

# H.264 Real-Time Recording HDx Standalone DVR Series



H.264 Realtime 16ch Standalone Digital Video Record

**HDS4848DV** Realtime Recording 480/400fps

## CNB Standalone DVR Solutions

H.264 Realtime 4ch Standalone Digital Video Record

**HDF1212DV** Realtime Recording 120/100fps





# HDx DVR Main Feature



## Standard H.264 Video CODEC

New video standard **H.264** provides better quality images than existing Mpeg4.

H.264 Image



MPEG4 Image



## Various System Control Environment

HDx DVR series support realtime surveillance, recording, searching, playback and the most convenient remote controlling option via **Web Browser**. Users can Monitor, Search and Set up their HDx DVRs from anywhere in the world just using Web Browser (Internet Explore 7.0 or Higher) on any User PC without a specific remote program.



## System Stability Based on Linux

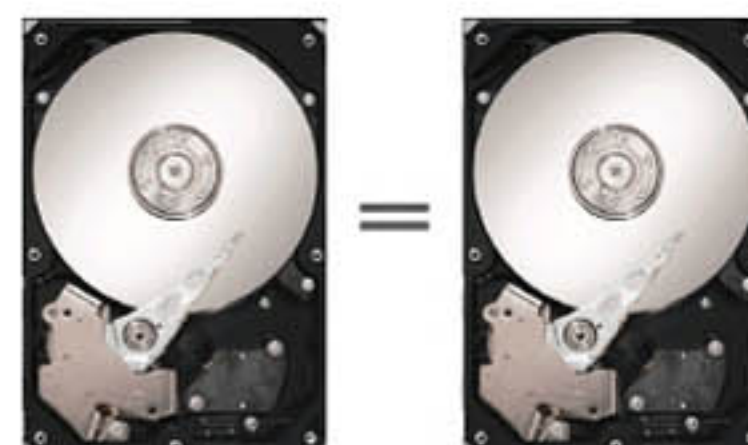
Linux OS based HDx Series protect recorded images from unexpected power shortages by **HDD SMART features** and optimized DB file system additionally, support advanced system stability using hardware system Watchdog as a second system protection.



## HDD Archiving and Mirroring

HDx DVR series provides **Archiving** feature which allows the dual recording on **multi HDD Disks**. This protects data on HDD from physical damages by keeping same data on another HDD Disk.

It is ability to duplicate surveillance image recording and record independently by the other HDD in case of external/internal HDD disk crash.



## Realtime Surveillance

HDx DVR series support **VGA**, composite outputs, and spot image output for event response instantly at the same time.

**Loop-back** CCTV camera images to DVR in order to construct the same surveillance environment as other CCTV systems.

And compatible with CNB **system controller SC3100**.







## Various Realtime Recording

HDx series support realtime all channel recording and other recording functions, such as real time / motion detection / sensor / schedule recording / emergency recording.



## Advanced Hardware Environment (4SATA)

HDx series adapted SATA HDD for stable and faster recording, SATA DVD (or DVDRW) overcomes the existing recording and backup limits of HDD and DVD. Can make unlimited storage capacity for the effective recording. Upto **4 SATA HDDs** can be installed or **3 SATA HDDs** can be installed with **1 SATA DVD**. \* Not available HDF1212, HDF1212DV



## Simple control by USB Interface

System menu control and settings are controlled by USB mouse. Use USB memory stick or external HDD to backup recorded images and system settings or system upgrade.



## Own Media Player for Backup

HDx DVR series provides a **self executable solution** for simple backup data playback. (1 channel Video data) This does not only provide effective data search and playback but also unauthorized data alteration.



## Various Relay output and Text-in-Text feature

HDx series have a terminal block for TTL input/output and relay output, **POS / ATM** equipment with RS-232 port using **Text-in-Text** feature allows to save the information of POS / ATM equipment along with recorded images.



## Two-way Audio

HDx series support **two way audio** feature between local DVR administrator and network client. HDx DVR provides full Audio recording functions. 16 Audio are provided for individual channels, and 4 internal Mic Ins are included for the direct connection with Microphone.





