# Contents



Each box contains:

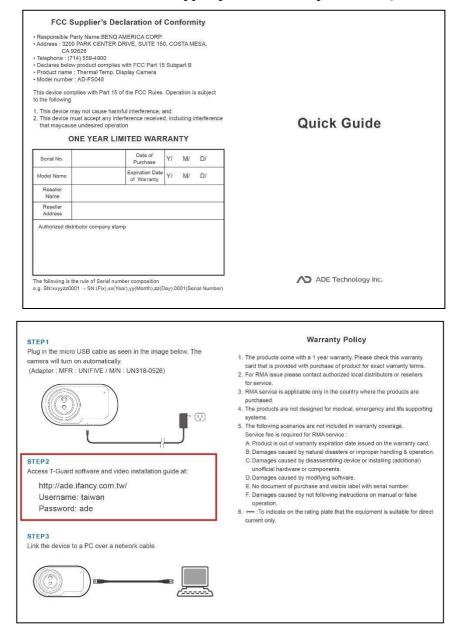
- Infrared Thermal Imaging Camera
- Quick Guide

#### **Download and installation instructions**



#### Min. Computer Requirements: • Intel Core i5 CPU or above • 4GB Memory or above • Main Disc Capacity 200GB or more • Secondary Disc Capacity 1TB or more • Windows 7 / 10 OS

The link to download the T-Guard app is provided in Step 2 of the Quick Guide.



Open a browser and link to the URL provided.

🕄 ade.ifancy.com.tw 🛛 🖌	f	Downloads	
← → C ③ ade.ifancy.com.tw	Sign in	Pin to Quick. Copy Paste P Posteshortcut. Move Copy Delete Rename New Properties Philotory Posteshortcut. To - to - folder Properties International Properties International Properties Philotopy Philotopy Properties Philotopy Properties Philotopy	lect all lect none vert selec Select
	http://ade.ifang.com.bv Your connection to this site is not private Username taiwan		
	Personal	Costingent     Constructs     P     Constructs     P     Constructs     P     Constructs     P     Constructs     P     Constructs     P     Construct	

- Create a new folder on the Desktop. Name it "T-Guard."
- Save the installation file "VMS-Setup-v4.25.0.xx" to the T-Guard folder
- Extract the file

•

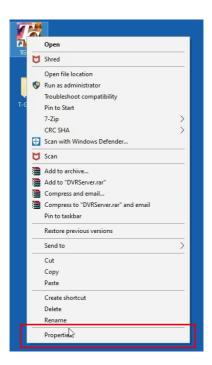
t	Downloads					
		12.000 NO.000				
	File Home	Share View	18			Transverse and
		Paste	Move Copy to - Lo -		Properties	Select none
	access Cli	board	to - to Organize	folder	Open	Select
		bboard	Organize	New	Open	Select
	← 🗹 🖬 🔻					
	$\leftarrow \rightarrow \sim \uparrow$	> T-Guard				
		▲ Name	^	Date modified	Type Siz	e
	📌 Quick access	What Setup	v4.254.0.98(ADE-TGuard-EN) 2		10 A	96,166 KB
	Desktop	*	v4.2.94.0.90(ADE-100810-EN)	020/4/011101	WING-03 (20)(01)00 2	.50, 100 KB
	🕹 Downloads	*				
<b></b>	Documents	*				
T-Guard	Pictures	*				
	20190424					
	test					
	VMS					
				N		
	一小亦					
				€¢		
	🔜 外交			13		
	<ul> <li>OneDrive</li> </ul>			43		
				4		

• Right-click on the installation file. Select "Run as administrator."

After installation, a shortcut to the T-Guard app will appear on the Desktop.

🖏 VMS_Setu	p_v4.254.0.98	2020/4/6 11:01	Application	296,166 KB
🖀 VMS-Seti	PLASEA OOMADE TOURA CAN	2020/1/6 11-01		296,166 KB
	Open			
	💡 Rup as administrator			
	Troubleshoot compatibi	lity		
	Pin to Start			
	7-Zip		>	
	CRC SHA		>	
	Scan with Windows Def	ender		
	💆 Scan			

- Right-click the T-Guard icon.
- Select "Properties."



- Select "Advanced..."
- Tick the checkbox for "Run as administrator."

Security	Details	Previous Versions		-
General	Shortcut	Compatibility	Advanced Properties	
TGL	ard		Choose the advanced properties you want for this shorted	ıt.
Farget type:	Application		Run as administrator	
Farget location: \	VMS		This option allows you to run this shortcut as an	
Target:	"C \Program Files (x86)\VM:	S\DVRServer.exe"	administrator, while protecting your computer from unauthorized activity.	
			Run in separate memory space	
Start in:	"C:\Program Files (x86)\VM	5\"		
Shortcut key:	None		4	
Run:	Normal window	~		
Comment:			OK Car	cel
l		Advanced	Open File Location Change Icon Advanced	Γ
Open File Loc	cation Change Icon	Advanced LS	Open File Location Change Icon Advanced	L
				L
				L
				L
				ι.

