

Intellio Video System 5

Intuitive user interface | i-GPU technology | AI modules

The new generation of hungarian CCTV brand Intellio's videomanagement software is: the **Intellio IVS5**. The new version of IVS provides a valuable solution with outstanding technical features for companies that think in professional CCTV system.

The market launch of IVS5 is a great progress in the history of Intellio's Videomanagement Software. IVS5 has even faster operation thanks of the shift in to **64 bit architecture**. This provides the possibility to build more efficient and resistant systems. IVS5 gives concrete answers for the security needs of modern corporations of XXI. century.



Impressive functionality

- The new **i-GPU technology** allows to display even more high resolution video streams in time up to 4K quality.
- Thanks of the well developed „camera status monitor” function IVS5 has **eye- and user friendly interface** that is the warranty of easy operation.
- IVS5 is an **Onvif Profile S and T** compliant product that guarantees the camera independent operation.

New AI and smart streaming modules

- **i-ANPR module*** – It gives accurate licence plate informations in milliseconds thanks of the GPU based pre-selection and Adaptive Recognition's market leader Carmen® software
- **i-MMR module*** – AI based algorithm that guarantees vehicle make-, model- and color recognition with high accuracy
- **RTSP Gateway* module** – This function allows the transfer of video stream directly from server without the expansion of infrastructure and additional load of camera-server connection.

*optional

ANPR result: M DD 8085 MDD8085	
Make:	BENTLEY
Model: MULSANNE, CONTINENTAL, BENTAYGA, FLYING SPUR, AZURE, BROOKLANDS	CONTINENTAL
Color:	WHITE
Category:	CAR

Intellio Video System 5 specifications

RECORDING

Number of Intellio cameras	Recommended maximum: 80 cameras / server (depending on the type of cameras)
Number of ONVIF cameras and encoders	Recommended maximum: 60 cameras / server (depending on the type of cameras)
Video compression	Intellio Video Codec, MPEG4, H.264, H.265, MJPEG
Audio compression	G.711, G.726, AAC
Maximum recording speed	1200 fps / server
Event storage time	360 days
Local storage	Windows file systems (FAT32, NTFS)
Network Attached Storage (NAS)*	SMB/CIFS supported
Emergency storage*	Temporary storage if network storage is down
Long-term storage*	Increased storage time through filtering stored footage
Storage rules	Unlimited number of storage groups; Required days to store; Maximum allowed days to store; Storage mode (continuous/motion-based/no storage); Maximum recording speed per camera ; Storage even if no motion is detected; Pre-/Post-alarm time; Week scheduler; Exceptions (handling holidays and unique time intervals), Optional storage mode in case of an alarm

SYSTEM ARCHITECTURE

Multi-Server Site Support (IVS-SITE)	Maximum 2-4 servers can be connected to compose a site*
Load Balancing (IVS-SITE)	Load Balancing divides the network load evenly among servers. By enabling this feature the server storage use will be more balanced out while the system's overall reliability improves, and response times become shorter.
Camera Takeover (IVS-SITE)	This feature ensures that in the event of a server failure recording is not interrupted. Other servers within the site automatically take over the cameras of the failed server for recording.
Domain Support (IVS-DOMAIN)	Connecting individual sites (of diverse locations) into a single domain through wide area networks makes it possible to monitor all of the cameras of all of the sites from one client interface.
Max. connected clients	2 – unlimited* (simultaneous connections; IVS client or IMC mobile client)
Number of user profiles	2 – unlimited*
LDAP authentication	Supported*

SERVER-SIDE VCA

Automatic License Plate and Make/Model Recognition (IVS-ANPR)	Using CARMEN ® ANPR/MMR License, image processing and camera number limitations dependent on the number of licenses and CPU/GPU performance
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CLIENT USER INTERFACE

Live Monitoring	60 cameras simultaneously (on 2 monitors)
Split Screen Layouts	11 camera views 4:3 layouts (max. 5 x 6 cameras), 10 camera views 16:9 layouts (max. 5 x 4 cameras)
Display Resolution	Min.: 1366 x 768; Recommended min.: 1920 x 1080
Number of displays	Recommended max. 2 Monitors / Client
Monitor Wall Support*	Remote control of monitoring workstations; Select views; Select cameras
Views	Unlimited number of views; auto stepping of views
Intelligent Live View*	Automatic display toggle triggered by alarms
PTZ Control	Vector based PTZ control; Presets; Patrolling task; Intelligent 3D Map based PTZ control
Navigate Between Cameras*	Easy navigation from one camera to another (OSD arrows)
Interactive 3D Map*	Street Map; 3D Building View; Floor plans for each storey; Live View and Alarm Display
Panorama View*	Interlinked images of unlimited megapixel cameras even in multiple rows and Gigapixel resolution

PLAYBACK FUNCTIONS

Multi-channel Playback	Maximum 16 cameras simultaneously; Forward/Backward; Fast (max 30x) or Slow Speed (min 0.2x)
Bookmarks*	Setting Bookmarks; Quick Playback; Export
Slideshow Search	Thumbnail based event search, using maximum 4 cameras simultaneously
PTZ Preset Based Playback*	Convenient playback of footage recorded in selected preset positions
Intelligent Event Browser	Interactive display of detector events with quick view
Intelligent Motion Search	Quick, metadata-based retrieval using virtual detectors
Intelligent Object Search	Searching for objects appearing and disappearing in the selected area



EXPORT

Export Options	Still Image, Video Stream, Data export
Supported Video Formats	Intellio Video Codec, MPEG-4, H.264, H.265, AVI, MP4
Supported Image Formats	BMP, JPEG, PNG
Supported Data Formats	*.CSV (Excel), *.TXT (Text), SQL (MySQL, MSSQL)

ALARM MANAGEMENT

I/O Actions	Camera I/O control; controlling the I/O port of multi I/O devices connected to the server
Partitions	Detector scheduling, Creating action groups
Alarm actions	Send email; Go to PTZ preset; Log events automatically saved into database; Launch program; Camera alarm state action; I/O actions; Toggling Storage Mode

INTEGRATION

ONVIF	Multi-channel live video (MJPEG, MPEG-4, H.264, H.265); Audio support (G.711, G.726, AAC) with audio sensor; PTZ control (with Presets); Motion Detector; Event; I/O port support
RTSP	Multi-channel live view (MJPEG, MPEG-4, H.264, H.265) with server-side motion detector; Audio support (G.711, G.726, AAC) with audio sensor
Processing external events	Supported
Intellio Video SDK (IVS-SDK)	Live View; Processing live events; Playback and Event Query; PTZ control

* depending on base package and licenses

Intellio Video System 5 packages

	IVS5 – SOHO	IVS5 – ENTERPRISE
Max. number of connected clients	2	unlimited
Max. user profiles	2	unlimited
Server number (max. number / site)	-	4*
Site number (max. number / domain)	-	unlimited*
Mobile Client	+	+
Event Management	+	+
Intelligent Search	+	+
Bookmark	-	+
PTZ Preset Based Search	-	+
Interactive 3D Map	-	+
Intelligent Live View	-	+
Navigation	-	+
Camera-side Storage	-	+
Emergency Storage	-	+
Long-term Storage	-	+
Network Attached Storage	-	+
Active directory (LDAP) Support	-	+
Site Support	-	+
Domain Support	-	o
SDK Integration	-	o
Monitor Wall – Enterprise	-	o
Server side number plate recognition	-	o
Support	-	+

* Site or Domain module needed for each server

- not available

+ included in package

o optionally available module