





## Table of Contents

1. Spotter Web	
1.1. What is Spotter Web?	4
1.2. Main features	5
1.3. Network topology	6
1.4. Installation	9
1.5. Login	15
1.6. Spotter Web UI	16
1.7. Opening & closing cameras	
1.8. Playback	21
1.9. Views	22
1.9.1. New view	23
1.9.2. Edit views	24
1.10. Alarms	26
1.11. Export	
1.12. Downloads	34
1.13. PTZ Control	36
2. Spotter Mobile	40
2.1. Login	41
2.2. Spotter Mobile UI	42
2.3. Export	43
2.4. Downloads	44
2.5. Alarms	46
2.6. Views	51



## 1. Spotter Web

Download this user guide as PDF

Lataa tämä ohje PDF-muodossa



<u>Next</u>



## 1.1. What is Spotter Web?

Download this user guide as PDF

Lataa tämä ohje PDF-muodossa

## Spotter Web is HTML5 based client application



温



## 1.2. Main features

Download this user guide as PDF

Lataa tämä ohje PDF-muodossa

- All communication is automatically encrypted
- PTZ Control
- Live-view up to 25 cameras
- Play-back view up to 25 cameras
- Freely selectable camera grid up to 25 cameras
- Digital output controlling
- Customized views
  - o Name
  - o Layout
- Alarm list with filtering
  - o Active alarm
  - Ended alarms
- Export material
  - o ASF
  - o MP4
  - o SEF



## 1.3. Network topology

Download this user guide as PDF

Lataa tämä ohje PDF-muodossa

# Mirasys Spotter Web installed to the same PC with Mirasys VMS



# Mirasys Spotter Web installed to the separate PC





## **Mirasys Spotter Web site**





## Mirasys Spotter Web public access



Spotter Web site



SpotterWeb UI HTTPS port: 443(INBOUND)

Storage Locker HTTP port: 8087(INBOUND)





Spotter Web site address can be the public IP address or domain name

https://MIRASYS-VMS-2/

Spotter Web login



Spotter Web Mobile login

https://MIRASYS-VMS-2/m/



www.mirasys.com



## 1.4. Installation

Download this user guide as PDF

Lataa tämä ohje PDF-muodossa

## Spotter Web is working only with Enterprise and Enterprise Plus master server

## If you want to use Spotter Web, the master server MUST be V9.4 or newer!.

## **OS limitations**

If SpotterWeb is installed on client OS, there can be a maximum of 10 simultaneous connections: <u>https://docs.microsoft.com/en-us/iis/troubleshoot/request-restrictions</u>

For each SpotterWeb login, 3 connections are made: HTTP, SignalR for events and WebSocket for streaming. So for example Windows 10 Professional, only 3 clients can log in at the same time.

There are no similar limitations in server OS, so it is highly recommended to install SpotterWeb to Windows Server OS.

When installing SpotterWeb to client OS, the installer will give a warning about the OS/IIS limitations.

## **Spotter Web installation**

- 1. Start the installation by clicking SpotterWeb installation package
- 2. Click **Install**



👹 Spotter Web Setup	_		$\times$
Spotter Web			
Welcome			
Setup will install Spotter Web on your computer. Click install to	continue o	r Close to	o exit.
V			
Version 9.4.0.66			
	Install	Clo	se

3. Confirm notification about the operating system limitation

B Spotte	rWeb Set	up				×
٩	Installation of OS and make inst continue	on to dient ( d IIS limitation tall on Serve ?	OS is no ons. It is r OS. W	t recom s highly /hould	mended be recommen you like to	cause ded to
		Yes		No		

4. Click **Next** 



🔀 SpotterWeb Setup		-		×
	Welcome to the SpotterV Wizard	Veb Se	tup	
	The Setup Wizard will install Spotter Click Next to continue or Cancel to e	Web on yo xit the Se	ur comput tup Wizard	ter. I.
	Back	xt	Cano	el

5. Use the default installation folder and click **Next** 

😸 SpotterWeb Setup	_		×
Destination Folder Click Next to install to the default folder or click Change to choose	another.	(	
Install SpotterWeb to:			
C:\Program Files\DVMS\ Change			
Back	ext	Cano	el

- 6. Set the **master server address**(the computer name of the master server PC)
- 5. Use default master server port and master server HTTP port
- 6. Click **Next**



🔛 SpotterWeb Setup		_		×
Installation Configuration Set property values used for	on or configuring the installed application.		Ç	
Master server address	MIRASYS-VMS-2		_	5
Master server port	5008			$\smile$
Master server HTTP port	8082			
	Back Ne	xt	Cance	4

