



# FD9392-EHTV-O Network Camera User's Manual

Qualcomm QCS603 SoC with Built-in AI Engine • Video Processing and Machine Learning • Supports VCA Solutions via Installation of S&ST APPs •



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## **Overview**

- Powered by Qualcomm QCS603 SoC with a built-in AI Engine
- Powerful Computing for Video Processing and Machine Learning
- Driven by OSSA, running on S&ST OS
- Supports a variety of VCA solutions through S&ST APPs
- Remote Focus Lens / P-iris
- Built-in IR Illuminators up to 50 meters
- Digital input\*1, Digital Output\*1
- 8MP

#### **Revision History**

Rev. 1.0: Initial release.

#### **Read Before Use**

The use of surveillance devices may be prohibited by law in your country. The Network Camera is not only a high-performance web-ready camera but can also be part of a flexible surveillance system. It is the user's responsibility to ensure that the operation of such devices is legal before installing this unit for its intended use.

It is important to first verify that all contents received are complete according to the Package Contents listed below. Take note of the warnings in the Quick Installation Guide before the Network Camera is installed; then carefully read and follow the instructions in the Installation chapter to avoid damage due to faulty assembly and installation. This also ensures the product is used properly as intended.

The Network Camera is a network device and its use should be straightforward for those who have basic networking knowledge. It is designed for various applications including video sharing, general security/surveillance, etc. The Configuration chapter suggests ways to best utilize the Network Camera and ensure proper operations. For creative and professional developers, the URL Commands of the Network Camera section serves as a helpful reference to customizing existing homepages or integrating with the current web server.

#### Symbols and Statements in this Document



**INFORMATION:** provides important messages or advices that might help prevent inconvenient or problem situations.



**NOTE**: Notices provide guidance or advices that are related to the functional integrity of the machine.



**Tips**: Tips are useful information that helps enhance or facilitae an installation, function, or process.



**WARNING: or IMPORTANT:** These statements indicate situations that can be dangerous or hazardous to the machine or you.



**Electrical Hazard**: This statement appears when high voltage electrical hazards might occur to an operator.

#### NOTE:

1. The camera is only to be connected to PoE networks without routing to outside plants.

2. For PoE connection, use only UL listed I.T.E. with PoE output.

## **Package Contents**

- FD9392-EHTV-O
- T10 stardriver, desiccant bag, screws
- Waterproof Ethernet and I/O wires cable housing
- Quick Installation Guide & alignment sticker
- Side-routing bracket.

#### **WARNING**:

- 1. IR lights emit from ths product.
- 2. Use appropriate shielding or eye protection.

#### NOTE:

Use the camera only with a DC power supply that is UL listed, and limited power source (LPS) certified. The power supply should bear the UL listed and LPS marks. The power supply should also meet any safety and compliance requirements for the country of use.

#### **REMARQUE** :

n'utilisez la caméra qu'avec un bloc d'alimentation CC homologué UL, ainsi qu'avec une alimentation limitée (LPS) certifiée. Le bloc d'alimentation doit porter les indications d'homologation UL et LPS. Il doit également répondre aux exigences en matière de sécurité et de conformité relatives au pays d'utilisation.



## NOTE:

Some of the suffix syntax used in model naming are listed below:

E	w/ heater for extreme weather
Fx	Focal length w/ number
Т	w/ Remote focus lens
R	w/ PoE repeater
Н	w/ High Dynamic Range functionality

#### MPORTANT:

The camera comes with an embedded heater and requires an 802.3at PoE switch.

O p e r a t i n g Consumption & Power Input Temperature		
≥-50°C	PoE: 24.3W (PoE Plus mid-span or switch, 42.5V-57V - 0.57A-0.43A); AC 24V input: 21.6W [1.76A (PF0.55)]; DC 12V: 21W (1.8A)	

#### Hardware Installation

1. Jot down the camera's MAC address for later reference.



#### MIMPORTANT:

If DC power is preferred, it should comply with: O/P: 12VDC, 1A or 2A min., L.P.S. per IEC 60950-1.

