

Cámaras de vigilancia

Aspectos técnicos versus
eficiencia y presupuesto.

MÁS ES MEJOR ?



**TODOS
QUEREMOS
CÁMARAS Y
MÁS
CÁMARAS**



ENTONCES, MAS ES MEJOR?



COMPATIBILIDAD , UN MITO ?



PROTOCOLO ONVIF.

ONVIF (Open Network Video Interface Forum) es una norma de comunicación que permite a los productos IP de la industria de la videovigilancia (cámara, grabador) comunicarse entre ellos, sea cual sea su marca o su modelo. Se trata de un foro mundial creado en 2008 para normalizar la comunicación entre estos distintos equipos en una misma red y sistema.



ALGUNOS EJEMPLOS DE SOFTWARES.



Device support					
Support for ONVIF & PSIA compliant devices	✓	✓	✓	✓	✓
Generic device support via Milestone universal driver	✓	✓	✓	✓	✓
Metadata from camera embedded analytics	✓	✓	✓	✓	✓
Number of supported IP devices	11000+	11000+	11000+	11000+	11000+
Secure HTTPS camera connectivity (on supported devices)	✓	✓	✓	✓	✓
Adding devices on HTTPS ³	✓	✓	✓	✓	✓
Single device firmware upgrade ⁴	✓	✓	✓	✓	✓
Bulk device firmware upgrade ⁴	-	-	-	✓	✓
Device firmware version listing	✓	✓	✓	✓	✓
Update hardware – refresh option	✓	✓	✓	✓	✓

ALGUNOS EJEMPLOS DE SOFTWARES.

AVIGILON™

DEVICE SUPPORT	CORE	STANDARD	ENTERPRISE
Automatic device discovery	✓	✓	✓
Fisheye dewarping	✓	✓	✓
Third-party IP cameras and encoders	✓	✓	✓
ONVIF compliant cameras and encoders	✓	✓	✓
H6A cameras (available October 2023)	✓	✓	✓
H6SL cameras	✓	✓	✓
H5A cameras with AdaptAI Video Analytics	✓	✓	✓
H5 Pro and H4 Pro cameras	✓	✓	✓
H4A cameras with Self-Learning Video Analytics	✓	✓	✓

ALGUNOS EJEMPLOS DE SOFTWARES.



Parameter		Single Server	Multiple Servers
Sub Servers per System	Sub Servers	-	10 servers
	Devices [®]	2,000 devices	20,000 devices
Total Devices	Auto-registered Devices	1,000 devices	10,000 devices
	Video Devices and Channels [®]	1,000 devices; 2,000 channels	10,000 devices; 20,000 channels
Video Devices and Channels	Devices Added by Hikvision Protocol	500 devices; 2,000 channels	5,000 devices; 20,000 channels
	P2P Devices	32 devices	
	Devices Added by ONVIF Protocol	1,000 devices; 2,000 channels	10,000 devices; 20,000 channels
	ANPR Channels	500 channels	5,000 channels
	Face Recognition Devices and Channels	100 devices; 500 channels	1,000 devices; 5,000 channels
	Video Metadata Channels	500 channels	5,000 channels

ALGUNOS EJEMPLOS DE SOFTWARES.