## H.264 4ch Standalone Digital Video Record HDF1212



### Features

- Max. Recording 120/100fps  
Dynamic Recoding Schedule Functions (Time, Motion, Alarm)
- 4ch Video Loop-Back & 1 VGA  
Easy Control interface  
: Front Key board / Remote controller / USB Mouse  
Support SATA interface 1 HDD
- Support DDNS server and Web server (with ActiveX)



## H.264 8/16ch Standalone Digital Video Record HDE2412 / HDS4824



### Features

- Max. Recording 120/100fps (HDE2412)  
240/200fps (HDS4824)
- Dynamic Recoding Schedule Functions (Time, Motion, Alarm)  
Support Emergency-Recording Key
- 8ch / 16ch Video Loop-Back & 1 VGA, 1 SPOT
- 4ch Audio Input / 1ch Output
- Easy Control interface  
: Front Key board / Remote controller / USB Mouse
- Support SATA interface 3 HDD / 1 DVDRW (\*Optional)
- Support DDNS server and Web server (with ActiveX)



## H.264 Realtime 4ch Standalone Digital Video Record HDF1212DV



### Features

- Realtime Recording 120/100fps
- Dynamic Recoding Schedule Functions (Time, Motion, Alarm)
- Support Emergency-Recording Key
- 4ch Video Loop-Back & 1 VGA, 1 SPOT
- 4ch Audio Input / 1ch Output (Two-way Audio)
- Easy Control interface  
: Front Key board / Remote controller / USB Mouse
- Support SATA interface 1 HDD / 1 DVDRW(Built-in)
- Text-in-Text feature for POS / ATM device
- Support DDNS server and Web server (with ActiveX)



• HDF1212H : without ODD



## H.264 Realtime 8ch Standalone Digital Video Record

### HDE2424DV



#### Features

- Realtime Recording 240/200fps
- Dynamic Recoding Schedule Functions (Time, Motion, Alarm)
- Support Emergency-Recording Key
- Support HDD Archiving & Mirroring
- 8ch Video Loop-Back & 1 VGA, 4 SPOT
- 8ch Audio Input / 1ch Output (Two-way Audio)
- Easy Control interface
  - : Front Key board / Remote controller / USB Mouse / Jog-Shuttle
- Support SATA interface 3 HDD / 1 DVDRW (Built-in)
- Text-in-Text feature for POS / ATM device



## H.264 Realtime 16ch Standalone Digital Video Record

### HDS4848DV



#### Features

- Realtime Recording 480/400fps
- Dynamic Recoding Schedule Functions (Time, Motion, Alarm)
- Support Emergency-Recording Key
- Support HDD Archiving & Mirroring
- 16ch Video Loop-Back & 1 VGA, 4 SPOT
- 16ch Audio Input / 1ch Output (Two-way Audio)
- Easy Control interface
  - : Front Key board / Remote controller / USB Mouse / Jog-Shuttle
- Support SATA interface 3 HDD / 1 DVDRW (Built-in)
- Text-in-Text feature for POS / ATM device



## HDx DVR Applications



### Convenient and strong network surveillance environment

HDx series equipped with same menu as DVR in order to provide convenient network surveillance. And realtime surveillance, search on recorded images, and system setting can be done through web browser (IE 7.0 or better) or HDx Viewer(CMS) software.