- 9. Set the **SpotterWeb site address**(the computer name of the master server PC)
- 5. Use default **SpotterWeb HTTPS port(443)**
- 6. Check that **Set firewall exceptions** are enabled
- 7. Click **Next**

😸 SpotterWeb Setup	_		×
Installation Configuration Set property values used for configuring the installed application.		(	
SpotterWeb site address MIRASYS-VMS-2 SpotterWeb HTTPS port 443 9			8
Back Next		Cano	el

Mirasys LtdC1CD, Vaisalantie 2-8, 02130Espoo, FinlandTel +358 (0)9 2533 3300-info@mirasys.com-www.mirasys.com-



13.Click Install

👷 SpotterWeb Setup		_		×
Ready to install SpotterWeb			Q	
Click Install to begin the installation. Click Back installation settings. Click Cancel to exit the wiz	to review or change a ard.	ny of you	r	
Back	Install		Cano	el

#### 14.Click Finish



#### 15. Click **Close** to finalize the installation





<u>Top</u>

<u>Next</u>

**Previous** 



## 1.5. Login

Download this user guide as PDF

Lataa tämä ohje PDF-muodossa

- 1. Open browser
- 2. Type https://Spotter website computer name/
- 3. Enter the username and password
- 4. Click OK

€ Please login	
Username: SpotterWeb	
Password:	
	ок

<u>Top</u>

<u>Next</u>

**Previous** 



## 1.6. Spotter Web UI

Download this user guide as PDF

Lataa tämä ohje PDF-muodossa





- 1. Profile
- 2. Device tree
- 3. Work Area
- 4. Playback controls
- 5. Grid selection
- 6. Export material
- 7. Show alarms
- 8. Fullscreen
- 9. PTZ control
- 10. Logout and Settings
- 11. View management

#### <u>Top</u>

<u>Next</u>

Previous



## 1.7. Opening & closing cameras

Download this user guide as PDF

Lataa tämä ohje PDF-muodossa

1. Select the amount of the grids or use **Automatic** 



#### **Opening cameras**

1. Left mouse click top of the camera name in the device tree



Profiles	PTZ Control
😤 V9.	.4 DEMO <del>•</del>
🔻 🔭 КА	MERAT
ا 🐋	AXIS P1455-LE
<b>7</b>	XND-6081V
<b>7</b>	XND-9082R
ا 📌	FLEXIDOME IP 5000i IR
, <b>i</b>	AXIS P5665-E
🕨 🗁 Dig	gital Inputs
🕨 🗁 Dig	gital Outputs

Selected cameras are opened with the camera name and time stamp.



### **Closing cameras**

1. **Click** the **X** icon from the needed camera image upper right corner







## 1.8. Playback

Download this user guide as PDF

Lataa tämä ohje PDF-muodossa

## Instant playback

- 1. Select camera or cameras from the device tree
- 2. Click playback
- 3. Change the playback speed by clicking the mouse left of the playback buttons or using the playback slider



Slider shows the selected playback speed





## 1.9. Views

Download this user guide as PDF

Lataa tämä ohje PDF-muodossa

From the views, users can select the pre-defined grids to the views





## 1.9.1. New view

Download this user guide as PDF

Lataa tämä ohje PDF-muodossa

1. Click New view



- 2. Set view name
- 3. Select used grid
- 4. Set update image settings
- 5. Click **Save**

🕈 Edit view		
View name	9 cameras grid	2
Edit layout		
Grid	3 x 3 🗸	
Show grid borders	×	3
Default image fit	🔵 Off 🕥 Stretch 🔵 Crop	<u> </u>
Update image		
Continuously		
When motion is detected	I	4
O When motion is detected	l, minimum interval 🛛 1 seconds 💙	
Save	5	Close

Previous Next



## 1.9.2. Edit views

Download this user guide as PDF

Lataa tämä ohje PDF-muodossa

- 1. Select the view
- 2. Click **Edit**



- 3. Edit view name
- 4. Select layout
- 5. Set update image settings
- 6. Click Save

Edit view	Diservite ji Berniki je izvitelji Birkelet i Diservite je i seniti je	
View name	Cameras 1	3
Edit layout		
Grid	2 x 2 🗸	
Show grid borders		U U
Default image fit	💿 Off 💿 Stretch 🕥 Crop	
Update image	den en el complete presidente en complete presidente en el complete de la complete de la complete de la complet	
Continuously		A
When motion is detected	d	
When motion is detected	d, minimum interval 🛛 1 seconds 💙	
Save	16	Close