- Click "OK." Then click "Apply."
- Click "Continue."

Security	Details	Previous Versions	Security	Details	Previous Versions		
General	Shortcut	Compatibility	General	Shortcut	Compatibility		
<b>6</b> T	Guard		TGuar	rd			
arget type:	Application		Target type: Ap	plication			
arget location	: VMS		Access Denied		×		
arget:	"C:\Program Files (x86)\	VMS\DVRServer.exe"			le administrator		
tart in:	"C:\Program Files (x86)\	VMS\"	permissio	on to change t	hese settings.		
hortcut key:	None		Click Continue to complete this operation.				
lun:	Normal window	~		Cor	tinue Cancel		
comment:			Comment:	L'S			
Open File L	ocation Change Ico	n Advanced	Open File Locat	tion Change lo	on Advanced		

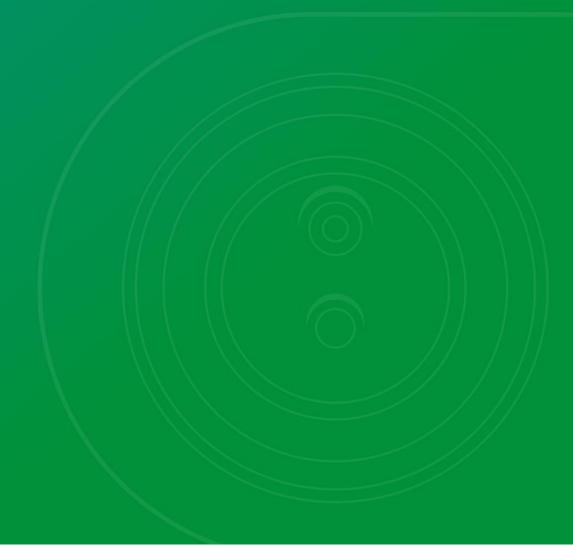
- Select "Compatibility."
- Click "Change settings for all users."

TGuard Propert	ies	×	15 TGuard Propert	ies		×
Security	Details	Provioue Versione	Security	Details	Previous Versions	
General	Shortcut	Compatibility	General	Shortout	Compatibility	
If this program isn't try running the com	working correctly on this patibility troubleshooter.	s version of Windows,		working correctly on t patibility troubleshoot	this version of Windows, er.	
Run compatibilit	ty troubleshooter		Run compatibili	ty troubleshooter		
How do I choose o	compatibility settings man	nually?	How do I choose of	compatibility settings m	anually?	
Compatibility mod	le		Compatibility mod	le		
Run this prog	ram in compatibility mode	e for:	Run this prog	ram in compatibility m	ode for:	
Windows 8			Windows 8		~	
Settings			Settings			
Reduced cold	or mode		Reduced cold	or mode		
8-bit (256) color	~		8-bit (256) color	~		
Run in 640 x	480 screen resolution		Run in 640 x	480 screen resolution		
Disable fullsci	reen optimizations		Disable fullsc	reen optimizations		
Run this prog	ram as an administrator		Run this prog	ram as an administrati	or .	
Change hi	gh DPI settings		Change hi	gh DPI settings		
Change sett	tings for all users		Change set	ings for all users	1	
	ОК	Cancel Apply		ОК	Cancel Apply	
	UK	Lancei Popily		UK	Cancel Apply	

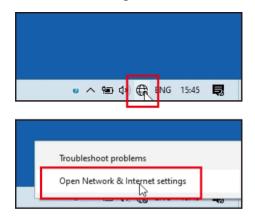
- Tick the checkbox for "Run this program as administrator."
- Press "OK" and exit.

ecurity	Details	Previous Versions		Security	Details	Previous Versions
General	Shortcut	Compatibility		General	Shortcut	Compatibility
OVRServer Pr	operties	L	×	If t try DVRServer Pr	operties	4
Compatibility	for all users			Compatibility	for all users	
on an earlie	r version of Windows as that earlier version	rogram and it worked corre , select the compatibility n ,	ectly node	on an earlie	r version of Windows that earlier version	rogram and it worked correct , select the compatibility mo ,
	iity mode iis program in compat	ibility mode for:			is program in compat	ibility mode for:
Windows	8	~		s Windows	8	~
Settings				Settings		
Reduc	ed color mode			Reduc	ed color mode	
8-bit (25	6) color 🔍 🗸			8-bit (25	6) color 🛛 🗸	
Run in	640 x 480 screen res	solution		Run in	640 x 480 screen re	solution
Disable	e fullscreen optimizati	005		Disable	e fullscreen optimizati	ons
Runt	nis program as an adm	ninistrator		Run t	nis program as an adn	ninistrator
ht cha	ange high DPI settings			Cha	inge high DPI setting	5

# Network settings on the PC



#### Right-click on "Network & Internet Settings"



- Select "Ethernet."
- Click "Change adapter options."

