

SYSTEEM OVERZICHT

Nx Witness is een open, uitbreidbaar IP videomanagementsysteem met Cloud, Desktop, Mobiel en Server toepassingen.



CLOUD

Een cloud gebaseerde service die eenvoudige, snelle toegang op afstand en inzicht in ieder NX Witness systeem mogelijk maakt.

DESKTOP

Een mediaspeler met een flexibele GRID interface ontworpen voor verbinding met en beheren van het NX Witness systeem.

SERVER

Een krachtige, lichtgewicht media-server die ontworpen is om systeem-apparaten en bronnen te vinden, toe te voegen en te beheren.

MOBIEL

Een mobiele app voor iOS en Android apparaten die ontworpen is voor besturing en meekijken op afstand.

BROWSERS

	Google Chrome
	Mozilla Firefox
	Microsoft Edge

BESTURINGSSYSTEMEN

	Windows
	Ubuntu Linux
	Mac OS

BESTURINGSSYSTEMEN

	Windows
	Ubuntu Linux
	ARM / Debian Linux

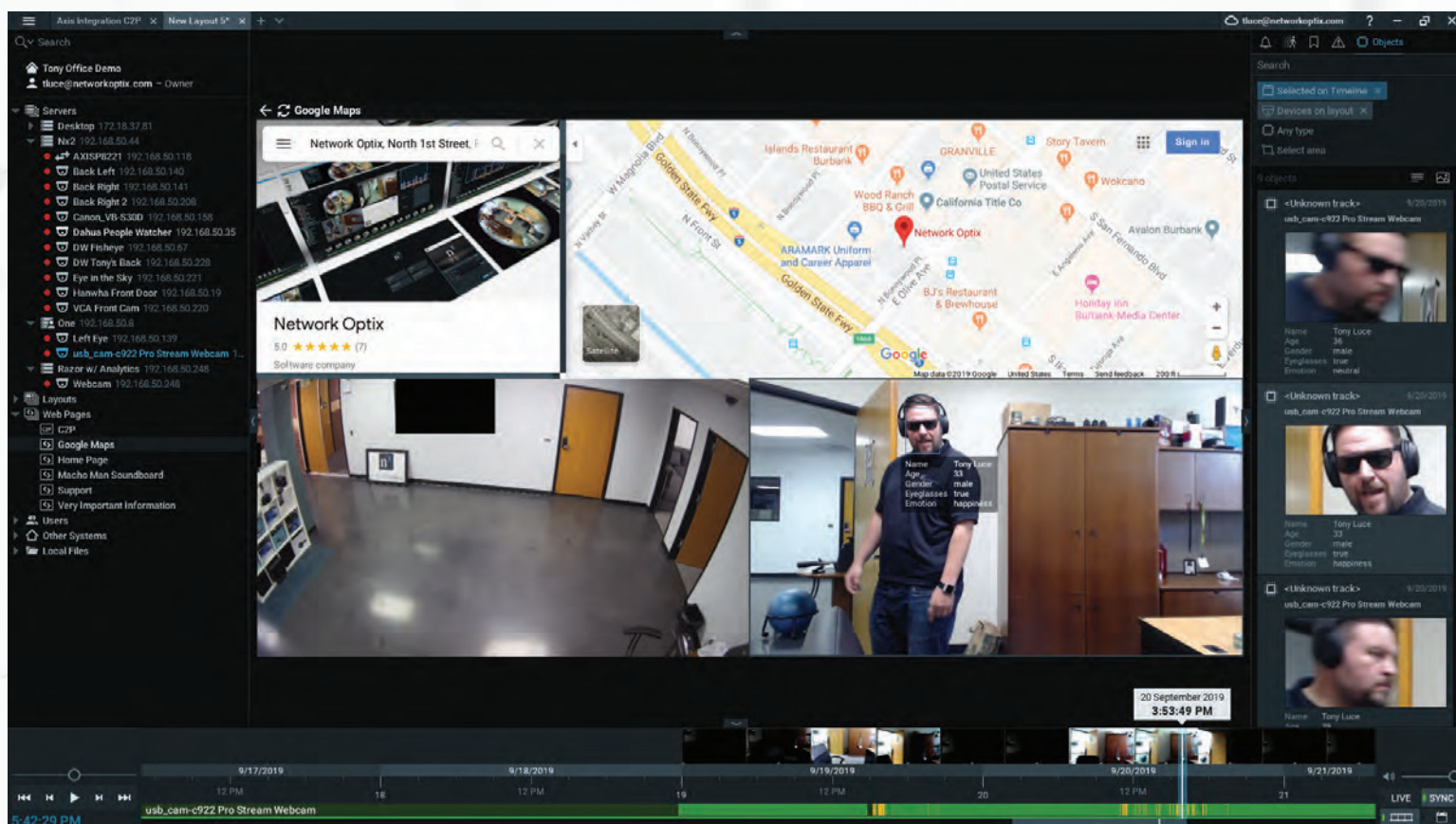
BESTURINGSSYSTEMEN

	Google Android
	Apple iOS



DESKTOP OVERZICHT

Een mediaspeler met een flexibele GRID interface ontworpen voor verbinding met en beheren van het Nx Witness systeem.



BRIJKBAAKHEID	MEDIA	CONFIGURATIE	ZOEKEN
Drag & Drop Interface	IP Video Cameras / Devices	Events & Rules Engine	Smart Motion Search
Consolidated Notifications	RTSP/HTTP Streams	User Management	Keyword Search
Adaptive Playback	I/O Devices	IP Video Devices	Calendar Search
Customizable Layouts	Web Pages / URLs	Server Management	Time-Slice Search
Digital Maps	Recorded Video Files	I/O Device Management	Bookmarks
Adaptive Scaling	Static Image Files	Storage Management	Audit Trail

DESKTOP SPECS

HARDWARE REQUIREMENTS

MINIMALE ONDERSTEUNDE SPECS

