

# FIRMWARE ANNOUNCEMENT

January 2024

# SUBJECT

Experience the improved Ossia NVR - V1.4.10

Ossia NVR v1.4.10 (supported models at the end) LIST OF IMPROVEMENTS:

# 1) NEW: CHECK POINT SUPPORT

The ultimate cyber protection is now a reality with the revolutionary **Check Point IoT Protect Nano Agent.** This innovative technology provides **runtime protection** 



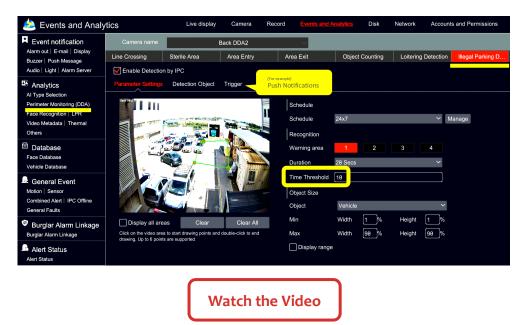
for IP-connected CCTV systems, fortifying the cameras with built-in firmware security.

# 2) NEW: ILLEGAL PARKING

Parking in a prohibited space? Blocking someone's car? Not on our watch!

Take control with our latest feature that delivers **real-time sound alarms** and **alert notifications** for unruly parking situations.

You can **set up to 4 different forbidden parking spaces**, pick 4-wheeled, 2-wheeled, or both, and **easily search** for those events and use them later as evidence.

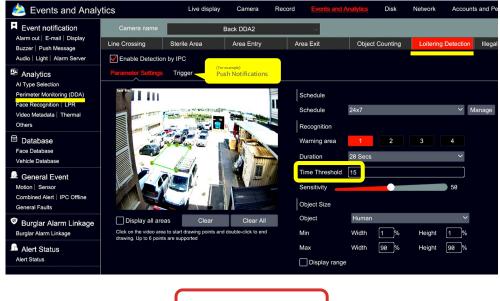


# 3) NEW: LOITERING

Is someone hanging around for no apparent reason? Lurking outside a bank, wandering aimlessly around a store for an hour without intending to buy anything? Want to know what they're about? Well, say hello to the new Loitering Detection!

It allows you to receive **real-time sound alarms** and **alert notifications** whenever someone wanders around in the area for too long.

You can **set up 4 different areas, easily search** for those events, and use them later as evidence.



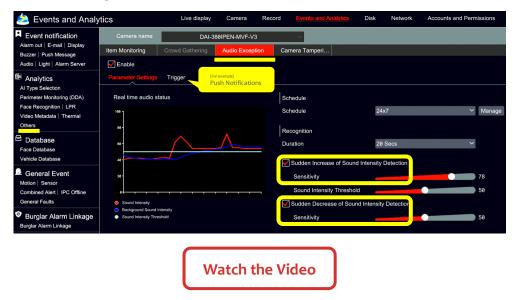
# Watch the Video

# 4) NEW: AUDIO EXCEPTION

Alerts with Impact: Real-Time Sound Surveillance!

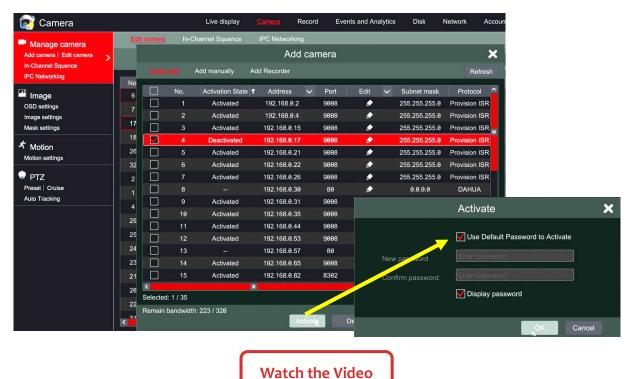
From sudden gunshots to unexpected silence, receive **real-time sound alarms** and **alert notifications** when **sound intensifies**, such as gunshots, dog barking, kids playing soccer indoors, or **decreases below the acceptable volume level**, like heavy machinery stopping working or construction site noises stopping abruptly during expected working hours.

You can also **set your preferred threshold needs**, ensuring notifications are only received for prolonged anomalies.



# 5) NEW: IPC ACTIVATION

Forget the hassle of activating IPC only through the IP manager. Now, you can **do it effortlessly right from the NVR's interface**. Plus, during activation, easily set the **IPC password** to **match the NVR's default**, Simplifying the process and making security a breeze!



# 6) IMPROVED: PASSWORD STRENGTH

Robust Guard: FW v1.4.10 establishes a new default: "strong" password.