Si l'alimentation CC est préférable, elle devrait être conforme avec ce qui suit : Sortie : 12 VCC, 2 A min., alimentation limitée à conformité CEI 60950-1.

2. Use the included T10 stardriver to remove the dome cover.





3. Loosen and remove the waterproof connectors.

**IMPORTANT**: You should install the waterproof cable gland to the I/O routing inlet whether you connect the I/O and power wires or not. If you leave it open, water or moisture can destroy the camera.



4. Insert an Ethernet cable through the cable gland, and the rubber seal.



5. Insert the Ethernet cable through the components of the waterproof connector, e.g., the rubber seal. Leave 15cm of cable length inside, counting from the edge of the aluminum hex nut.



6. Use a crescent wrench to tighten the components of the waterproof connector. Connect the cable to the RJ45 connector.



7. If preferred, pass power or I/O wires through the rubber seal and waterproof components of another connector. Install and tighten the components.



8. If applied, connect DI/DO wires, 12/24V DC power, or audio wires to the terminal block.

#	Name
1	AC 24V
2	AC 24V
3	DC 12V IN-
4	DC 12V IN+
5	DI- (GND)
6	GND
7	DI+_0
8	GND
9	DO0
10	DO+ (5V)
11	MIC-IN_N (GND)
12	MIC-IN_P
13	AUDIO-OUT_N (GND)
14	AUDIO-OUT_P



- 1. The DO+ pin provides a 12V output, and the max. load is 50mA.
- 2. The max. voltage for DO- pins is 30VDC (External power).

In order to control AC devices, the following diagram can be taken into consideration. This diagram uses a relay to control the ON/OFF condition of the AC device.

- 3. An external relay can be triggered by using the DO+ or by an external power source, depending on the type of relay you use.
- 4. In case of using an individual relay (instead of using a relay module), for protection against voltage or current spikes, a transient voltage suppression diode must be connected in parallel with the inductive load.

Dry contact with external DC power source to supply a relay. Dry contact is the safest connection to protect devices.



Wet contact with external DC power source to supply a relay.



Dry contact and using camera's DO+ to supply a relay.



9. You can either route cables through a routing hole on the ceiling or wall, or you can route cables through the side of the camera. You can use the side-routing bracket to install a 3/4" conduit. Please note that the conduit hex nut should not be larger than 35mm.



10. Attach the included alignment sticker to a preferred location. Drill holes for mounting screws and if preferred, drill one or two routing holes.



When fastening the screws, do not completely tighten the screws. Pass cables through the routing holes, and then mount the camera by passing the screw heads through the keyhole slots. Turn the camera counter-clock wise, and then fasten the screws.

## Configuration

1. Download the **Device Management Tool**. The tool can be requested here: https://devices.securityandsafetythings.com/tooldownload



Make sure DHCP service is available in your local network.

2. Use the Device Management Tool to locate your device.



3. You can click Cloud Login to download S&ST apps or visit: https://store.securityandsafetythings.com/shop/catalog/c/main



#### 4. Enter URL: https://<ip\_address>:8443/

Enter admin/admin as the default credential.

Since the connection is using a self-signed certificate, your connection will not be considered as a secure connection. Click Advanced to proceed.



Click Proceed to xxx.xxx.xxx (Unsafe) to open the web console.

Note the IP addresses below are for reference only.

Privacy error x +	
← → C ▲ Not Secure   185.52.151.21	A 🚳 :
Apps 🚱 ByteBiteBit.Com	
Your connection is not private	
Attackers might be trying to steal your information from <b>185.52.151.21</b> (for example, passwords, messages, or credit cards). <u>Learn more</u>	
NET::ERR_CERT_COMMON_NAME_INVALID	
<ul> <li>Help improve Chrome security by sending <u>URLs of some pages you visit, limited system</u> information, and some page content to Google. <u>Privacy policy</u></li> </ul>	
Hide advanced Back to safety	
This server could not prove that it is 185.52.151.21; its security certificate is from	
www.bytebitebit.com. This may be caused by a misconfiguration or an attacker intercepting your connection	
intercepting your connection.	
Proceed to 185.52.151.21 (unsafe)	

#### Enter admin/admin as the default credential.

← → ○ 命 ▲ 憑證錯誤 https://192.168.51.64:8443/#/login	
Login	

You will be requested to create a new password for security concern. Enter a combination of alphabetic, numeric, and special characters that is strong enough for protection.