HARD DRIVE: HDD/SSD/mSATA
RAM: 2GB
CPU: Quad Core Intel Celeron CPU or higher
GRAPHICS: Intel HD Graphics 3000
w/ OpenGL2.1 support
NETWORKING: 1Gbps NIC

PRESTATIESPECIFICATIES

HARD DRIVE: Performance SSD
RAM: 16 GB RAM
CPU: Intel Core i5
GRAPHICS: NVIDIA GeForce GTX 1050
(OpenGL2.1 support is required)
NETWORKING: 10 GB NIC

MAXIMUM # GRID ITEMS PER LAYOUT

64 Items (e.g. 64 live streams)

ONDERSTEUNDE BESTURINGSSYSTEMEN

WINDOWS

Windows 7
Windows 8
Windows 8.1
Windows 10
Windows Server 2008
Windows Server 2008 R2
Windows Server 2012
Windows Server 2012 R2
Windows 2016 v1607
Windows 10 Enterprise

UBUNTU LINUX

Ubuntu Linux 16.04 LTS
Ubuntu Linux 18.04 LTS

MAC OS

OSX 10.12
OSX 10.13
OSX 10.14

UNIEKE MOGELIJKHEDEN

DESKTOP MODUS

CONNECTED CLIENT: Manage any connected Nx Witness System
MEDIA PLAYER: View, edit, and export offline videos and images
VIDEO WALL: Put Nx Desktop into Video Wall mode to control remotely

UNIEKE KENMERKEN

MULTILINGUAL SUPPORT: Support for 20+ languages
SHOWREEL: Fully customizable viewing sequences of any GRID media
CUSTOMIZABLE BRANDING: Customizable Desktop background
DRAG & DROP REASSIGNMENT: Move cameras/streams between Servers

ZOEKEN

KEYWORD: Search System Resources using Keywords
FLEX TIMELINE: Search by date / time using calendar or mouse movements
EVENTS: Quickly search System event log to find event-driven video
SMART MOTION: Select specific pixels to search a year of archive in seconds
BOOKMARKS: Create Bookmarks manually or automatically with Rules Engine

ONDERSTEUNDE MEDIA AF SPELEN & BEDIENING

LIVE STREAMING (CAMERAS & STREAMS)

