



## Ernitec Hydra EX series

- EasyView Enterprise VMS
- Over 2200 Native Cameras Drivers
- License Based True Video Analytics
- Free EasyView Remote Client
- Embedded Windows WES7 OS
- Unlimited Hydra Expansion
- Intel 4<sup>th</sup> Gen i7 CPU
- Multi-Streaming
- Plug & Play
- Windows WES7
- Built in PSU
- 3 year Warranty

### Hydra EX series

Hydra EX is the new multi streaming NVR from Ernitec, we have combined our class leading Enterprise software with an embedded all on one box solution that has all of the benefits of a plug n play NVRs with none of the drawbacks.

### Built in Video Analytics

Hydra EX has been made with a faster CPU to take the load of VCA channels and the VCA software is already on board, all you need to do is activate the licence to add the amount of Video analytic channels you want on your Hydra EX .

### Multi-Streaming

This extremely important feature enables the Hydra to record in high resolution and stream multi-screen images to the local monitors, the multi streaming enables a second or even third stream resolution choices to the programmer meaning the load to the local monitor is reduced enabling more streams to be viewed.

### Real VMS on Board

Unlike other units in class our NVR has VMS software that you can actually use. Offering a host of features we have all come to expect from our video systems over the years.

### Licence Plate Recognition

Because the Hydra EX has been made with a faster CPU we can also add license or number plate recognition to the platform making this the most flexible plug and play NVR on the market today. This software needs to be loaded but once set up seamlessly integrates to the on board EasyView VMA platform.

### Huge Camera Integration List

The Hydra, can integrate with over 2000 camera with native SDK integration offering the full features of the cameras not just the normal OnVif integration. Of course you can use OnVif cameras opening up to almost limitless choice of camera integration

## EasyView

Intuitive and easy to use EasyView application for local or remote monitoring, searching, playback and export of video content for external analysis.



## Huge Camera Integration List

The Hydra series, can integrate with over 2000 camera with native SDK integration offering the full features of the cameras not just the normal OnVif



# Hydra Features

## Powerful Multi-Streaming

With the power of multi streaming we have a world beating recorder offering viewing and recording all from the same unit, we can offer full HD recording with HD streams for the local and remote clients and D1 resolution to you mobile device. Sensibly dividing the streaming between devices massively reduces the load on the system and give outstanding figures.



## High performance live data base

The Hydra series runs with a full data base making this recorder one of the fastest on the planet, you can instantly retrieve video though the whole recording period, making fast retrieval and seamless high speed playback and rewind possible. This gives the user a true video recorder feel to the unit and massively increases the time to find incidents.

## SDD Secure Data Distribution

Each Hydra comes with a disc for storage, with the addition of an extra disc you can secure your video data using the unique SDD feature. The Ernitec SDD technology distributes video frames evenly between disks. A single drive failure would thus only decrease the frames on a video clip and not leave any large blank areas during the storage interval. For forensic research a well-placed, good resolution camera gives practically the same success rate with a low frame rate as a video with a higher frame rate – meaning that the risk of not being able to analyse an event due to a failed hard disk becomes close to zero.



# Hydra Features

## Video analytics software

Airports, bus and train stations, bars and clubs, car parks, retails stores and shopping malls, museums and tourist attractions, sports stadia and leisure facilities - just some of the environments where video analytics can offer a cost effective, robust and highly accurate solution.



People COUNT software

VCA Count license for 1 camera. An addition to the VCA license, offering the upgrade to people counting engine in the VCA platform.  
Partno: 0063-99989



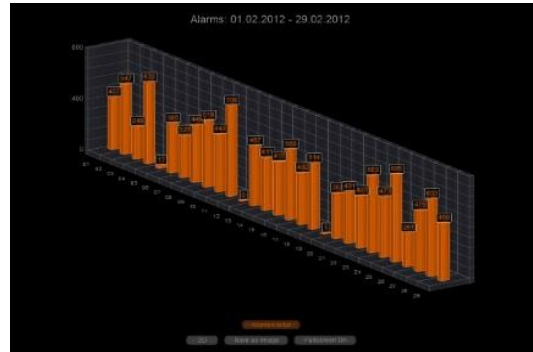
ANPR+ software

Automatic number plate recognition for 4 channels, incl. Engine, Black- & White list management application.  
Partno: 0063-99987



Video Content Analytics

VCA single channel license offering VCA to any analog or IP camera connected to the EVR VMS. Includes Trip wire, Direction filter, Removed object detection, Human & vehicle detection, Speed filter and Abandoned object functions. Unique easy to use 3D calibration, enter and exit filters.  
Partno: 0063-99988



