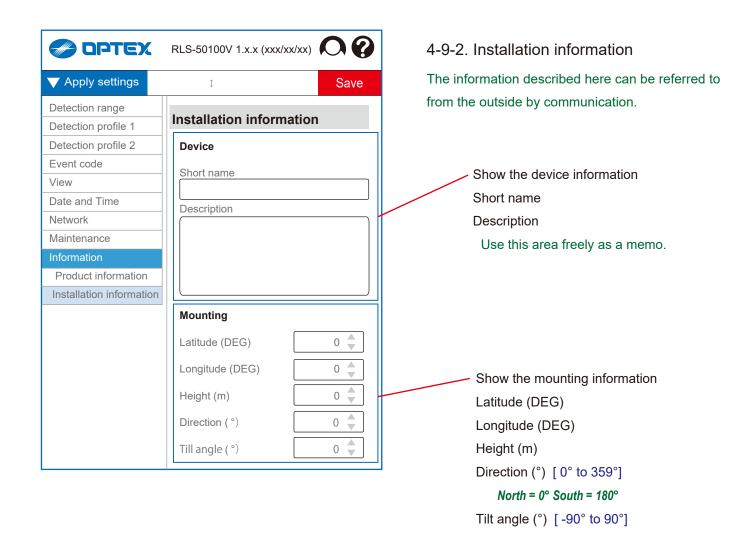




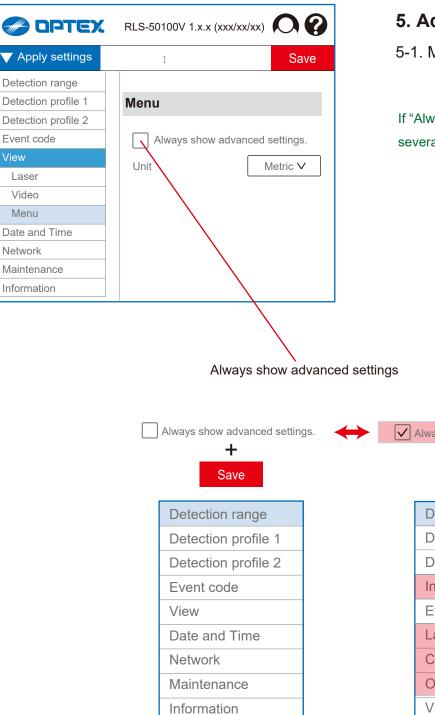


4-8-3. Import/Export This function allows you to copy the set parameters to other devices. For example, it is effective in the following cases. [1] Make the same settings for multiple devices at the same site. [2] Reflect all or part of past settings on different sites. [3] Back up the settings. Import settings Select setting file Import TCP/IP Basic settings Enable -> Refer to "4-7-1. TCP/IP Basic" about setting items. Import starts Export settings





5. Advanced Settings



5. Advanced settings

5-1. Menu view

If "Always show advanced settings" is checked, several additional items will be displayed as shown.

Always show advanced settings.

_	
	Detection range
	Detection profile 1
	Detection profile 2
	Input terminal
	Event code
	Laser settings
	Camera settings
	ONVIF media profile
	View
	Event log
	Date and Time
	Network
	Security
	Maintenance
	Information

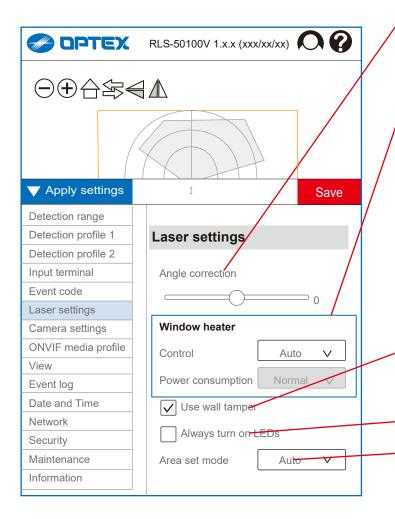
+

Save

= Advanced settings

]

🥪 ΟΡΤΕΧ	RLS-50100V 1.x.x (xxx		5-2. Input terminal
igvee Apply settings	Ĵ	Save	
Detection range Detection profile 1 Detection profile 2 Input terminal Event code Laser settings Camera settings ONVIF media profile View Event log Date and Time Network Security Maintenance	Input terminal Action Response output Judgement time (sec Mode	None V No respon se V C.) 1 V N.O V	Action [None, Detection profile switching, Area set, Sensor check] Response output [No response, Output 1, 2, 3, 4, 5, 6 Judgement time [1 to 10] Mode [N.O., N.C.]
Information			



5-3. Laser settings

Angle correction

[-5° to +5°]

The inclination of the detection area is corrected by software within $\pm 5^{\circ}$.