The new password must comprise of at least 10 characters, containing uppercase, lowercase, digits or special characters.

← → ひ 命 ▲ 憑證錯誤   https://192.168.51.64	k8443/app/com.securityandsafetythings.webui/#/change-password 🔟 📩	₹	L &
Device Web			Q
Password change required!			8
Logged in as <b>adm</b> i	in		
떠고 Old Password	<i>₩</i>		
또한 <u>New password</u>	<u>م</u> ۵		
떠한 Confirm new pass	word  CHANGE		

12. On the device web console, click Zooom/Focus. If necessary, zoom in on the scene, and use the Auto Focus function to find the best imaging result.

Zoom / Focus	
Auto () 100%	
	-
	Party and a second seco
	100
« < • E	
🕄 Focus	
« ‹	>
\$ Iris	ย
« < •	) »ĘJ
	AUTO FOCUS

13. With a live view displayed on your laptop, adjust the pan and tilt angles to obtain an optimal image. Check the live view to ensure the shooting direction and image coverage.



14. Carefully tighten the retention screws on the side of the camera lens.



15. Replace the desiccant bag on the inside the camera dome cover.



16. Align and install the dome cover.



```
VIVOTEK
```



Note that you should not remove the 6 anti-tamper screws on the dome cover.



#### **LED Definitions**

	ltem	LED status	Description
LED	1	Steady Red	Powered and system booting, or network failed
D		Red LED off	Power off
) fir		Green LED off	Network is disconnected
nitior	2	Steady Red and Green LED blinks every 1 sec.	Connected to network
<b>_</b>	3	Green LED blinks every 1 sec. and RED	Upgrading firmware
		LED blinks consecutively every 0.15 sec.	
	4	Green and RED blink every 0.15 sec, Green and RED light on, then blink again.	Restoring defaults
	5	RED LED is on, Green LED blinks and RED LED is constantly on.	Status after a reset (network connected)
		Green and RED LEDs are constantly on.	Status after a reset (network disconnected)

#### Hardware Reset

The reset button is used to reset the system or restore the factory default settings. Sometimes resetting the system can return the camera to normal operation. If the system problems remain after reset, restore the factory settings and install again.

<u>Reset</u>: Press the recessed reset button. Wait for the Network Camera to reboot.

<u>Restore</u>: Press and hold the reset button until the status LED rapidly blinks. Note that all settings will be restored to factory default. Upon successful restore, the status LED will blink green and red during normal operation.

#### **Preview**

This page displays the camera stream preview window. You can select which virtual camera's stream to preview and at which refresh rate.



## Peripheral

On this page you can see the current connection statuses of digital inputs. If your digitald inputs are connected to sensor devices, its statuses will be automatically detected as being pulled high or pulled low. You can also manually trigger a digital output. Digital outputs can also be triggered via the Alarm settings.

≡		Developer Mode	Device Web
Came	ra	Peripheral	
0	Preview		
<b>@</b>	Peripheral	Digital input	
6	Zoom / Focus	Input 1 current status: LOW	
0	Device info		
#	Privacy mask	Digital output settings	
	Virtual camera	Output 1 current status: GROUND	IDED
\$	Video settings	Manual triggers: off 💭 o	on
(	Stream configuration		
	Device health	Day/Night settings	
0	User management	IR cut filter	
	Network	°∰* Night mode	·
8	Date & time	Light sensor sensitivity	
Ŧ	Firmware		UPDATE
Applic	cations		
	Overview		
⊕	Cloud connection		
九	Legal		
[-}	Logout		

The Day and Night setting is also available on this page. You can change the IR cut filter and the light sensor sensitivity settings. Normally the default setting suffices ordinary uses.