Previously, any password strength could be used. With FW v1.4.10, the **default password requirement is "strong."** 

If you upgrade the firmware with a medium or low password, the NVR will stay connected to the App/VMS.

However, if you log out or access the NVR through the web-cloud interface, you will be prompted to change to a "strong" password.

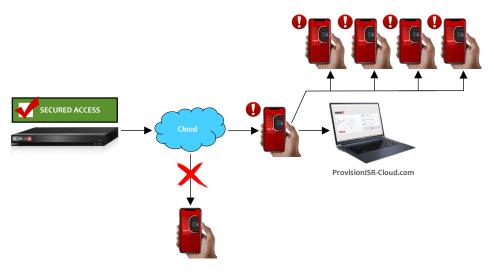
Modify password			
Current password			
New password			
1			
Confirm password			
1.8 to 16 characters 2.Support three or more characters	e numbers,letter	s,special	
	ОК	Cancel	

# 7) NEW: SECURED ACCESS

QR Code? Not Today! Double Authentication puts the brakes on NVR break-ins!

Before this new feature, anyone scanning the QR code or using the S/N with the right credentials could log in to the NVR using the cloud.

With **Secured Access**, Say goodbye to unauthorized access via the cloud. Anyone scanning the QR code **is blocked**, and Cloud website access requires **Double Authentication**: it sends a push notification to the **bound end-user** (the owner) with a **one-time code** to give to the person trying to access the NVR.

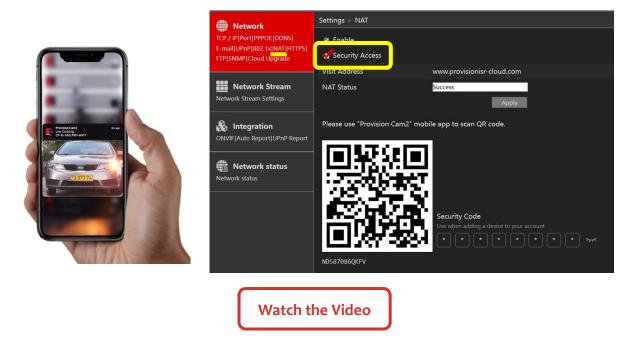


#### 8) IMPROVED: ANALYTICS THUMBNAIL NOTIFICATIONS

Preview and Respond: A New Dawn in Notifications!

Thanks to the new push 2.0 mechanism on the NVR, users can now preview notifications without unlocking their phones. The notification message appears on the lock screen with an **expandable thumbnail that displays an entire image**, allowing users to respond promptly and effectively.

\* Requires Cam2 App Account Binding + Secured Access. \*\* The Secured Access feature needs to be activated.



# 9) IMPROVED: DOORBELL DOORLOCK SUPPORT

#### Face the future of door entry!

Until now, when the Doorbell was connected to a Face Recognition NVR, it could **record as a regular camera stream with various analytics**, such as face detection.

The **"Open the Door" trigger** in the v1.4.10 FW allows the Doorbell to use the NVR's face recognition function to open the door instead of an RFID card or from remote via the Cam<sub>2</sub> App.

Events and Analy	rtics	Live display	Camera	Record	Events a	nd Analytics	Disk	Network	Accounts and Permission	ons System	×
Event notification		DB-3	20WIPN-doorb	el	~						
Alarm out   E-mail   Display Buzzer   Push Message	Detection	Recognition									
Audio   Light   Alarm Server	Enable 😽 Suc	cessful Recognition	Unrecogni	zed						Al Resource: 16.6	57% 🖻
Analytics	Parameter Settings			ognized							+ -
Perimeter Monitoring (DDA) Face Recognition   LPR Video Metadata   Thermal	Face Group	24x7	~								
Others	Schedule Text Prompt	24x1		Manage							
Database     Face Database	Enable alarm	output pulse									
Vehicle Database	🗌 Trigger Ge	neral	Record (	Configure	Alarm out	Configure	Snapshot	Configure	Camera name	Preset name	
General Event	V Push		DB-320WIPN-	doorbel					FEI-2120IPN	None	
Combined Alert   IPC Offline	Buzzer								14-360IPEN-MVF-V4	None	
General Faults	Video Pop-	up							I6-2120IPEN-MVF-V4	None	
Burglar Alarm Linkage	E-mail								DDA 2nd Gen	None	
Burglar Alarm Linkage	Message B										
Alert Status	Open the d	loor									

Watch the Video

# 10) IMPROVED: LPR CAMERA SETTINGS

Version 1.4.10 ushers in convenience and innovation.

All LPR Camera settings are now available directly on the NVR's interface.