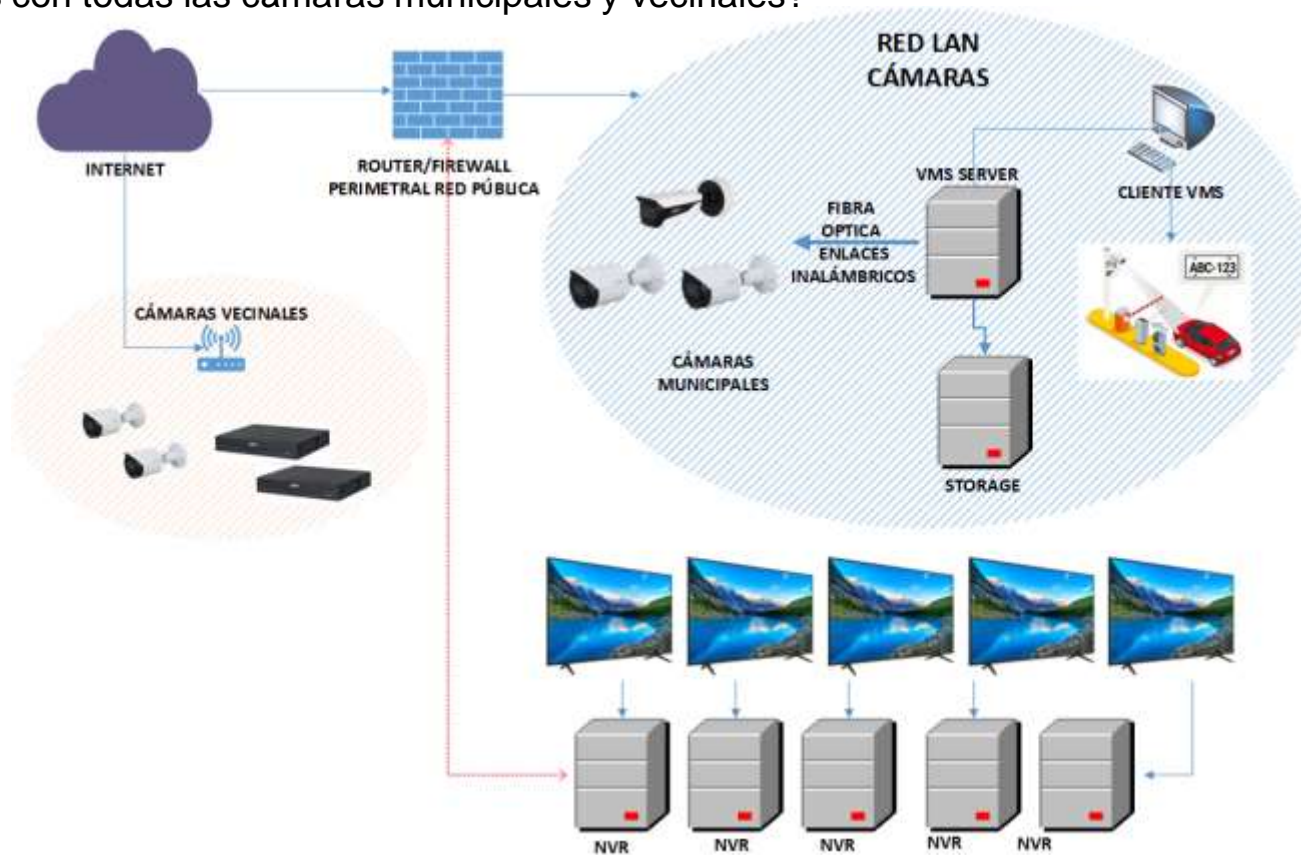
2.11.1 Access Solution of Third-Party Devices

A. Introduction

HikCentral Professional provides access capabilities based on standard ONVIF protocol for the third-party devices. The third-party devices can connect to the HikCentral Professional via ONVIF protocol to implement the functionalities of live view, playback, PTZ control, video search, alarm, and so on. To connect the third-party devices with HikCentral Professional, there are mainly two methods. One method is that, the third-party devices firstly connect to the Hikvision NVR, and then connect to HikCentral Professional via the NVR. The other method is that, the third-party devices directly connect to HikCentral Professional by configuring pStor, Hybrid SVN, or cloud storage. In the above two method, the NVR, pStor, Hybrid SVN, or cloud storage are used to save the video files, and the HikCentral Professional is used to manage and play the videos.

CENTRALIZACIÓN.