Window heater

The RLS-LWVH has a transparent conductive film heater inside the laser window, and it can be selected as an option for cold environments.

Control: [Auto, Disable]

Power consumption:

[Low (17 W), Normal (21 W), High (25 W), Max (30 W)] *Heating power settings*

4 steps (Watts) operation temp. Notes

Low (17 W) -30°C (-22°F)

Normal (21 W) -40°C (-40°F) *Default* High (25 W) -40°C (-40°F) *Defrost to -30°C (-22°F) / PoE+ usage limit* Max (30 W) -40°C (-40°F) *Defrost to -40°C (-40°F) / DC power usage limit*

Use wall tamper

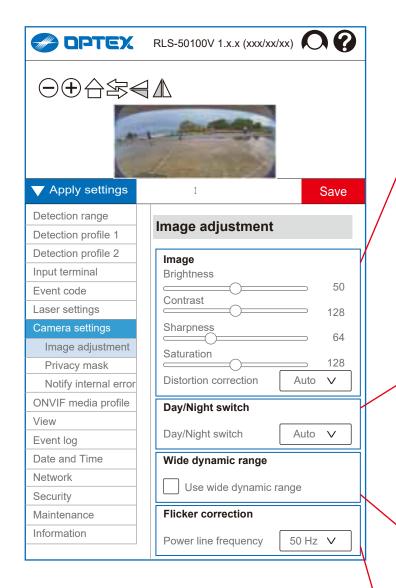
Turn it off when the wall tamper switch may not be pressed properly, for example mounting on a pole.

Always turn on LEDs

Area set mode

[Auto, Indoor option, Outdoor option]

Use it with "Auto" basically, because the area set is optimized according to the Indoor/Outdoor mode. Select 2 type of options, only if "Auto" can not work properly.



5-4. Camera settings

5-4-1.Image adjustment

Image	
Brightness	[0 to 100]
Contrast	[0 to 255]
Sharpness	[0 to 255]
Saturation	[0 to 255]

Distortion correction [Auto, Vertical, Horizontal] Set it to "Auto" basically that applies an appropriate correction according to the current installation angle. "Horizontal" corrects the angle so that each direction looks evenly spaced.

"Vertical" corrects so that the far side is easier to see.

Day/Night switch [Auto, Night, Day]

Auto: Switching automatically according to the ambient illuminance.

Night: It is fixed to a monochrome image so that it can record even in low light.

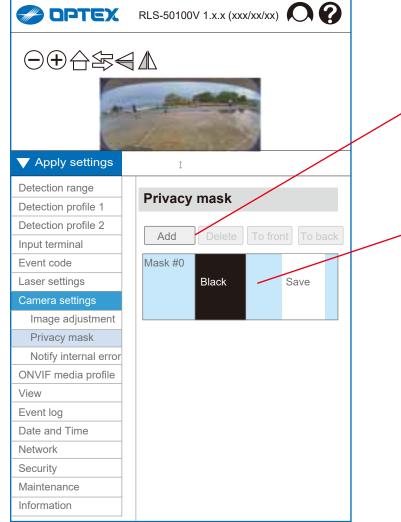
Day: It is fixed to a color image regardless of the ambient illuminance.

Wide dynamic range

Dynamic range is the difference in brightness between the darkest and brightest parts of an image. When it is turned on, it is corrected so that the difference in brightness is reduced, and overexposure and underexposure are less likely to occur. It is recommended to turn it on under conditions where

there is a large difference in brightness.

Flicker correction [50 Hz, 60 Hz] It should be same as the power frequency.