CODECS: H.265 H.264 MJPEG

OFFLINE MEDIABESTANDEN

VIDEOS: AVI MKV MP4 MOV, TS M2TS MPEG MPG FLV WMV 3GP
IMAGES: JPG PNG GIF BMP TIFF

APPARATEN BESTUREN

I/O Devices: Status and Triggers
SERVERS: Server Health Monitoring

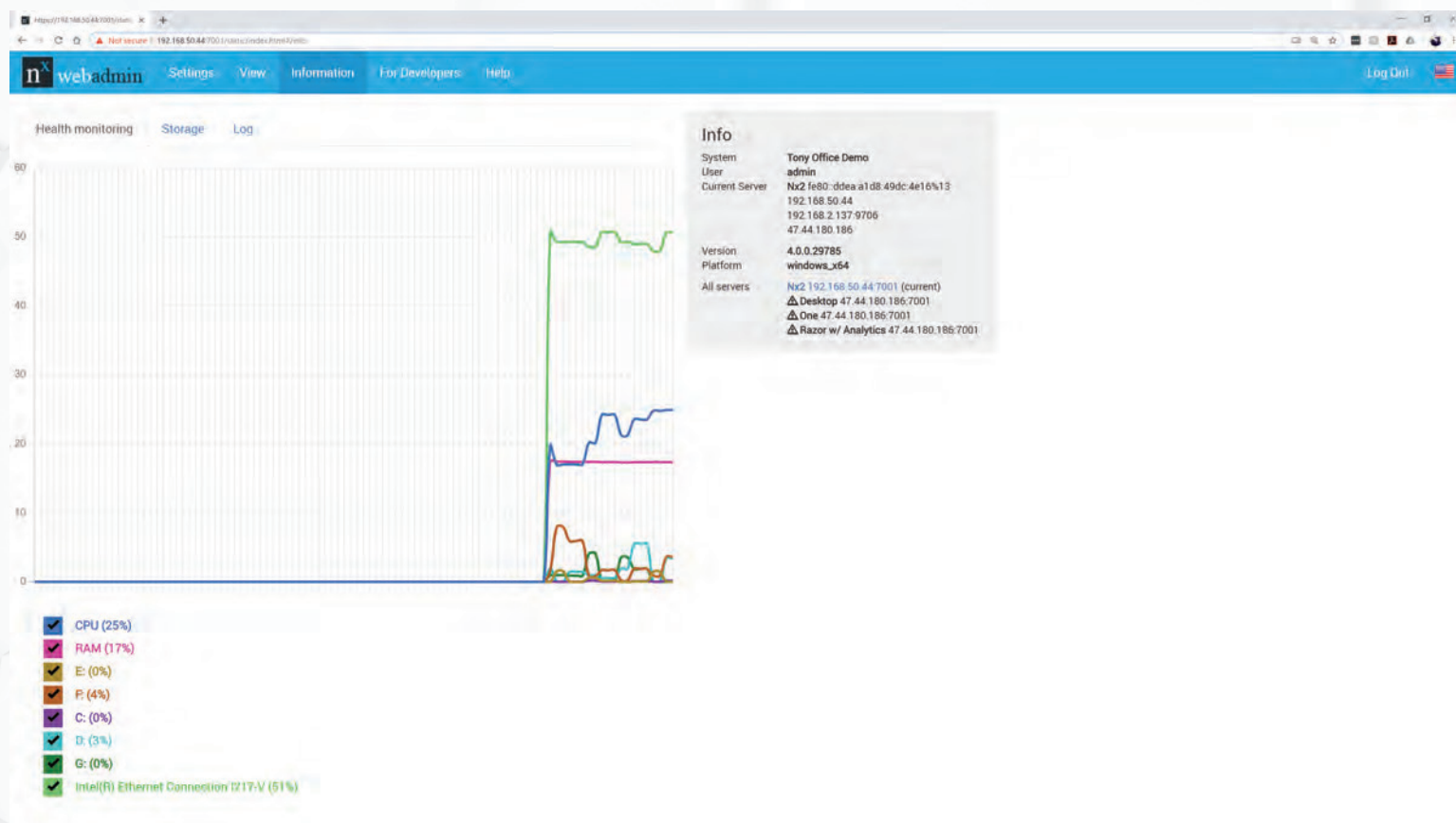