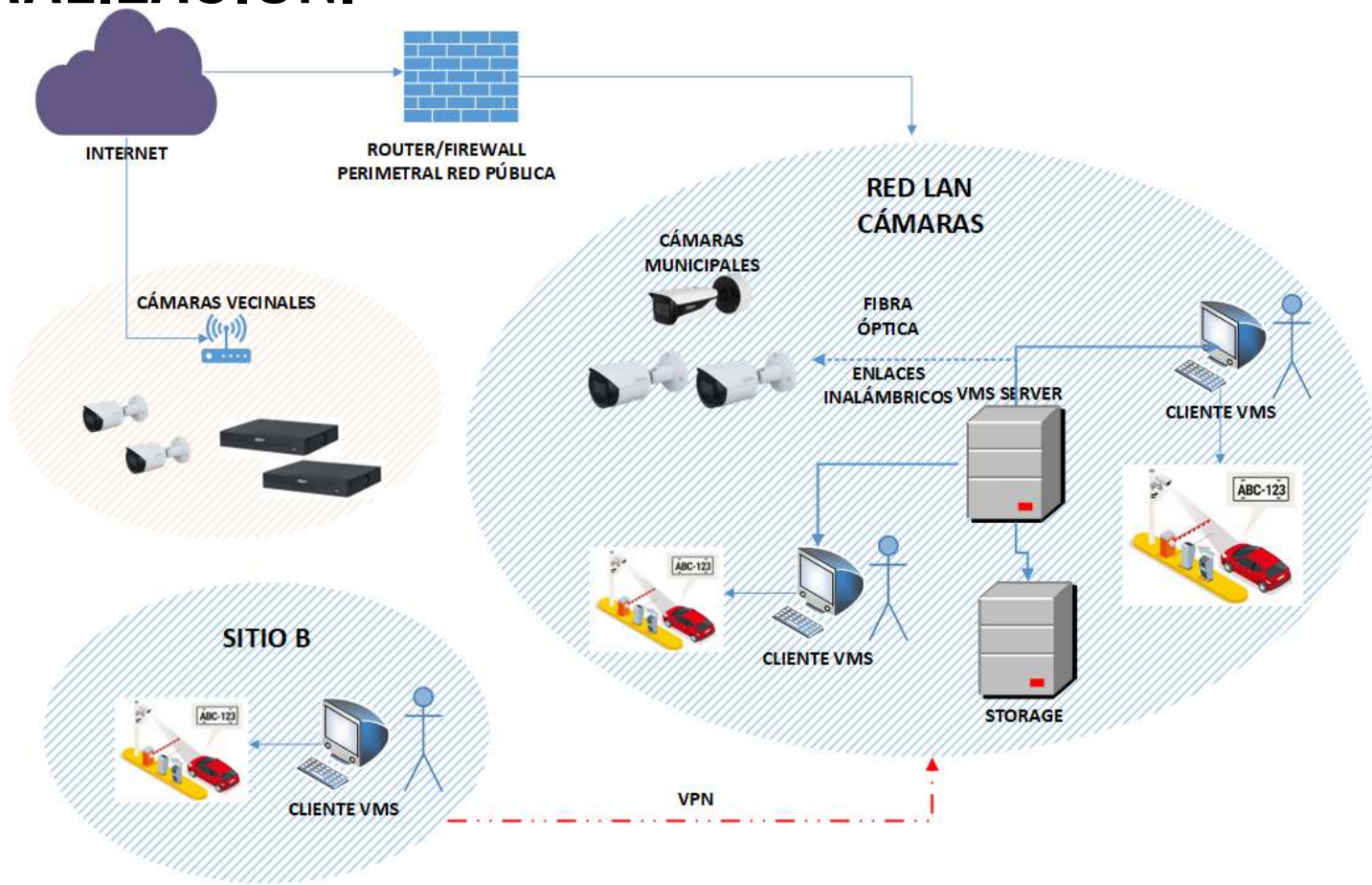
Que hacemos con todas las cámaras municipales y vecinales?