Reporting Tools

Software data mining tool for system administrators and retail users to analyse data from the CCTV server (XMC). The tool can be used to obtain information from VCA, people counting and ANPR systems within the server providing more detailed feed back to the system user.  
Partno: 0063-99990

The Hydra EVR Pro Plus license need to be upgraded to EVR Enterprise channels

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# Hydra Features

**Stackable NVR Expansion Solution** When designing a CCTV system you try to cover all angles and offer the best solution to a customer, however more often than not when a customer sees the quality of the megapixel cameras that have been installed customers will come back and ask for more cameras. If you have purchased a Linux box NVR solution this means you have add a whole new unit just for maybe one of two more cameras.

Upgrading your Hydra EX is simple you can just add the extra licenses you want to increase the number of cameras. If you want to expand over 32 cameras then you can add another Hydra EX to your system to offer a stackable NVR solution up to 5 hydras can be stacked in the standard license. If you want to expand further we have bolt on management licenses to increase you system to unlimited numbers of Hydras and cameras. You can also spread these single management connected Hydras across large networks and even worldwide, the limits are just your imagination.



## Hydra EX Upgrades & Extension Part Numbers

### ENTERPRISE CHANNEL

Hydra Enterprise single channel license 10 users, 5 Hydras. expansion max 32 channels.  
Partno: 0063-99999

### VIDEO ANALYCTICS CHANNEL

VCA Surveillance License, enterprise license required to run Video Analytics.  
Partno: 0063-99988

### MASTER HYDRA EXTENSION

Master server license for additional Hydras from 6 to 20 and 20 users for EVR Enterprise. Active directory integration.  
Partno: 0063-99995

### HYDRA EXTENSION

Master Hydra extension license for additional 10 Hydras on top of 0063-99995 use this part number to increase in steps of 10  
Part no: 0063-99994

### USER EXTENSION

License for additional 10 users in VMS Pro and VMS Enterprise.  
Partno: 0063-99993

### ANPR Base License

4 Channel ANPR Base License Enterprise license required to run ANPR  
Partno: 0063-99987

### ANPR 1 Channel Extension

1 Channel ANPR channel expansion License required to run extra ANPR channels.  
Partno: 0063-99986

### REPORTING TOOL

Data mining tool for system administrators Enterprise license required to run Reporting Tool  
Partno: 0063-99990

## Additional Parts For Hydra Series

### Hard Drive Selection

We have a wide range of hard drives to go with your Hydra. This enables you to select the storage you want for your project requirements. All hard drives are Enterprise performance rated which are optimized for 24/7 surveillance use.

### ERNITEC Advance Replacement Drives

When you purchase hard drives from Ernitec we offer you a next day advance replacement hard drive service, just contact the returns department and give them the serial number or invoice number and we will ship you a new hard drive in advance of the returned the faulty unit.

#### Drive Options

##### SATA Drives

HDD-1000GB	1 Terabit 24/7 HDD SATA industrial 7200rpm
HDD-2000GB	2 Terabit 24/7 HDD SATA industrial 7200rpm
HDD-3000GB	3 Terabit 24/7 HDD SATA industrial 7200rpm
HDD-4000GB	4 Terabit 24/7 HDD SATA industrial 7200rpm
HDD-6000GB	6 Terabit 24/7 HDD SATA industrial 7200rpm

##### SAS Drives

HDD-1000GB-SAS	1 Terabit 24/7 HDD SAS, 7200rpm optimized for speed
HDD-2000GB-SAS	2 Terabit 24/7 HDD SAS, 7200rpm optimized for speed
HDD-3000GB-SAS	3 Terabit 24/7 HDD SAS, 7200rpm optimized for speed
HDD-4000GB-SAS	4 Terabit 24/7 HDD SAS, 7200rpm optimized for speed
HDD-6000GB-SAS	6 Terabit 24/7 HDD SAS, 7200rpm optimized for speed