INGEBOUWDE BROWSER

BROWSER SUPPORT: Websites, URLs, IP Addresses



SERVER OVERZICHT

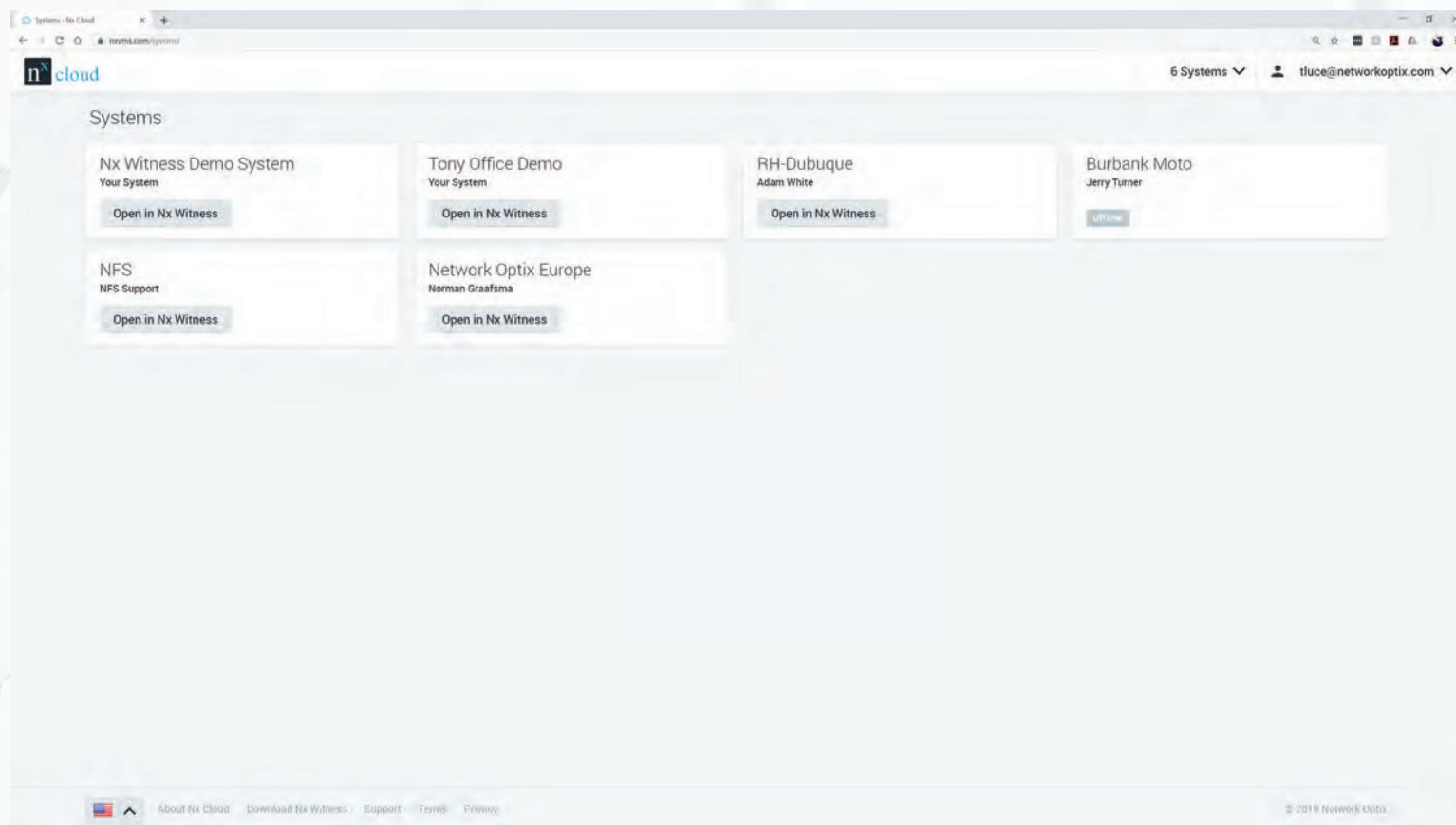
Een krachtige, lichtgewicht mediaserver die ontworpen is om systeemapparaten en bronnen te vinden, toe te voegen en te beheren.