The IR cut filter is turned on or off depending on the lighting level detected by the onboard light sensor.

#### Zoom / Focus

The camera comes with a zoom module lens. If an area of your interest is a distance away, you can zoom in on the scene.

If you find your image is out of focus, use the AUTO FOCUS function to let the camera find the optimal image focus.

You cann use the << or >> buttons to fine-tune the imaging results. Normally the AUTO FOCUS function can deliver the best results.



## **Device Info**

Important information about this device is displayed on this page: including Device ID, OS version, AOSP API, SDK addon, firmware version, etc.

The Device ID is a unique ID for each camera and will be displayed in the Device Management Portal.

Here, you can also reboot the device or perform a Factory reset.

=		Developer Mode Device Web
Came	era	Device info
0	Preview	
¢	Peripheral	Device ID DeviceId
$\odot$	Zoom / Focus	Manufacturer VWOTEK
0	Device info	Model
#	Privacy mask	FD9392-EHTV-O
	Virtual camera	OS 122
\$	Video settings	AOSP API
(;	Stream configuration	-1 Minimum supported SDK addon
	Device health	2
Θ	User management	Maximum supported SDK addon 4
	Network	Security patch level
₿	Date & time	Uptime
÷	Firmware	0 days, 02:43:29
Appli	cations	Firmware QC5603-12.2x-camera-FD9392-EHTV-0-1.0.157-user
	Overview	
۲	Cloud connection	
		Developer Options
		Developer mode allows to develop and debug apps on the device. In developer mode it is not possible to install apps via the Device Management Portal or through a compatible DNWF client. Additional terms and conditions apply when running a device in developer mode.
		By enabling developer mode all applications and licenses will be removed .
九	Legal	To disable the developer mode, perform a factory reset.
G	Logout	ENABLE DEVELOPER MODE

#### **Privacy Mask**

Click and drag on the screen to block out sensitive areas in your field of view. The size and the orientation will display on screen. Use the Intensity slide bar to determine how much image within the privacy mask is blurred. Currently 1 privacy mask is supported.

≡	<b>VIVOTEK</b>	Developer Mode	Device Web
Came	era	Privacy mask	
Θ	Preview		
¢	Peripheral		
C+3	Zoom / Focus		-
0	Device info		
	Privacy mask		
	Virtual camera		
\$	Video settings		2020-09-24 33512230-493
(	Stream configuration	Enabled	
	Device health	Center x	
0	User management	× -0.56	
	Network	Centery > < -0.06	
₿	Date & time	Rect width	
÷	Firmware	↔  1.75	
Appli	cations	Ect height 0.91	
	Overview	Intensity	•
۲	Cloud connection		_
			UPDATE
12	Legal		

☐→ Logout

#### **Virtual Camera**

Allows the creation of additional sub-stream(s) which can cover a certain zone of interest in the camera's field of view. The sub-streams are used for video analytics on apps.

$\leftarrow$	→ ひ ▲ 不弱	天全   https://192.168.51.91:8443/app/com.securityandsafetythings.webui/#/virtual-camera
=	<b>VIVOTEK</b>	Developer Mode Device Web
Came O C C	era Preview Peripheral Zoom / Focus	Comes commos ema puntograph - com noema puntograph
•	Device info Privacy mask	tune com.noema.pantograph
••••••••••••••••••••••••••••••••••••••	Virtual camera Video settings Stream configuration	Anaton longered O
0	Device health User management	BI 1 Centers X 0
± €	Date & time Firmware	Contry >> C 0 Thillo (summaria) Table (summaria) Table (summaria)
Appli	cations Overview	Rado (denominanto)
۲. بر	Cloud connection	UPDATE DELETE

<sup>B</sup> under Settings

On this page some additional video stream settings can be set like Exposure, Focus and White Balance, etc.

Normally the Auto settings can deliver satisfactory results. If the need should arise, you can manually change the parameters, such as prolonging the exposure time for a place with less lighting, change the electronic gain level, and iris size. You can also modify the Focus and White Balance if your surveillance scene needs special adaptation.