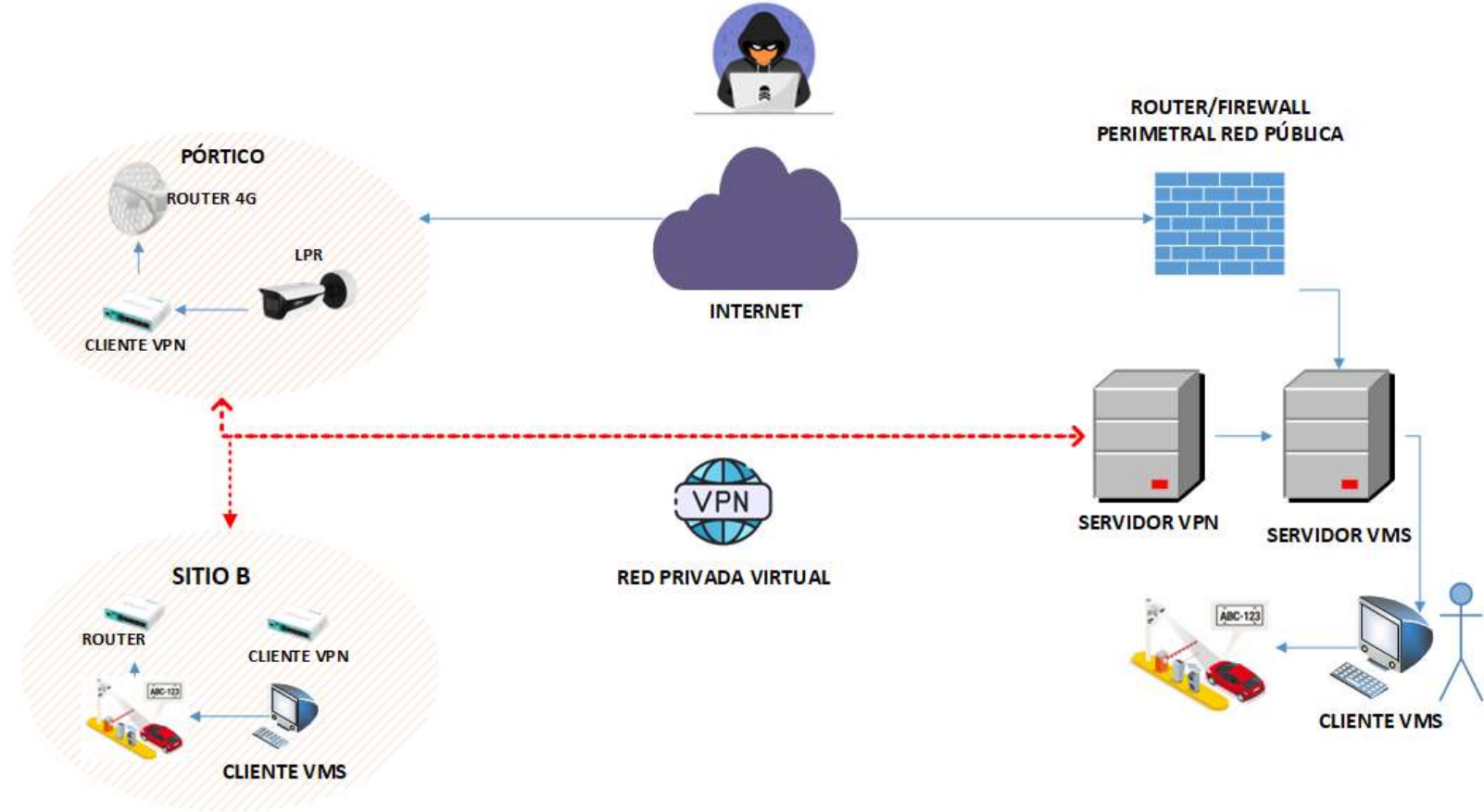




CENTRALIZACIÓN.



PUNTOS REMOTOS. CREANDO ENLACES SEGUROS.



UBICACIONES DE LAS CÁMARAS.



CAPACIDADES DE UNA CÁMARA.

Detectar, observar, reconocer e identificar.



2 MP IP

	Lens	Detect	Observe	Recognize	Identify
DORI Distance	2.8 mm	43.9 m (144.03 ft)	17.5 m (57.41 ft)	8.8 m (28.87 ft)	4.4 m (14.44 ft)
	3.6 mm	58.9 m (193.24 ft)	23.6 m (77.43 ft)	11.8 m (38.71 ft)	5.9 m (19.36 ft)

2024-09-15 22:43:23



Channel5

2024-09-03 05:50:05



Channel 4

CAPACIDADES DE UNA CÁMARA.

Detectar, observar, reconocer e identificar.



PTZ 8MP 25X

	Detect	Observe	Recognize	Identify
DORI Distance	3,333.3 m (10,936.02 ft)	1,316.7 m (4,319.88 ft)	666.7 m (2,187.34 ft)	333.3 m (1,093.50 ft)

CAPACIDADES DE UNA CÁMARA.