5-4-2. Privacy mask

If you need to maintain privacy such as nearby facilities or people, you can use the privacy mask function to mask the specified area of the image.

Masking configuration

Add: to add a masking area for the camera images Delete: to delete a masking area of the camera images To front: Move the selected privacy mask forward. To back: Move the selected privacy mask back.

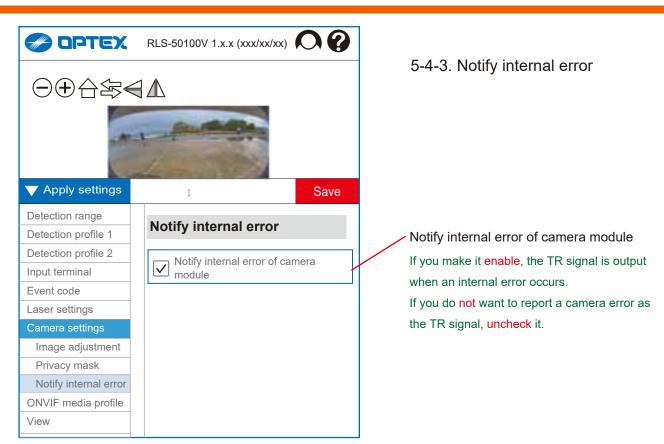
Mask # [0 - 7]

Color [Black, White, Gray, Red, Blue, Green,

Cyan, Yellow, Mosaic]

	۰.

Save: to save the masking configuration Revert: to revert the masking configuration

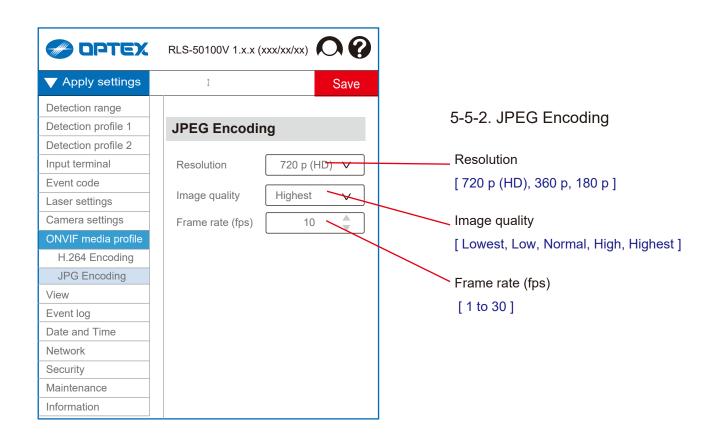


ONVIF menu on Advanced settings

When add a user in "ONVIF User Management", 2 ONVIF menu can be used.

--> Refer to Section "3. ONVIF settings"

	RLS-50100V 1.x.x (xxx/xx/xx) 🔘 ?)
Apply settings	‡ Save	5-5. ONVIF media profile
Detection range		5-5-1. H.264 Encoding
Detection profile 1	H.264 Encoding	Resolution
Detection profile 2		[720 p (HD), 360 p, 180 p]
Input terminal	Resolution 720 p (HD) V	[120 p (112), 500 p, 100 p]
Event code	Bitrate (kbit/s)	Bitrate (kbit/s)
Laser settings	Bitrate (kbit/s)	
Camera settings	Frame rate (fps) <u>6</u>	[0 to 10,000]
ONVIF media profile	GOP length 30	
H.264 Encoding		Frame rate (fps)
JPG Encoding		[1 to 30]
View		
Event log		GOP length
Date and Time		
Network		[1 to 1,000]
Security		
Maintenance		
Information		



	RLS-50100V 1.x.x (xxx/xx/xx)
igvee Apply settings	≎ Save
Detection range	Descrid
Detection profile 1	Record
Detection profile 2	Recording time
Input terminal	-
Event code	Pre-alarm record time (sec.)
Laser settings	Post-alarm record time (sec.)
Camera settings	
ONVIF media profile	Trigger
View	MO A1 B1 A11 A12
Event log	A21 A22 B11 B12 B21
Record	B22
Play	
Date and Time	
Network	
Security	
Maintenance	
Information	

5-6. Event log

5-6-1. Record

You can save the camera image by using the set R.E.C. (*Redscan Event Code. See list below*) as a trigger.