=	<b>% viv⊙tek</b>	Device Web
Came	era	Video settings
0	Preview	hado setembo
¢	Peripheral	Exposure
3	Zoom / Focus	Mode 🗸 🗸 🗸 🗸 🗸
0	Device info	
	Privacy mask	Default Time: 30748 µs
	Virtual camera	•
٥	Video settings	Gaim: 21 dB
(î	Stream configuration	Iris: 2.2 dB
	Device health	•
0	User management	
	Network	Focus
₿	Date & time	Mode MANUAL
÷	Firmware	
Appli	cations	Lens Focus Distance: 3.23
	Overview	Far Focus Near Focus
ـ	Cloud connection	
		White Balance
		Mode AUTO
九	Legal	R Gain: 1
G	Logout	0

## **Stream Configuration**

On this page, there are four pre-configured video streams which can be additionally modified with regards to encoding, size, bitrate and I-frame interval.

Streams are defined as Full High Definition and Ultra High Definition streams.

≡	VIVOTEK	Developer Mod	de Device Web
Came	era	Ctro	ream configuration
0	Preview	500	ean computation
¢	Peripheral	-	Stream
(•)	Zoom / Focus	_	
0	Device info		
	Privacy mask	Ę	Description 3 4K Ultra HD H265 live stream (2160p)
	Virtual camera		Encoding
¢	Video settings	8	viaeo/avc *
î	Stream configuration	↔	widh 3840
	Device health	Ŧ	Height
0	User management	×	Rents
	Network	Ť	0000000
6	Date & time	Ê	I-Frame Interval
÷	Firmware		
Appli	cations		UPDATE
	Overview		
⊕	Cloud connection		
九	Legal		
[÷	Logout		

The bit rate is represented in bits. Streams are defined as Full High Definition and Ultra High Definition streams. The default 20000000 bits is approximately 244kb or 1.9megabits.

## **Device Health**

This page displays various device health information: CPU/Memory/Storage usage, Connectivity, Temperature and App status.



## **User Management**

On this page, you can add/remove users and set user's rights and permissions.

$\leftarrow$	A 不安全   https://192.168.51.64 <sup>.</sup> 8443/app/com.securityandsafetythings.webui/#/user-management     Q ☆ 娃 個 ② …							
=								
Devi	ce	User management						
A	Remote device managemen	Create New User						
ଙ୍	Peripheral	Logged in as user: admin						
0	Device info	Username Q						
#	Privacy mask	Password						
	Virtual cameras	0: 0: Actions						
(	Stream configuration	ac Confirm password 2 3 3						
-	Device health	12 page 15 • 1-1 of 1 < >						
θ	User management	require password change of inscrigin						
	Network	User Permissions						
₿	Date & time	⊘userManagement ⊘lactoryReset ⊘developerMode						
÷	Firmware							
		CREATE CLOSE						
Appl	ications							
	Overview							
۵	Cloud connection							

#### Network

By default, the device has the network setup to receive the IP address via DHCP. On this page you can change different network parameters, disable the DHCP and set a specific IP.

≡	<b>VIV</b> OTEK	Developer N	lode		Device We	b					
Came	ra		Netwo	rk							
0	Preview		neemon	ĸ							
¢	Peripheral		ETHO								
(•)	Zoom / Focus		Tunci	_	ETHEDNET						
0	Device info		MAC:		00:02:D1:90:	:4F:AE					
	Privacy mask		Automatic co	onfiguration (DHCP)							
	Virtual camera		<b>O</b> The	attings halow are d	isabled when		antic configurat	ion is activated			
\$	Video settings										
	Stream configuration		IPv4					IPv6			
	Device health		IP Address	192.168.51.91		/	24	IP Address	fe80::2830:795d:192:d	eac	64
0	User management		Gateway	192.168.51.1				Gateway			
	Network										
Ð	Date & time		DNS 1	192.168.51.1				DNS 1			
÷	Firmware		DNS 2					DNS 2			
Appli	cations							AVE 🕞			
	Overview										
⊕	Cloud connection						DEEDESH C	SAVE ALL	a		
							Activities of C				
湟	Legal										
G	Logout										

#### **Date & Time**

This page allows the user to configure the current date/time on the device, synchronize with computer time and also to enable network time synchronization via an NTP server.