Configure special LPR comparison rule settings and even detect the vehicle's direction, whether making a grand entrance or bidding a stylish exit.

You read it right! The NVR now recognizes cars **approaching or leaving** using a **single LPR camera**.

Camera name	163	20LPRMVF1	~ ~				
Detection	Recognition						
🗹 Enable							
Parameter Settings							Advanced ~
			Schedule			Recognition Mode	General Recognition
50	Ni m		Schedule	24x7	∕ Ma		General Recognition
Sec. Part	and man			2481	IVId		Recognize when approaching
ADDASS	3		Area				Recognize when driving away
- :09			Detection Area	1		,	
			Blocked Area	1 2 3	3	4	
	يالين المستعم	and and and	Recognition				
a Real Section		and the second	Plate Region	Asia 💊	ראל '	יש	~
and the second			Plate Exposure				
			Capture Veh	icles without License plate			
Display all area	mouse button to draw the a	Clear All	Plate Size(Rang	e:1%~50%)			
FIGS BILLING DR	mouse outon to train the a		Min	3	]%		
			Max	50	}%		
				Display range			

Provision-ISR Technical Dept: <a href="mailto:support@provisionisr.com">support@provisionisr.com</a>

# 11) IMPROVED: MULTIPLE AI RULES

The IPC's recent update brought the magic of **combined features** where you could simultaneously activate the Face Detection feature or multiple real-time Analytics. Now, it's the NVR's time to mesmerize.

The NVR now supports AI switching on your IP Cameras.

Depending on your Camera's FW (5.1.3.0 / 5.1.3.1), your **NVR's display will showcase 3** or 2 icons.



# 12) NEW: IP CAMERA CLOUD UPGRADE

Upgrade your Game!

With this new feature, NVRs will offer **direct IPC FW upgrades**.

\*Will support IPC version **5.2**.X (future release)

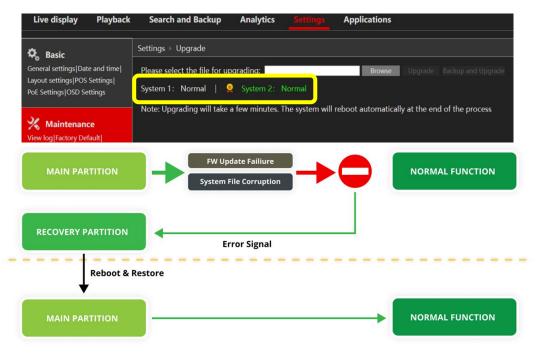
V Cloud Upgrad	e				
Device Upgrade	Channel U	pgrade			
Camera name	Address	Current Version	New Version	Cloud U	Upgrade
	×				
				Bat	ch Upgrade
				OK	Close
				् 🙆	12/28/2023 12·09·41

#### 13) NEW: DUAL SYSTEM SUPPORT

Double the Power, Double the Confidence!

Our new NVRs (with suitable hardware) are rocking a **dual partition setup**, where the primary partition **features the Ossia OS**, and the secondary stands tall as the **mighty backup**.

Fear not the FW updates or power glitches. Our strategic setup **ensures flawless performance** and installer confidence like never before!



# 14) IMPROVED: THERMAL IPC ON POE

Prior to this update, thermal cameras <u>connected via PoE could only display the Optic</u> <u>channel</u>. With this latest update, Thermal IPC connected to a **PoE NVR** offers a **dualview experience**.

Enjoy thermal and optic streams, **utilizing two channels and two ports** for an enhanced perspective.

						Search	n camera		۹
No.	t	Camera name	Address	Port	Status	Protocol	Model	Preview	E
20		IP camera02	172.18.254.14	9008	Offline	Provision ISR	DMA-380IPEN-28-V3	$\triangleright$	
22		IP camera03	172.18.254.15	9008	Offline	Provision ISR	I6-320LPR-MVF1		
25		IP camera04	172.18.254.70	9008	Offline	Provision ISR		$\triangleright$	
13	[PoE13]B	LH-THERMAL-25-OPTIC_CH	172.18.254.113	9008	Online	Provision ISR	BLH-THERMAL-25	$\triangleright$	
26		THERMAL	172.18.254.113	9008	Online	Provision ISR	BLH-THERMAL-25	ightarrow	

# **15) NEW: EXPANDING POE INFRASTRUCTURE**

Adding PoE cameras in remote locations just got easier.

Until now, you had two options. Connecting each camera directly to the PoE NVR **using a cable** or Connecting all Cameras to a remote PoE Switch and that switch to the PoE NVR via the **regular LAN connection**.

With v1.4.10, you can add remote cameras to one of the PoE ports in the PoE NVR via a PoE Switch, but here's the tip - **preconfigure each camera with a static PoE** for a flawless setup!