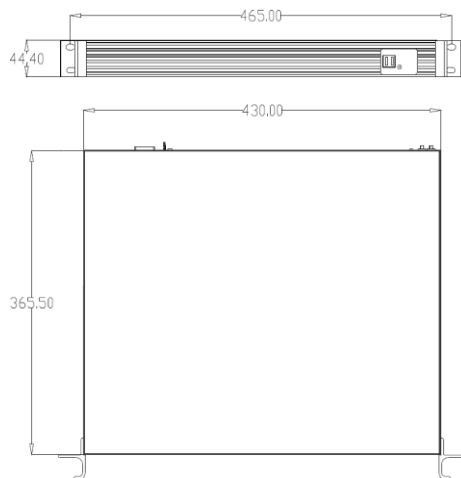


# Technical Specification Hydra EX5

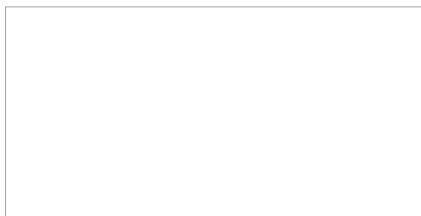
System	
Form factor	1U Rack/ Desktop
CPU	Intel i7
System memory	8 GB
Storage <sup>1</sup>	Empty fit (up to 12TB)
Recording frame rate at resolution 1280 x 720	Up to 1200/sec in H.264
Number of camera input <sup>1</sup>	5
Operating System	WES7
Video Management System	Ernitec EasyView Enterprise
Solid State Drive	60GB for OS and VMS software
System rear I/O	2x GbE RJ45 2x USB 3.0 2x USB 2.0 2x COM ports 1x Display Port 1x HDMI 1x DVI-I 1x Line-out / MIC-in / Line-in
front I/O	2x USB 2.0
Dual network card	Yes
Dual Monitor output <sup>2</sup>	Yes
Automatic camera finder <sup>3</sup>	Yes
Edge storage synch camera support <sup>3</sup>	Yes
Multi-streaming camera support	Yes
Multiple video export formats	Yes
Alarm Management	Yes
3rd-party camera support	Yes
Onvif supported cameras	Yes
PTZ camera support	Yes
Codecs supported	H.264, MPEG-4, MJPEG
Maximum number of users <sup>4</sup>	10
Maximum number of servers <sup>4</sup>	5
EVR VCA support	License option
EVR ANPR+	License option
App for smartphones/ tablets	ERV GO for IOS/ android



General	
Unit Dimension (W x H x D)	465 x 44,4 x 365,5mm (1U 19")
Unit Weight (without storage)	11.0 kg
Package Dimension (W x H x D)	505x 145,5 x 620mm
Package Weight	12.0 kg
Operation temperature	+5°C to +40°C
Operation humidity	10% to 90%
Power requirements	100V -240V AC/50-60Hz/300W
Power unit	Internal PSU
Languages	Arabic, Danish, Dutch, English, Estonian, Finnish, French, German, Hungarian, Icelandic, Italian, Norwegian, Polish, Portuguese, Russia, Spanish, Swedish
warranty	3 years
Included accessories	Quick guide, User Manual, Mouse, Schuko Power Cable, UK power Cable, Rear Rack Mount Kit
Part Number	0064-02005



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1. Two hard drive slots, fit your own storage.
2. Using different cables can cause small differences on monitor images
3. Camera dependent
4. Upgrade option possible

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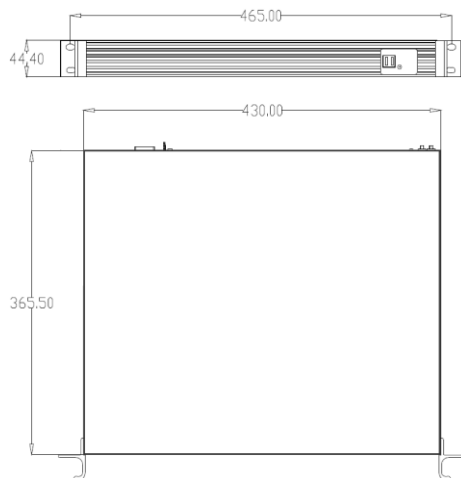
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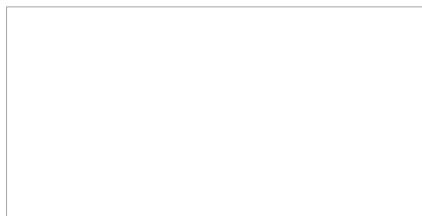
System	
Form factor	1U Rack/ Desktop
CPU	Intel i7
System memory	8 GB
Storage <sup>1</sup>	Empty fit (up to 12TB)
Recording frame rate at resolution 1280 x 720	Up to 1200/sec in H.264
Number of camera input <sup>1</sup>	10
Operating System	WES7
Video Management System	Ernitec EasyView Enterprise
Solid State Drive	60GB for OS and VMS software
System rear I/O	2x GbE RJ45 2x USB 3.0 2x USB 2.0 2x COM ports 1x Display Port 1x HDMI 1x DVI-I 1x Line-out / MIC-in / Line-in
front I/O	2x USB 2.0
Dual network card	Yes
Dual Monitor output <sup>2</sup>	Yes
Automatic camera finder <sup>3</sup>	Yes
Edge storage synch camera support <sup>3</sup>	Yes
Multi-streaming camera support	Yes
Multiple video export formats	Yes
Alarm Management	Yes
3rd-party camera support	Yes
Onvif supported cameras	Yes
PTZ camera support	Yes
Codecs supported	H.264, MPEG-4, MJPEG
Maximum number of users <sup>4</sup>	10
Maximum number of servers <sup>4</sup>	5
EVR VCA support	License option
EVR ANPR+	License option
App for smartphones/ tablets	ERV GO for IOS/ android