Enabling network time setting is a necessary step when you "**claim**" the camera for downloading apps.

		Developer Mode Device Web
Came	ra Preview	Date & Time
¢;	Peripheral	Device Date & Time (Local)
[+]	Zoom / Focus	The settings below are disable because network-provided time is used instead.
0	Device info	
	Privacy mask	2·51
	Virtual camera	
\$	Video settings	< September 2020 > 12 11 12
(10	Stream configuration	1 2 3 4 5 10 2
	Device health	6 7 8 9 10 11 12 9 <b>3</b>
Θ	User management	13 14 15 16 17 18 19 20 21 22 23 23 25 26 8 4
	Network	27 28 29 30 7 5
₿	Date & time	AM PM
Ŧ	Firmware	Additional Settings
Appli	cations	Use network onrolded time:
	Overview	Time zone: GMT+08:00
۲	Cloud connection	
		REFRESH C SAVE
	Legal	
∕≃ G≯	Logout	

## Firmware

On this page you can perform a Firmware (OS version) OTA upgrade.

≡		Developer Mode	Device Web
Came	ra		
0	Preview	Firmware	
¢	Peripheral	Current Francisco consiste	
(•)	Zoom / Focus	OS_AOSP/qcs605/qcs605:8.1.0	0/root/D20200519_155639:user/test-keys
0	Device info		UPLOAD NEW FIRMWARE
	Privacy mask		
	Virtual camera		
\$	Video settings		
(	Stream configuration		
	Device health		
0	User management		
	Network		
₿	Date & time		
₽	Firmware		
Appli	cations		
	Overview		
œ	Cloud connection		
九	Legal		
G	Logout		

## **Applications - Overview**

On this page, users can see all the installed applications, their status, version and they can also start/stop or uninstall an application using the vertical 3-dot menu:

=	<b>X VIVOTEK</b>
Came	ra
0 0	Preview Peripheral
3	Zoom / Focus
0	Device info
	Privacy mask
	Virtual camera
\$	Video settings
(	Stream configuration
	Device health
0	User management
<b>₽</b>	Network
•	Firmware
Applic	ations
	Overview
٢	Cloud connection
*	Legal
G	Logout

#### Data Magnet and VAST2

To enable the display of video analytics from apps on the VAST2, click on the **App interface and configurations**. Please note that **NOT ALL** S&ST apps can be integrated through the Data Magnet interface.

← 	〇 ▲ 不安全   192.168.51.64:8443/app/com.securityands 用程式 昌 役 Firefox 国人的書 2018_VIVOTEK_bo	afetythin	gs.webui/#/overview	on NAS 🛛 🖉 Windows Media	E. His	story	. Usefu	u 🔜	BUY 🧲	Windows	会 免費的 Hotma	Q ☆	• : *	<ul> <li>LU :</li> <li>其他書籤</li> </ul>
=	Device Web													Q
Came	ra	Ove	rview											
0	Preview	Last upo	date: Wed, 16 Sep 2020 03:01:44 G	MT CREERESH										
¢	Peripheral													
6	Zoom / Focus		Name	Version	ANRs	Crashes	Kills	CPU	RAM	Status				
0	Device info	$\Theta$	FaceBiometrics Pro App interface and configurations		0	0	0	35.6 %	130 MB	Running 28 day(s) lef				
#	Privacy mask	0	VAST2 Data Magnet App interface and configurations	E.						Burning				
	Virtual camera	V	Preinstalled	8.1.0	0	0	0	0.0 %	10 MB	Running				
\$	Video settings	App f	frame rate information	1										
(	Stream configuration		Name	Video Session ID				Cun	rent		Target			
	Device health		FaceBiometrics Pro	6495160242591344000					N/A	15	.151516			
Θ	User management	Same												
	Network	Get a You can	Ipps via Device Manag install apps via the Device Manag	Jement Portal or tool ement Portal after you claimed t	he came	ra or a co	mpatible	e ONVIF c	lient. To	purchase nev	v apps go			
₿	Date & time	to the A	pplication store.											
÷	Firmware	GET	APPS											
Appli	cations													
	Overview													
۲	Cloud connection													