Settings	
බ Home	Ethernet
Find a setting	PP 乙太網路 Not connected
Network & Internet	
Status	Related settings
//k Wi-Fi	Change adapter options
🔛 Ethernet	Change advanced sharing options
ි Dial-up	Network and Sharing Center Windows Firewall
% VPN	
와 Airplane mode	Get help
<sup>((၂))</sup> Mobile hotspot	
🕑 Data usage	
Proxy	

Click "Network cable unplugged."



Click "TCP/IPv4.

📱 乙太網路 Properties	Х
Networking Sharing	
Connect using:	
👮 Realtek PCIe FE Family Controller	
Configure	
This connection uses the following items:	_
✓     Client for Microsoft Networks       ✓     File and Printer Sharing for Microsoft Networks       ✓     ✓       ✓     ●       ▲     和珍纲路通訊協定第 4 版 (TCP/IPv4)       ▲     ▲       ▲     Microsoft Network Adapter 多」語週間協定       ▲     ▲       ▲     Microsoft Network Adapter 多」語詞題刊協定       ▲     ▲       ▲     Microsoft LLDP 通訊協定額 6 版 (TCP/IPv6)        ▲	
Install Uninstall Properties	
Description 讓您的電腦能夠存取 Microsoft 網路上的資源。	
OK Cance	ł

- Select "Use the following IP address."
- Enter "192.168.1.10" in "IP address:"
- Enter "255.255.255.0" in "Subnet mask."
- Press "OK" and exit.

🎙 Z,t	大網路 Properties	×	]
Network	king Sharing		
Co #	周際網路通訊協定第4版(TCI	P/IPv4) Properties	×
	General		
Th E	You can get IP settings assigned this capability. Otherwise, you r for the appropriate IP settings.	need to ask your network admi	
	Obtain an IP address auto	matically	
	<ul> <li>Ose the following IP addre</li> </ul>	ss:	
	IP address:	192.168.1.10	0
	Subnet mask:	255 . 255 . 255 . 0	
	Default gateway:		
- 6	Obtain DNS server address	s automatically	
	• Use the following DNS serv	ver addresses:	
	Preferred DNS server:		
	Alternate DNS server:		
	Validate settings upon exi	it	

Run the T-Guard app.

#### Installation of infrared thermal imaging camera



The camera body has three quarter-inch screw holes.

Depending on your tripod configuration, you may mount it from the top, bottom, or rear.



- Insert a network cable into the LAN port on the thermal imaging camera.
- Plug the power cable into the thermal imaging camera.
- Insert the other end of the LAN cable into a LAN port on your PC.





The power adapter supports 100V to 240V input

- After turning on, wait for the blue indicator light to stop flashing. This indicates that the device is operating normally.
- To ensure accurate measurements, allow the thermal imaging camera to warm up for 10 minutes prior to use.



### Setting up a screening passageway



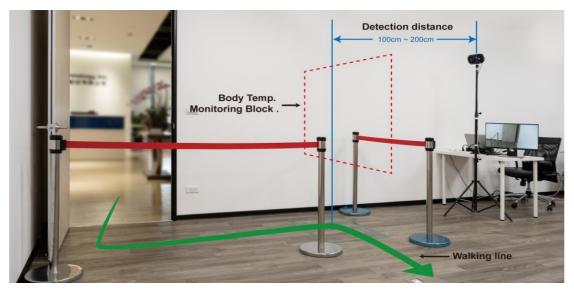
The thermal imaging camera should be set up at around 180 cm to 200 cm from the ground.

The correct depression angle is 10 to 15 degrees.

•



- Detection is most accurate at between 100 cm and 200 cm.
- The thermal imaging camera must be pointed in the direction of approaching people.
- Individuals being scanned may exit after passing through the predefined Body Temperature Monitoring Block.
- The background within the Body Temperature Monitoring Block should be free of other heat-emitting items.