You can set the Pre/Post recording time and the trigger to start recording.

You can save up to 500 logs.

Recording time

Pre-alarm record time (sec.) [1 to 5] Post-alarm record time (sec.) [1 to 10]

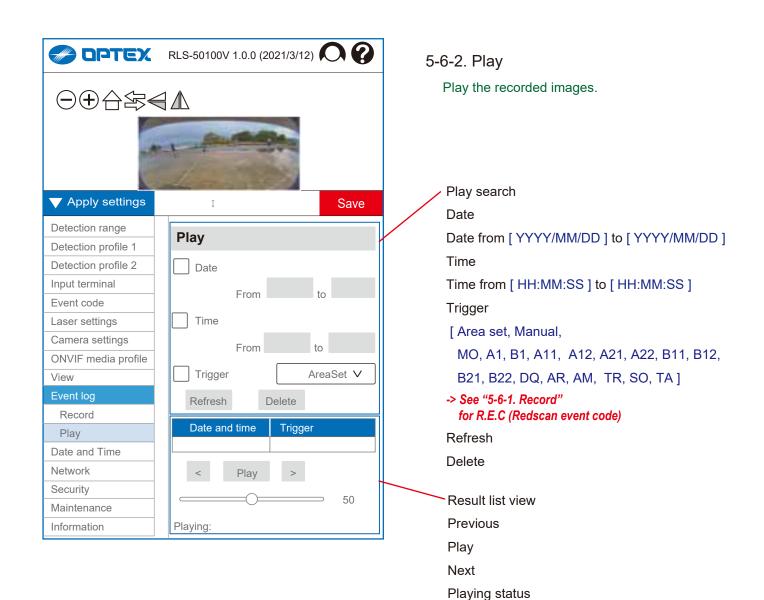
Trigger

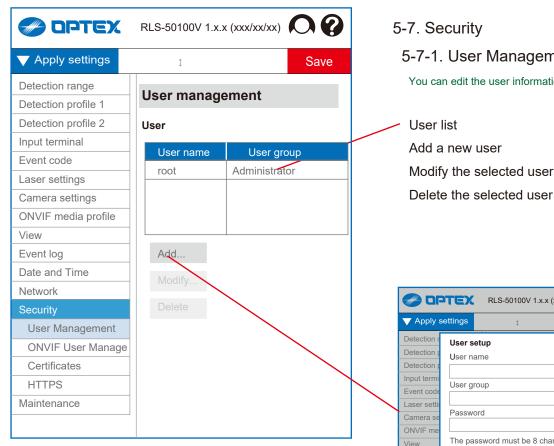
[MO, A1, A11, A12, A21, A22, B1, B11, B12, B21, B22, AM, AR, DM, DQ, SO, TA, TR]

R.E.C. (Redscan Event Code)

MO: Master alarm A1, A11, A12 B1, B11, B12: Zone alarm AM: Anti-Masking AR: Anti-Rotation SO: Soiling

DM: Device MonitoringTA: Tamper OutputDQ: Environmental DisqualificationTR: Device Trouble





5-7-1. User Management

You can edit the user information to log in the system.

Modify the selected user

		?
V Apply s	settings 🔅 Sav	/e
Detection r Detection r Detection r Input termi	User setup User name User group	
Laser setti Camera se ONVIF me	Password	
View Event log Date and 1 Network	The password must be 8 characters or more, and should be set with a combination of 2 or more types of numbers, uppercase letters, lowercase letters, and symbols.	
Security User Ma ONVIF U Certificat	Confirm password OK Cancel	
HTTPS IEEE 802 Maintenanc		

User setup

User name

User group [Administrator, Operator, User]

Administrator can change all parameter settings.

Operator can change parameters for display only.