General	
Unit Dimension (W x H x D)	465 x 44,4 x 365,5mm (1U 19")
Unit Weight (without storage)	11.0 kg
Package Dimension (W x H x D)	505x 145,5 x 620mm
Package Weight	12.0 kg
Operation temperature	+5°C to +40°C
Operation humidity	10% to 90%
Power requirements	100V -240V AC/50-60Hz/300W
Power unit	Internal PSU
Languages	Arabic, Danish, Dutch, English, Estonian, Finnish, French, German, Hungarian, Icelandic, Italian, Norwegian, Polish, Portuguese, Russia, Spanish, Swedish
warranty	3 years
Included accessories	Quick guide, User Manual, Mouse, Schuko Power Cable, UK power Cable, Rear Rack Mount Kit
Part Number	0064-02010



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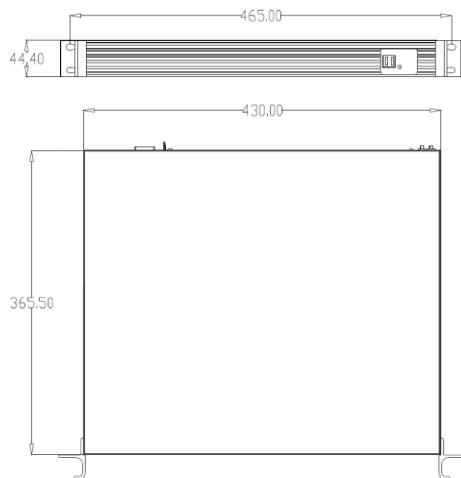


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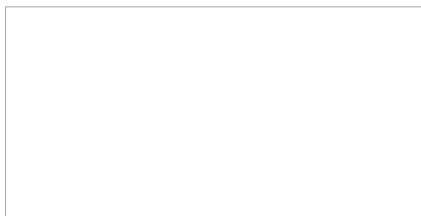
System	
Form factor	1U Rack/ Desktop
CPU	Intel i7
System memory	8 GB
Storage <sup>1</sup>	Empty fit (up to 12TB)
Recording frame rate at resolution 1280 x 720	Up to 1200/sec in H.264
Number of camera input <sup>1</sup>	20
Operating System	WES7
Video Management System	Ernitec EasyView Enterprise
Solid State Drive	60GB for OS and VMS software
System rear I/O	2x GbE RJ45 2x USB 3.0 2x USB 2.0 2x COM ports 1x Display Port 1x HDMI 1x DVI-I 1x Line-out / MIC-in / Line-in
front I/O	2x USB 2.0
Dual network card	Yes
Dual Monitor output <sup>2</sup>	Yes
Automatic camera finder <sup>3</sup>	Yes
Edge storage synch camera support <sup>3</sup>	Yes
Multi-streaming camera support	Yes
Multiple video export formats	Yes
Alarm Management	Yes
3rd-party camera support	Yes
Onvif supported cameras	Yes
PTZ camera support	Yes
Codecs supported	H.264, MPEG-4, MJPEG
Maximum number of users <sup>4</sup>	10
Maximum number of servers <sup>4</sup>	5
EVR VCA support	License option
EVR ANPR+	License option
App for smartphones/ tablets	ERV GO for IOS/ android



General	
Unit Dimension (W x H x D)	465 x 44,4 x 365,5mm (1U 19")
Unit Weight (without storage)	11.0 kg
Package Dimension (W x H x D)	505x 145,5 x 620mm
Package Weight	12.0 kg
Operation temperature	+5°C to +40°C
Operation humidity	10% to 90%
Power requirements	100V -240V AC/50-60Hz/300W
Power unit	Internal PSU
Languages	Arabic, Danish, Dutch, English, Estonian, Finnish, French, German, Hungarian, Icelandic, Italian, Norwegian, Polish, Portuguese, Russia, Spanish, Swedish
warranty	3 years
Included accessories	Quick guide, User Manual, Mouse, Schuko Power Cable, UK power Cable, Rear Rack Mount Kit
Part Number	0064-02020



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