<u>Top Previous Next</u>



## 1.10. Alarms

Download this user guide as PDF

Lataa tämä ohje PDF-muodossa

The alarm list can be opened from the lower-left corner

If there are no active alarms, the icon is **GREEN** 



#### **Active Alarms**

If there are active alarms, the icon is **RED** 



When the alarm list is opened, the list shows active alarms with **RED** background and ended alarms with **GREY** background



The user can see details of the alarm by clicking the small arrow end of the alarm name



The following details are shown:

- Alarm name
- Start time
- End time
- Duration
- Priority
- Trigger
- Actions

Alarms 🕶			×
ACCESS (	CONTROL ALARM	2 min	
1			
Start time:	10:47:46 AM 12/	02/2021	
End time:			
Duration:			
Priority:	Low		
Trigger:	Digital input ALAF	RM 1	
	TRIGGER		
Actions:			

## **Opening an alarm**

Alarms can be opened by selecting an alarm from the list





When an alarm is opened, then all cameras, which has been set as alarm action cameras will be opened







## 1.11. Export

Download this user guide as PDF

Lataa tämä ohje PDF-muodossa

Click the **Export material** icon from the lower right corner



- 1. Set name for the **Export**
- 2. Select items to export
- 3. Set Start time
- 4. Set End time
- 5. Select Format(ASF, MP4 or SEF)
- 6. Click **Start**



🛃 Export	×
Options Downloads	
Name: 2021-10-14 15-33-30 Cameras 2	2 1
Select items to export	Start time
▼ Cameras	3
Camera 2	End time
Camera 3	④ \$ 10/14/2021 ☐ > \$ 3:34:30 PM ④ >
🔲 🗲 AXIS P1455-LE	Options
	Format: ASF 🗸 5
	Encode quality:
	0% 90%
	Key frame interval:
	0 1000
	6 Start Reset Close

#### **Downloads**

From the **Downloads**, the users can see material export progress



Export		1
Options Downloads		
TKo_ExportM	aterials (11%)	*
Profile	v9.4	
Channels	820714c4-24e1-4aeb-aa94-46ff7e2eaa9b	
	3954d688-ca95-4a09-b343-6d129877cd8b	
Start time	2021-12-22 14:06:10	
End time	2021-12-22 14:09:10	
Clip length	03:00	
Estimated time left	00:08:34	
		Close

After the export, the user can download the package



Export		
Options Download	Is	
TKo_Expor	tMaterials (100%)	^
Profile	v9.4	
Channels	820714c4-24e1-4aeb-aa94-46ff7e2eaa9b	
	3954d688-ca95-4a09-b343-6d129877cd8b	
Start time	2021-12-22 14:06:10	
End time	2021-12-22 14:09:10	
Clip length	03:00	
Size	79.60 Mb	
		wnload
		Close

#### The downloaded package is zipped and must be extracted

TKo_ExportMaterials	22.12.2021 14.19	Onen	) Folder
Unconfirmed 753061.crdownload	22.12.2021 14.19	Open in new window	
172.17.100.83_01_20211123130933602	23.11.2021 13.15	Evtract All	
<b>172.17.100.83_01_20211123130933602</b>	23.11.2021 13.15	Extract All	

#### <u>Top Previous Next</u>



## 1.12. Downloads

Download this user guide as PDF

Lataa tämä ohje PDF-muodossa

## Downloads contain all media clips, which the current user has been exported

After the export, the user can download the package



The downloaded package is zipped and must be extracted

Mirasys Ltd - C1CD, Vaisalantie 2-8, 02130 - Espoo, Finland Tel +358 (0)9 2533 3300 - info@mirasys.com - www.mirasys.com



TKo_ExportMaterials	22.12.2021 14.19	Onen	) Folder
Unconfirmed 753061.crdownload	22.12.2021 14.19	Open in new window	
Last month (2)		Share with Skype	
172.17.100.83_01_20211123130933602	23.11.2021 13.15	Extract All	

## **Deleting downloads**

- 1. Select clip from the list
- 2. Click **Delete export**

Steport		;
Options Downloads	]	
TKo_ExportM	aterials (100%)	^
Profile	v9.4	
Channels	820714c4-24e1-4aeb-aa94-46ff7e2eaa9b	
	3954d688-ca95-4a09-b343-6d129877cd8b	
Start time	2021-12-22 14:06:10	
End time	2021-12-22 14:09:10	
Clip length	03:00	
Sīze	79.60 МЬ	
		📀 Download 🔀
		Close