ONTDEKKEN	BEHEREN	BEKIJKEN	INTEGRATIE
99% of IP Cameras, Webcams	Device Configurations	Server Health	HTTP Events & Actions
I/O Devices	System Rules	Live / Recorded Video	Server API
Encoders	Failover / Redundancy	System Configuration	Metadata SDK
RTSP / HTTP / UDP Streams	Connections (HTTP, HTTPS)	Log Files	Video Source SDK
SAMBA NAS Devices	Archived Video	Audit Trail	Storage SDK
Nx Systems and Servers	Flexible Archive Backup	Storage Status	Server via Cloud API

CLOUD OVERZICHT

Een cloud gebaseerde service die eenvoudige, snelle toegang op afstand en inzicht in ieder NX Witness systeem mogelijk maakt.



VERBINDEN	BEKIJKEN	BEHEREN	OMVANG
 NAT Traversal	 Live Video (adaptive)	 System Settings	 Unlimited # of Systems
 Data Proxy via AWS	 Recorded Video (adaptive)	 User Permissions	 Unlimited # of Users
 LDAP Credentials	 Camera Details	 Cloud Connections	 Unlimited # of Devices
 Encrypted Connections	 Keyword Search	 Share via Email	 Cloud API
 Wifi / LAN / WAN	 Calendar Search		
 4G / LTE / Data	 Scalable Timeline		

CLOUD SPECS

UITBREIDBAARHEID

MAXIMUM # VERBONDEN SYSTEMEN

UNLIMITED

MAXIMUM # GEBRUIKERS

UNLIMITED

NX CLOUD SERVICES

CLOUD CONNECT

Connect any Nx Witness System to Nx Cloud for simple remote connectivity from anywhere using Network Optix's NAT Traversal and Cloud Data Proxy technology.

BEHEER GEBRUIKERS

Add an unlimited number of users to a single Nx Cloud System. Share access to your Nx Witness System in seconds using only email addresses. Create Custom Roles to quickly assign access to multiple Nx Cloud connected Systems.

UNIEKE MOGELIJKHEDEN

CONNECTIVITEIT

CLOUD DATA PROXY: Connect via Nx Cloud to view System data and video

NAT TRAVERSAL (DEFAULT): Connect directly to System via Cloud addressing

VEILIGE COMMUNICATIE

VEILIGHEID

PASSWORD RECOVERY: Reset password via email

PASSWORD STORAGE: Complex Multi-Level MD5 Hash

ENCRYPTED CONNECTIONS: HTTPS OPENSSL

ENCRYPTED VIDEO: Encrypt video between Client and Server applications

INTERFACE

CLOUD INTERFACE

SYSTEMS: View connected System tiles in Cloud Web Admin

SETTINGS: View users, rename systems, disconnect systems

VIEW: View live or recorded video from connected cameras / streams

VIEW: View live or recorded video from connected cameras / streams

ONDERSTEUNDE BROWSERS

MOBILE / TABLET: CHROME SAFARI FIREFOX EDGE (AND OTHERS)

COMPUTERS: CHROME SAFARI FIREFOX EDGE (AND OTHERS)