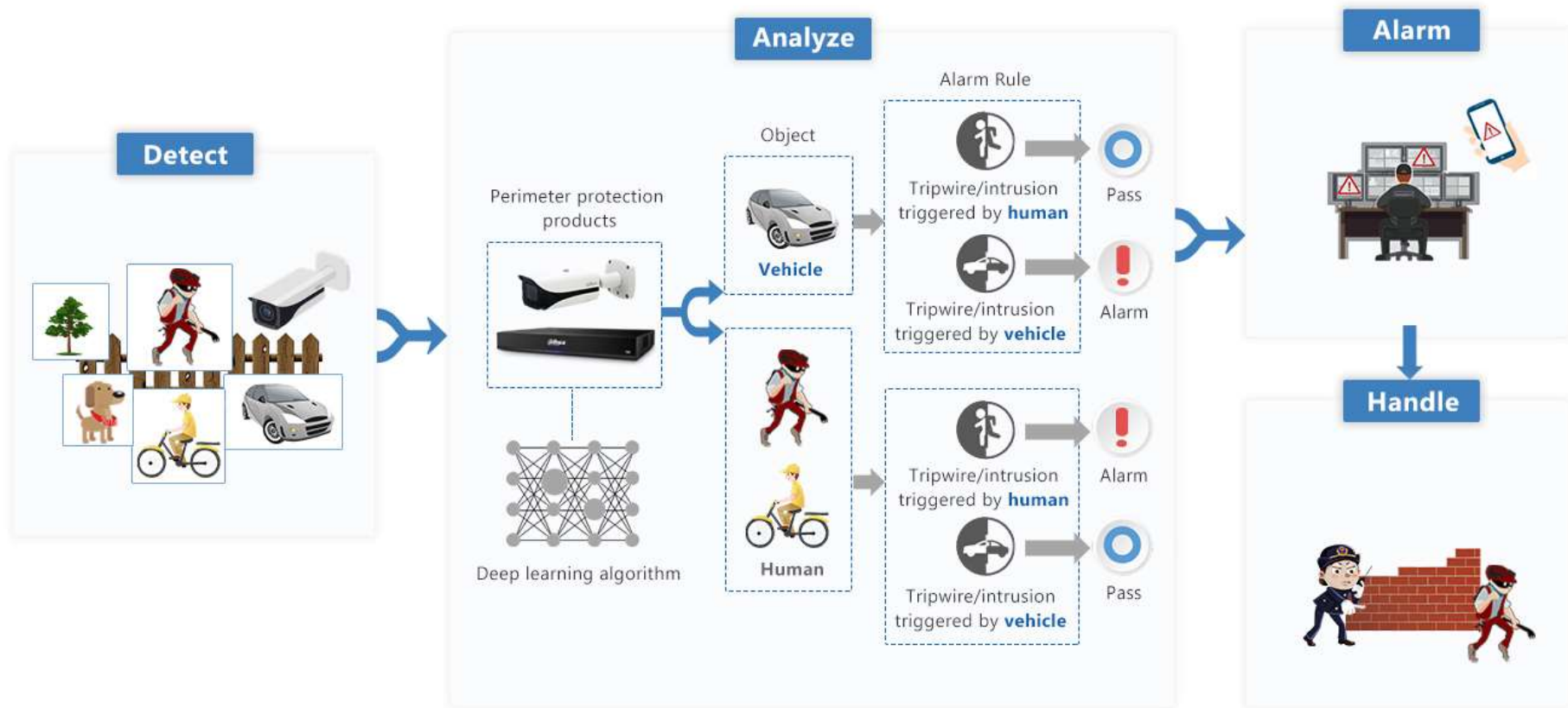
Detectar, observar, reconocer e identificar.



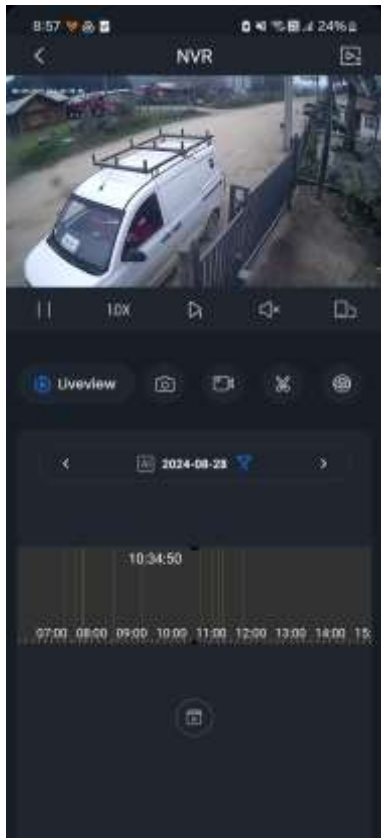
PTZ 8MP 48X

	Detect	Observe	Recognize	Identify
DORI Distance	6,000 m (19,685.04 ft)	2,381 m (7,811.68 ft)	1,200 m (3,937.01 ft)	600 m (1,968.50 ft)

TERMINANDO. LA INTELIGENCIA ARTIFICIAL.



BUENA PARA ALGUNOS CASOS.



PREGUNTAS



MUCHAS GRACIAS

FRANCISCO ZAMORA
ING. REDES