## 1.13. PTZ Control

Download this user guide as PDF

Lataa tämä ohje PDF-muodossa

## PTZ Control

- 1. Open PTZ camera to the real-time view
- 2. Click **PTZ Control**
- 3. Click **Reserve control of XXXX**





- 3. Open PTZ Control
- 4. Control PTZ camera using arrows





## Zoom, Focus, Iris

Control PTZ camera Zoom, Focus and Iris





## Presets

The user can control PTZ camera presets. The current preset is shown with the arrow icon end of the preset name





## Tours



## 2. Spotter Mobile

Download this user guide as PDF

Lataa tämä ohje PDF-muodossa

		×
Username	Please login	
Password	Password	
Remember login		
	OK	

Previous Next



## 2.1. Login

Download this user guide as PDF

Lataa tämä ohje PDF-muodossa

- 1. Open browser
- 2. Type https://Spotter website computer name/m
- 3. Enter the username and password
- 4. Click OK

Username	Please login	
Password	Password	
Remember login		
	ОК	



## 2.2. Spotter Mobile UI

Download this user guide as PDF

Lataa tämä ohje PDF-muodossa

- 1. Profile name
- 2. Device tree
- 3. View name
- 4. Playback controls
- 5. Export, Alarms and Settings





## 2.3. Export

Download this user guide as PDF

Lataa tämä ohje PDF-muodossa

## **Exporting media clip**

- 1. Set the name for the export
- 2. Select items for the export
- 3. Set Start time
- 4. Define End time
- 5. Select **Copy player**, if needed
- 6. Set format
- 7. Click **Start**

Cameras 1	2 * =
⊥ Export ⊥ Downloads	
Name	
Select terms to export	
Star	lüme
< 110200	an 🗂 🗲 👝
51-38-10	PN 🕐 📏 💛
End	üne .
< 11/23/2	🗠 🗂 🕨 👝
< 2.38.10	rx@ > 🔍
Copy player:	■ <b>6</b>
Format	ASF 🗸 🕤
Add logo images	2
0 🔤	Reset



## 2.4. Downloads

Download this user guide as PDF

Lataa tämä ohje PDF-muodossa

## Downloads contain all media clips, which the current user has been exported

1. Click **Downloads** 

Monitorit				<b>12</b>	≡
Export L Downloads					
Name:					^
Select items to export:					~
Start time:	<	12/28/2021	>	m	
	<	14:26:30	>	0	
End time:	<	12/28/2021	>	Ê	
	<	14:27:30	>	0	
Clip length:	01:00				
Copy player:					
Format:	ASF				~
Add logo images:	~				
Reset		Start			
Reset		Start			Ŧ

- 2. Select clip from the list
- 3. Click **Download**





#### **Deleting Downloads**

- 1. Select clip from the list
- 2. Click Delete export





## 2.5. Alarms

Download this user guide as PDF

Lataa tämä ohje PDF-muodossa

When the alarm list is opened, the list shows active alarms with **RED** background and ended alarms with **GREY** background



## **Active Alarms**

If there are active alarms, the icon is **RED** 



Mirasys LtdC1CD, Vaisalantie 2-8, 02130Espoo, FinlandTel +358 (0)9 2533 3300-info@mirasys.com-www.mirasys.com



Cameras 1	4	=
Alarms		:
ACCESS CONTROL ALARM 3	11	s 💙
ACCESS CONTROL ALARM 2	12	s 💙
ACCESS CONTROL ALARM 1	12	s 💙

## **Alarm details**

The user can see details of the alarm by clicking the small arrow end of the alarm name

The following details are shown:

- Alarm name
- Start time
- End time
- Duration
- Priority
- Trigger
- Actions





## **Opening an alarm**

Alarms can be opened by selecting an alarm from the list





When an alarm is opened, then all cameras, which has been set as alarm action cameras will be opened







## 2.6. Views

Download this user guide as PDF

Lataa tämä ohje PDF-muodossa

1. Click the Settings icon from the upper right corner



#### **New view**

- 1. Click New view
- 2. Open needed cameras to the view



## Changing the view







#### Editing the view name

- 1. Click Settings
- 2. Select view and click



- 1. Change the view name
- 2. Click Save

![](_page_52_Picture_0.jpeg)

Edit view		
View name	Hotel	
Save		Close

### **Deleting the view**

1. Click Settings

![](_page_52_Picture_5.jpeg)

![](_page_52_Picture_6.jpeg)

3. Confirm view deletion by clicking OK

Cancel OK

Top Previous