INTEGRATIE TOOLS

VOOR ONTWIKKELAARS

CLOUD API: Integrate with 3rd party applications and devices

FOR BEHEERDERS

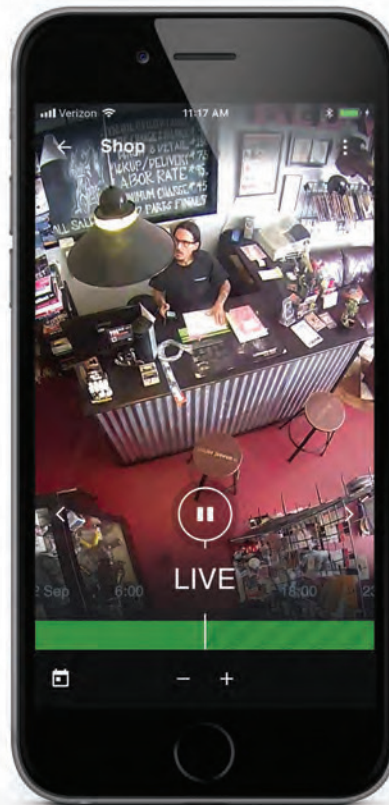
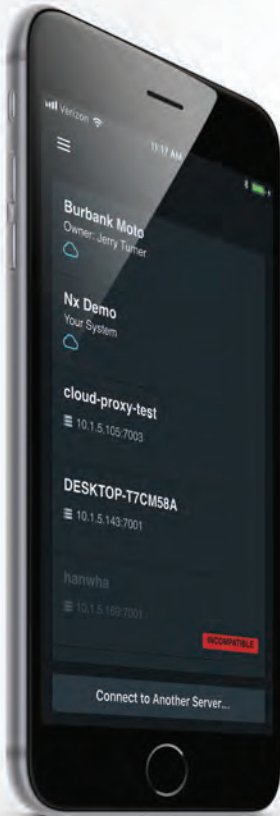
ZAPIER: Create connections to other Cloud apps with Zapier.com



MOBIEL OVERZICHT

nx Witness VMS

Een mobiele app voor iOS en Android apparaten die ontworpen is voor besturing en meekijken op afstand.



VERBINDEN	
	NAT Traversal
	Data Proxy via Cloud
	Encrypted Connections
	Wifi / LAN / WAN
	4G / LTE / Data
	Encrypted Video

BEKIJKEN	
	Live Video (Adaptive)
	Recorded Video (Adaptive)
	Camera Status
	Layouts
	Adjustable Resolutions
	Portrait / Landscape

BEHEREN	
	Fisheye Dewarping
	Pan-Tilt-Zoom (PTZ)
	Soft Triggers
	2-Way Audio
	Cloud or Local Systems
	Unlimited # of Systems

ZOEKEN	
	Keyword Camera Search
	Calendar Search
	Thumbnail Search
	Notifications (coming soon)
	Flex Timeline
	Smart Motion (coming soon)

MOBIEL OVERZICHT

ONDERSTEUNDE APPARATEN



ANDROID TELEFOONS / TABLETS

Android 5.0: "Lollipop" (November 2014)
Android 6.0: "Marshmallow" (October 2015)
Android 7.0, 7.1: "Nougat" (August 2016)
Android 8.0, 8.1: "Oreo" (August 2017)
Android 9.0: "Pie" (August 2018)



APPLE TELEFOONS / TABLETS

iOS 10 (September 2016)
iOS 11 (September 2017)
iOS 12 (September 2018)



BEKIJKEN / AFSPELEN

WEERGAVEMODUS

PORTRAIT

LANDSCAPE

AANPASBARE RESOLUTIES

HIGHEST SPEED (BEST AVAILABLE FRAME RATE)

BEST QUALITY (BEST AVAILABLE RESOLUTION)

1080p

720p

480p

360p

Wilt u meer weten over het Nx Witness systeem?

Neem contact met ons op via +31 (0)541 352 952.

Of kijk voor meer informatie op onze website:
www.EuropeSecurity.eu

BELANGRIJKE KENMERKEN

VERBIND OP AFSTAND

LAN / WAN: Connect to Systems using public IP address or Dynamic DNS

VIA NX CLOUD: Login to Nx Cloud to view all shared Systems

ADAPTIVE CONNECTIONS: Works well on Wifi or Data (4G / LTE / 3G)