User is not permitted to change any parameter. Password

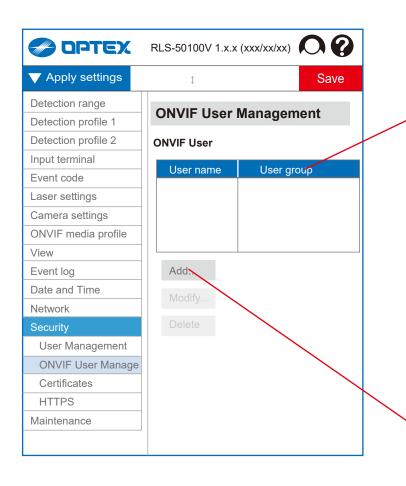
The password must be 8 characters or more, and should be set with a combination of 2 or

more types of numbers, uppercase letters,

lowercase letters, and symbols.

OK

Cancel



5-7-2. ONVIF User Management

User list

Add a new user

Modify the selected user

Delete the selected user

This is the first item that needs to be set when using ONVIF. See *Chapter 3* for details.

)
V Apply s	settings 🗘 Save	
Detection r Detection r Detection r Input termi Event code Laser setti Camera se	User setup User name User group Password	
ONVIF me View Event log Date and T Network	The password must be 8 characters or more, and should be set with a combination of 2 or more types of numbers, uppercase letters, lowercase letters, and symbols.	
Security User Ma ONVIF U Certificat	Confirm password OK Cancel	
HTTPS IEEE 802 Maintenanc		

User setup

User name

User group

Select user group that is defined by ONVIF. Password

The password must be 8 characters or more,

and should be set with a combination of 2 or

more types of numbers, uppercase letters,

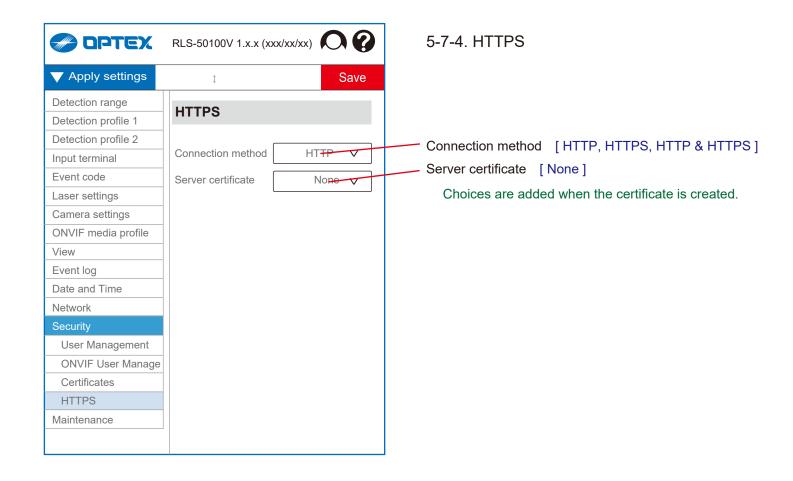
lowercase letters, and symbols.

Confirm password

OK

Cancel

🥪 OPTEX	RLS-50100V 1.x.x (xxx/xx/xx)
✓ Apply settings	t Save
Detection range	
Detection profile 1	Certificates
Detection profile 2	Certificate ID Issued on Expires on
Input terminal	
Event code	
Laser settings	
Camera settings	
ONVIF media profile	
View	
Event log	Install certificate
Date and Time Network	Properties
Security	Delete
User Management	Delete
ONVIF User Manage	Create self-signed certificate
Certificates	Create Certificates Signing Request
HTTPS	
Maintenance	





OPTEX INC./AMERICAS HQ (U.S.) www.optexamerica.com

OPTEX (EUROPE) LTD./EMEA HQ (U.K.) www.optex-europe.com

OPTEX SECURITY B.V. (The Netherlands) www.optex-europe.com/nl OPTEX CO., LTD. (JAPAN) www.optex.net

> **OPTEX SECURITY SAS (France)** www.optex-europe.com/fr

OPTEX SECURITY Sp.z o.o. (Poland) www.optex-europe.com/pl

OPTEX PINNACLE INDIA, PVT., LTD. (India) www.optexpinnacle.com OPTEX KOREA CO.,LTD. (Korea) www.optexkorea.com

OPTEX (DONGGUAN) CO.,LTD. SHANGHAI OFFICE (China) www.optexchina.com

OPTEX (Thailand) CO., LTD. (Thailand) www.optex.co.th

Copyright (C) 2021 OPTEX CO., LTD.