Enter the following to enable the connection through Data Magnet:

- 1. Your VAST2 server IP.
- 2. Data Magnet port: usually 3443.
- 3. Data Source Name: Note that this name **must be identical** to that on the VAST2 Data Magnet setting page.
- 4. VAST2 user name and password.
- 5. Select the app installed on your device. Click the Update button.

	-		 	-	 	 0	0		
Data Magnet Setting									
VAST2 Server IP 192.168.51.211									
VAST2 DataMagnet Port 3443									_
Data Source Name									
VAST2 Username admin									
RESET PASSWORD									
Select Event Source									
To <b>r</b> tonal)								6	4

6. On VAST2 > Settings > Device > Data Magnet, click Add data source.

VAST2	ත \$ +	cru 5% (	мем 49%   🏭 🌲 🏟 — 🔁 ×
🔊 Settings		Device management	
Cameras Cameras Sites Sites POS D/DO devices D/DO devices	ریانی کی انسان کی ا ندان کی انسان کی	Third party data source   Name   IE   Port   3443   Image: Contract of the second s	
田	入文字來搜尋 🛛 🛱 😜 🍅	e 🍳 🧕 📴 💽 🚮	へ 証 🦁 🗣 📾 40) 🖓 🕸 ≜ 1020/9/16 🖏

7. Select Third party data source.



8. Enter the Data Source Name, port (usually 3443), select the associated camera, and click Add.

	$\bigcirc$	
Cameras	Search devices	Third party data source
		Source Single source 🔻
Sites	C <sup>in.</sup> FaceBiometricsPro	Name
POS		Port Use default port
I/O		Data source authorization
DI/DO devices		Related camera Select cameras
C.		
Data magnet		
xternal devices		Add Cancel

9. You can then right-click on a VAST2 view cell to display the Data magnet data. The analytics detection results can display along with the live video.

	Digital zoom Ctrl+Shift+Z Snapshot Ctrl+Shift+C	
	Display information	> 、
Show data Ctrl+Shift+D	Data magnet	>
Edit display data Highlight keyword or value	Add a layout Add a view Replace view	
	Remove Delete Remove all	

## **Applications - Cloud Connection**

You can connect your device to Security and Safety Things cloud where you can install and manage the applications, buy additional licenses and monitor your camera's health. Also, if crash reporting is enabled, all the information about application crashes is sent to the cloud where it can be easily retrieved.

≡		Developer Mode Device Web
Came	era Preview	Cloud connection
¢	Peripheral	If cloud based device management is enabled, this camera can be managed via the Device Management Portal once it has been registered.
(•)	Zoom / Focus	cloud based device management
0	Device info	To enable managing your device online via the Device Management Portal, you need to register your device once. Click on the button below to generate a one-time password for claiming.
	Privacy mask	
	Virtual camera	
\$	Video settings	in creasine porting is entabled, mormation about any application creasies will be sent to the cloud. The mormation is anonymous and used purely for the purposes of troubleshooting and analysis.
Î	Stream configuration	crash reporting
	Device health	
θ	User management	
	Network	
₿	Date & time	
Ť	Firmware	
Appli	cations	
	Overview	
٢	Cloud connection	
九	Legal 🗸	

In order to be able to install applications through the Device Management Portal, the camera has to be connected to the Security and Safety Things cloud. That process is called claiming.