BEKIJK LIVE OF OPNAMES

LIVE VIDEO: Connect to Systems using public IP address or Dynamic DNS

ARCHIVED VIDEO: Login to Nx Cloud to view all shared Systems

BESTUUR CAMERA'S

FISHEYE CAMERAS: Universal dewarping for fisheye cameras

PTZ: Control PTZ cameras with Joystick and/or tap to move UX

SOFT TRIGGERS: Control soft triggers on cameras

2 WAY AUDIO: Talk through I/O or IP cameras that support Audio In / Out

ZOEKEN

KEYWORD: Universal dewarping for fisheye cameras

CALENDAR: Control PTZ cameras with Joystick and/or tap to move UX

LAYOUTS: Control soft triggers on cameras

LIVE THUMBNAILS: Scroll through live thumbnails to find a camera / view

FLEX TIMELINE: Search using the same timeline interaction as Nx Desktop

SMART MOTION: Search using Smart Motion

ONTWIKKELTOOLS

nx Witness VMS

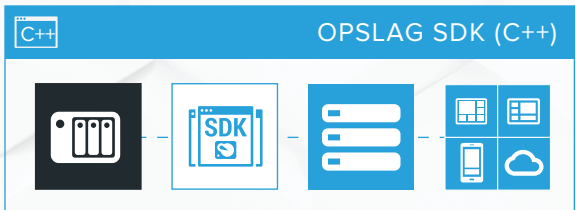


VIDEOAPPARATEN VAN DERDEN

The Video Source SDK provides the ability to integrate virtually any live or recorded video source (IP Cameras, NVRs, DVRs, etc) into System. It also allows integrating device I/O ports and motion detection information.

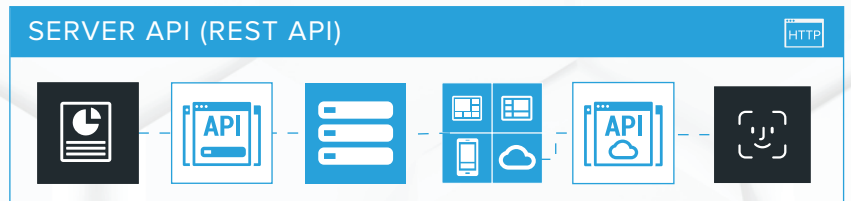
I/O APPARATEN VAN DERDEN

The Video Source SDK also provides the ability to integrate 3rd party I/O devices which can increase hard wire interoperability with 3rd party systems and connected devices.



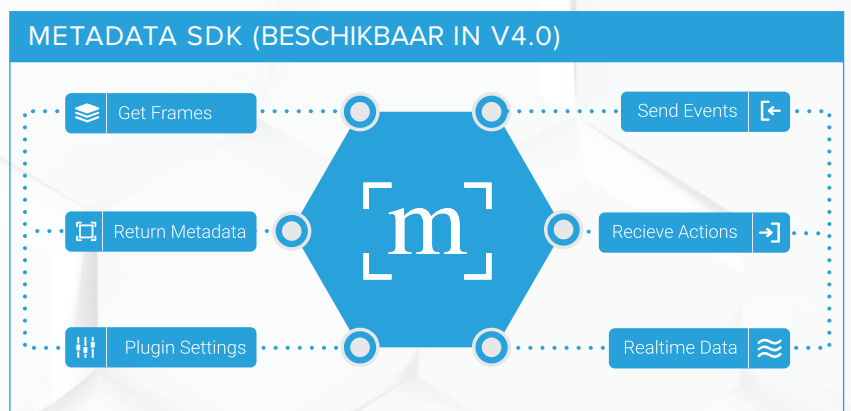
OPSLAG VAN DERDEN

The Storage SDK allows developers to read from or write to any storage location: local, remote, and cloud. Creating a storage plugin requires implementing standard functions such as: I/O stream, if file exist, delete file, list of files in the folder, etc. The Storage SDK also contains an example for using an FTP server as a storage location.



ALLES INTEGREREN MET HET GERBUIK VAN HTTP API CALLS

A REST API that gives developers the ability to access almost every system feature available in the regular client: query/manage system resources (servers, cameras, users, permissions), pull live or recorded video out of System, generate events, create rules, control PTZ cameras, and more.



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CREËER PLUGINS DIE OP DE NX SERVER LOPEN

The Metadata SDK (available in v4.0) allows developers and tech partners to create installable Plugins for Nx Witness which run on the Nx Server application to create tight, seamless integrations. The Metadata SDK is focused on bringing object metadata from 3rd party Systems - like Face Recognition, Retail Analytics, License Plate Recognition, etc - to enhance both real-time system intelligence and post-event, post-capture video search and review.