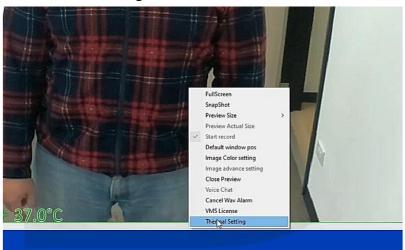
### **Temperature measurement settings**



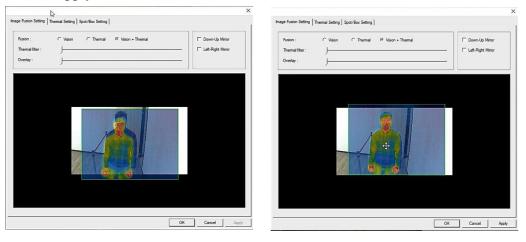
- Run T-Guard software.
- A live image will automatically come on screen.
- One inspector should stand beside the Body Temperature Monitoring Block.
- Use a forehead thermometer to detect body temperature.
- For example, let's say the temperature taken is 36.5 degrees Celsius.



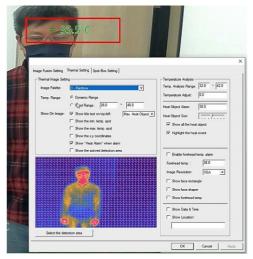
- First, right-click on the live image.
- Then click "Thermal Settings."

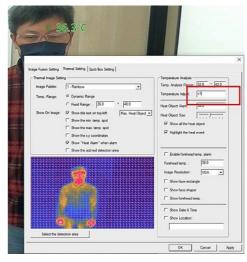


- In "Image Fusion Settings,"
- left-click and hold the thermal image,
- then drag the thermal image so that it overlays the visual image.
- Click "Apply."

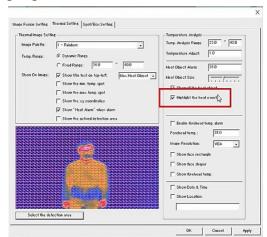


- Click "Thermal Setting."
- Observe individuals' body temperature over a period of one to two minutes.
- If most of the temperatures recorded are 35.5 degrees,
- while the temperature recorded with the forehead thermometer was 36.5 degrees,
- the thermal imaging camera must be synchronized to the forehead thermometer's results by selecting "+1 C" in the "Temperature Adjustment" setting.
- The thermal imaging camera should be calibrated every day prior to use.

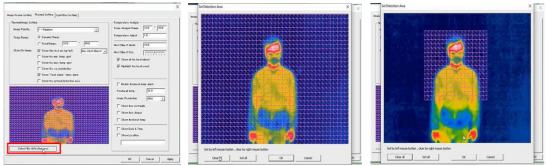




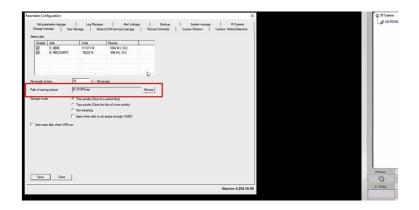
#### Tick the checkbox "Highlight the heat event."



- Click "Select the detection area."
- Click "Clear all."
- Left-click and hold the image.
- Now, with the mouse, define the temperature detection area.
- Right-click and hold the image to erase the defined detection area.
- Press "OK" and exit.



- Click "Setup."
- In "Storage manage"
- the location where snapshots are saved may be changed in "Path of saving picture:" (The default is D:/DVRSnap).



- Select "Alert Linkage."
- Tick the checkbox for "Snapshot."
- Click "Save."
- Click "Close" and exit.

	ge Setting						Combination Options	
Enable	Device	Source	Linkage	_	Remark			m Files (x86)\VMS\wav\Dir
	AD-F\$048FIP-1921 AD-F\$048FIP-1921	Thermal Temp	Wave Snapshot			les (x86)\VMS\ 192.168.1.100	. Snapshot/AD-FS	perature/AD-FS045IF-192 048FIP-192.168.1.100 perature/AD-FS048FIP-192
< Ad		Modily	∫ ∽ ssl		25 eneral >>	,	Combination Seconds:	5
	Usemane.			Fassword.	Test	. I		

## Screening passageway operation



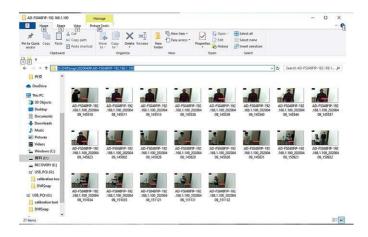
- Individuals must pass through the screening area one by one.
- At the top left of the screen, a "green" temperature indicates a normal body temperature.
- If the top left indicates "red," it indicates an abnormal body temperature.
- When an abnormal temperature is detected, the "Heat Alarm" warning message will display over the live image.
- The system will capture the live image, display it at the lower right corner of the screen, and sound an alert.
- The playback volume may be adjusted through the PC's volume settings.



Heat alarm snapshot photos will be saved in D:/DVRSnap or the user-defined location.



You could find all the heat alarm snapshot photos in D:/DVRSnap



# Thanks for watching!