The prerequisites for connecting the camera to the cloud are:

- You have an account on the S&ST Device Management Portal.
- · Cameras have a non-restricted access to the Internet.
- Your camera has a valid certificate. Please verify this by accessing the camera using a web browser and go to the Device info page. Then check if a Device ID is present:

Camera		Device info	iera
0	Preview		Preview
ଦ	Peripheral	Device ID a0d32915bdbaaca1e72d	Peripheral
(•)	Zoom / Focus	Manufacturer	Zoom / Focus
0	Device info	Model	Device info

 Your device has a proper date/time setting. This can be verified and set on the Date & time page on the camera's front end.

Proceed with the following for connecting the camera to the Device Management Portal:

- 1. Go to the Date & time option on camera's web console and enable "Use networkprovided time". If necessary, please configure your own NTP server
- 2. Go to Cloud connection option and enable "cloud based device management". A popup will appear with a message. Click Continue.
- 3. Click on "CLAIM DEVICE."

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=			Q	Î.
A	Remote device management	Cloud connection		
¢	Peripheral			
0	Device info	Cloud based device management If cloud based device management is enabled, this camera can be managed via the Device Management Portal once it has been registered.		
	Privacy mask	cloud based device management		
	Virtual cameras	To manage your device online via the Device Management Portal, you need to register your device once. Then you can remotely manage, install apps and maintain your camera. Click on the button below to claim the camera.		
	Stream configuration	Claim device		
	Device health			
0	User management	Cra Claim the camera to the Security and Safety Things device management portal. If cra Ioud. The information is anonymous and used		
	Network	pure CANCEL CLAIM		
₿	Date & time			
÷	Firmware			
Appl	ications			
	Overview			
œ	Cloud connection			
1/2	Legal			

Clicking the CLAIM button will redirect you to the Device Management Portal page where you can enter some additional information regarding this camera:

#### Click CONTINUE.



On the Device Management Portal page, you can enter some additional information regarding the device:

- Camera name
- Client
- Location name

• Street address (optional)

Click the SAVE button in order to save the changes and your camera will appear in the list of cameras on the Device Management Portal.

$\leftarrow$ $\rightarrow$ $\circlearrowright$ $\land$ https://devices.securityand	safetythings.com/systems?deviceId=6e75857b-bc5b-4e30-9786-0b5d962322d2		\$	r∕=	Ē	
Comerse	Camera successfully added The camera: 6e75857b-bc5b-4e30-9786-0b5d962322d2 has been added to the integrator portal. Add additional camera information to identify the camera in the camera list.	×				
Application Store >	Add camera information Camera name 6e75857b-bc5b-4e30-9786-0b5d962322d2		ath Frontend.			
	Location name	_	teed Appen	×	5.77	uali
	Street address (optional)				Lo	unio a
Collapse sidebar	SAVE				н	alth

On the Device Management Portal page, you can see all connected devices/cameras.



Click to select your device. On the right pane, click INSTALL APP.

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ent:	All V Location: All V	Status: All V		С	Search ×	
	1 item selected			į	법 INSTALL APPS :	6e75857b-bc5b-4e ● :
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	103.15	168 10F	AI-Box	•	ü	
	FD9392-sam-dev	TW	Of36ade4-6394-459	٠	ü	
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	AIBOX	VVTK Office	403834746808	٠	A 🕐 🚺 🕐	
	Aibox1_with_secure	OPBD	4ac58bd1-ecbe-48ef	•	iii Ü	
4						

Scroll to select an app. Select and click INSTALL.

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C tan wated	Aver	Requires: OS 1.2 By Altech	1 available
Select app	- 704142 OSSA	Al FaceDetect Deep	1 available
You have selected <b>one camera</b> . Choose the app you want to install among the available ones.	- VENOTER AUS	EmotionAnalysisDe (Tim) By Vasge Technologi Requires: OS 1.1	3 available
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## **Applications - Legal**

This page provides legal information for the OS.



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## **Electromagnetic Compatibility (EMC)**

#### **FCC Statement**

This device compiles with FCC Rules Part 15. Operation is subject to the following two conditions.

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a partial installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Shielded interface cables must be used in order to comply with emission limits.

#### **CE Mark Warning**

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

#### **VCCI Warning**

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