For example, you have a remote camera connected directly to a PoE NVR with a cable and want to add 3 more cameras. Now, you can connect all 4 cameras to a PoE switch and, using the existing cable, the switch to the PoE NVR.

😪 Network		Live display	Camera	Record	Events and An	alytics Disk
Network	TCP / IP Port	PPPoE I	DDNS E-ma	ail UPn	P 802.1x	NAT FTP
TCP / IP   Port   PPPoE DDNS   E-mail   UPnP	IP address settings					
802.1x   NAT   FTP   SNMP Cloud Upgrade	Work Pattern	Multiple A	Address Setting	~	Modifying work	pattern requires a
Network Stream	Ethernet Port 1	(Online)	Ethernet Port 2 (	Offline)	Internal Ethernet F	Port ( Online )
Network Stream Settings	IPv4					
SINTEGRATION	Address	172 .	18 . 254 .	1		
UPnP Report	Subnet mask	255 . 2	255 . 255 .	0		
Network status	Mode	Standard mo	ode	~		
Network status		Standard mo				
Network Status Detection		CCTV mode				

# 16) IMPROVED: ACTIVE DETERRENCE IPC CONTROL

Take control with FW v1.4.10.

You can **schedule** when the **strobe lights and speaker on Active Deterrence IP Cameras** kick in.

Also, in the previous v1.4.7 release, we introduced the "Burglar Alarm Linkage" feature, allowing automatic control of all NVR triggers using your burglar alarm. Now, it **includes the Active Deterrence cameras updated to FW v.5.1.2 and above**.

ዾ Events and Analy	tics	Live display	Camera Record		B Disk	差 Events and Analy	/tics	Live display	Camera	Record Events and Ana	Ilyfics Disk Network
Event notification Alarm out   E-mail   Display Buzzer   Push Message Audio   Light   Alarm Server	Alarm out E-mail	l Display Bu	uzzer Push Messag	e <u>Audio</u> Ligh	nt Alarm S	Event notification     Alarm out   E-mail   Display     Buzzer   Push Message     Audio   Light   Alarm Server	Alarm out E	-mail Display	Buzzer Pu:	ish Message Audio	Light Alarm Server
Analytics	Voice Broadcast Audi	o Device				Analytics	Carr		Enable	<ul> <li>Flashing Time (See</li> </ul>	
AI Type Selection Perimeter Monitoring (DDA)	Camera	Face Attendance	~			Al Type Selection	Active De	Iterrance	On	<ul> <li>✓ 21</li> </ul>	Medium ~
Face Recognition   LPR	Audio	🖌 Enable				Perimeter Monitoring (DDA) Face Recognition   LPR					
Video Metadata   Thermal Others	Voice	Warning area, leave	as soon as possible 🗸	Add Delete	Play Audio	Video Metadata   Thermal Others					
Database     Face Database	Times	5				Database					
Vehicle Database	Volume	100				Face Database Vehicle Database					
General Event     Motion   Sensor     Combined Alert   IPC Offline	Language	English	~		×	General Event					
General Faults	Audio trigger schedul	e	_	_		Combined Alert   IPC Offline General Faults	Flashing Light L	inkage Schedule			
Burglar Alarm Linkage Burglar Alarm Linkage	Schedule	_	24x7 ~	Manage		<ul> <li>Burglar Alarm Linkage</li> <li>Burglar Alarm Linkage</li> </ul>	Schedule *Schedule setting:		24x7	Manage	
Alert Status	*Schedule settings for I	PC audio warning trigg	ger				Schedule setting	, IOI IEI - Jangari	tugger		
Alert Status			Apply		24>	7 <b>x</b> ~					
					24>	(7					
					24>	(5					
					24>	<2					
					Nor	าย					

# Supported models: DI-340AD-MVF, I4-340AD-MVF

#### SUPPORTED MODELS

NVR5-4100PXN(MM)
NVR5-4100XN(MM)
NVR5-8200PXN(MM)
NVR5-8200XN(MM)
NVR8-4100PN-V2
NVR8-8200N
NVR8-8200N-V2
NVR8-8200PN-V2
NVR8-16400AN(1U)
NVR8-16400AN(1U)-V2
NVR8-16400PAN(1U)-V2
NVR12-8200FAN
NVR12-8200PFAN
NVR12-16400FAN(1U)
NVR12-16400PFAN(1U)
NVR12-32800FAN(1U)-V2
NVR12-32800FAN-16P(2U)
NVR12-32800RFAN(2U)-V2
NVR16-128RFAN(3U)

NVR16-641600RFAN(2U)