



# UVP RECORDER

A smart and secure storage solution for video footage and metadata.



## UVP **VIEWER**

Easy and functional software for viewing video footage on your computer or mobile device.

## UVP **CORPORATE CENTER**

Monitoring, operations and management solution for centralized video surveillance.

## UVP **SERVICE CENTER**

Monitoring, operations and management solution for professional service providers.

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## UVP **API**

An interface by which video systems can be centrally connected to other software.

## UVP **RECORDER**

Smart and secure storage solution for video footage and metadata.

## UVP **ANPR**

A reliable registration plate identification system with top accuracy.

## UVP **ARCHIVE**

An archiving solution for the stored materials.

# UVP RECORDER

UVP Recorder is a smart and secure storage solution for video footage and metadata. Storage is handled with a local online recorder to which several dozens of cameras can be connected or centralized as a cloud storage solution for hundreds or even thousands of cameras.

The application is used through a browser on your computer or mobile device.

- Video material storage solution
- An online recorder that can be located on site or centralized as a cloud solution for a server farm
- The number of cameras that can be connected to the recorder ranges from under ten to over a hundred
- A personal browser-based interface that's clear and simple – also for mobile devices
- Secure https login in addition to encryption of recordings
- Can also store metadata
- Watchdog monitors camera and online operations
- Versatile search potential for recordings
- Active Directory support for user management (requires of project delivery)
- Multicast transmission format possible

## Technical specifications

### Video recording system

<b>Storage capacity</b>	1TB...xxTB, RAID-5 as an option
<b>Casing</b>	2U or 4U (1...6 HDD)
<b>Power supply</b>	Redundant power supply (duplicated) as an option
<b>Video standards</b>	PAL / NTSC
<b>Operating system</b>	Cent OS 5.x (32bit), Cent OS 7.1 (64bit) (also for virtual server environment)
<b>Compression</b>	H.264, MPEG-4, MJPEG
<b>Footage export format</b>	jpeg, avi (a compact archiving solution also available)
<b>UI languages</b>	Finnish, Swedish, English
<b>Number of IP cameras</b>	2-100+ cameras / server
<b>Number of analogue cameras</b>	4, 8, 16, 20 or 32 / server (only Cent OS 5.6)
<b>Maximum dataflow for recording</b>	approx. 124 Mbit/s

### Recording

<b>Recording modes</b>	Event based, alarm based, continuous recording
<b>Recording triggers</b>	Motion detection, digital input, manual, 3rd party software trigger
<b>Footage encryption</b>	AES 256-bit (key: RSA 1024-bit)
<b>Event recording</b>	Pre-event (30 s / camera) and post-event (max. event duration 9h)
<b>Storage time</b>	1...90 days, alarm recordings 1...600 days

### Security

<b>User authentication</b>	Username, password, https-encryption
<b>User permissions</b>	Set to user profiles
<b>Recorder security</b>	Linux Firewall is active in the operating system
<b>Remote maintenance</b>	Remote maintenance is possible over secured SSH
<b>IP device security</b>	IP devices are protected by username and password
<b>Browser</b>	No ActiveX® -components used

### IP and PTZ-support

<b>Video servers</b>	Several Axis, Sony and Bosch models supported
<b>IP-cameras</b>	E.g. Axis, Sony, Hikvision, Mobotix, IQEye, Panasonic, Bosch, etc. OnVif-support
<b>I/O-devices</b>	Moxa ioLogik E2210 and E1214, IP-based I/O unit, DIN rail mounting
<b>PTZ-cameras</b>	Axis, Sony, Bosch, Hikvision, Onvif
<b>Analogue PTZ-cameras</b>	Analogue PTZ-cameras are connected to a video encoder, after which they can be controlled with Recorder user interface
<b>Addressing</b>	The cameras can be added to the system also by using the DNS-names

### UVP Workstation (minimum requirements)

<b>Processor</b>	IPentium 4 (2 GHz), 512 MB RAM
<b>Operating systems</b>	Microsoft Windows® Vista SP1, Windows 7, Windows 8
<b>Browser</b>	Internet Explorer 7 or newer, Firefox 3.x or newer
<b>Minimum disc space</b>	100 MB
<b>Network adapter</b>	100 Mbit/s
<b>Display adapter</b>	64 MB / monitor, min. 1024x768, 16-bit colours
<b>Java®</b>	Java Runtime Environment 1.6_22 or newer

### Diagnostics

<b>ASANTech Watchdog</b>	IP device (cameras), recorder (HW and SW) monitoring and restart, network monitoring. Notifications of alarms and status changes can be done with email or digital output.
<b>Log files</b>	Recorder, users, camera drivers, ASANTech Watchdog (connections, cameras)
<b>Hard disc</b>	Recording capacity utilization, hard drive failure