## HDx Series Product line-up Map

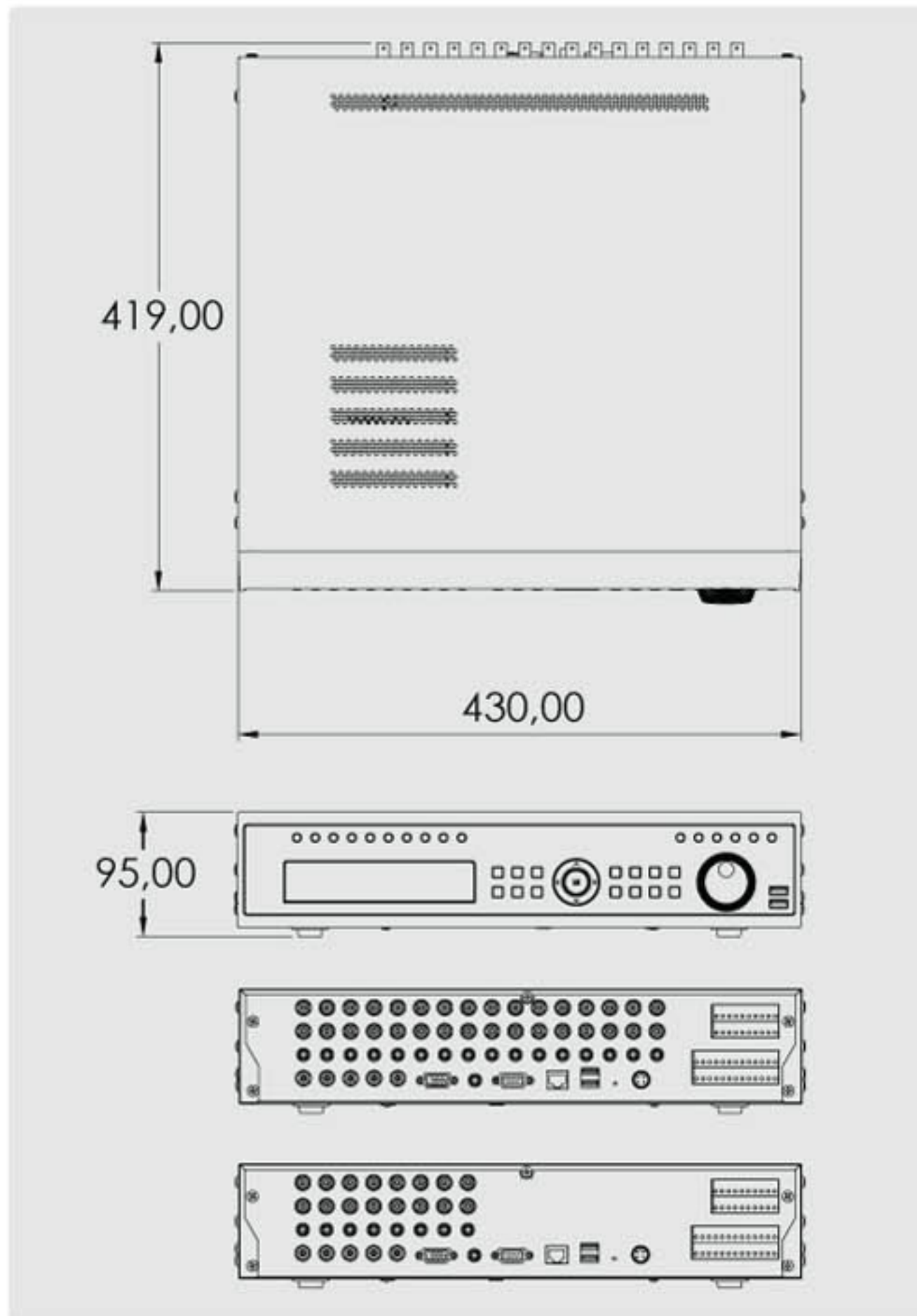
Model		HDF1212	HDE2412	HDS4824
Video Input	Composite	4CH BNC	8CH BNC	16CH BNC
Video Output	Main	1CH BNC	1CH BNC	1CH BNC
	VGA	O	O	O
	SPOT	X	1CH BNC	1CH BNC
	Loop-Back	O	O	O
Audio / ADPCM (RCA type)		1CH Line	4CH Line	4CH Line
Compression Format		H.264 Baseline Profile (MPEG4 Part10)		
Max. Recording Frame Rate		CIF : MAX.120 / 100fps	CIF : MAX.240 / 200fps	
Recording Mode		Time Continuous / Schedule / Motion / Sensor		
Pre Post alarm Rdcording		Max. 30 sec / 30 minutes		
Alarm Input / Output (Terminal block NO /NC Programmable)		4CH TTL	8CH TTL	16CH TTL
		2CH TTL	2CH TTL, 2CH Relay	2CH TTL, 2CH Relay
Internal Device	HDD	1 SATA HDD	3 SATA HDD	
	ODD		1 SATA ODD (*Option)	
External Device	Device	USB Flash Memory	USB Flash Memory, USB External HDD	
	Exporting	Clip copyfor Quick Time Player (MOV), Own DB file		
RS485	PTZ Camera control	O	O	O
Control	Mouse, Remote Controller	O	O	O
Applications	Front Consol Control	O	O	O
Remote Access Interface		Support Same Local Control Interface		
Remote Access Tool		ActiveX Base Web Live & Search CNB HDx Viewer (CMS) Access (Live, Setting, Search, Recoding, ETC.)		

Model		HDF1212DV	HDE2424DV	HDS4848DV
Video Input	Composite	4CH BNC	8CH BNC	16CH BNC
Video Output	Main	1CH BNC	1CH BNC	1CH BNC
	VGA	O	O	O
	SPOT	1CH BNC	4CH BNC	4CH BNC
	Loop-Back	O	O	O
Audio / ADPCM (RCA type)		4CH Line	8CH Line	16CH Line
Compression Format		H.264 Baseline Profile (MPEG4 Part10)		
Max. Recording Frame Rate		CIF : MAX.120 / 100fps	CIF : MAX.240 / 200fps	CIF : MAX.480 / 400fps
Recording Mode		Time Continuous / Schedule / Motion / Sensor		
Pre Post alarm Rdcording		Max. 30 sec / 30 minutes		
Alarm Input / Output (Terminal block NO /NC Programmable)		4CH TTL	8CH TTL	16CH TTL
		2CH TTL, 2CH Relay	4CH TTL, 4CH Relay	12CH TTL, 4CH Relay
Internal Device	HDD	1 SATA HDD	3 SATA HDD	
	ODD	1 SATA ODD (*Option)		
External Device	Device	USB Flash Memory, USB External HDD		
	Exporting	Clip copyfor Quick Time Player (MOV), Own DB file		
RS485	PTZ Camera control	O	O	O
Control	Mouse, Remote Controller	O	O	O
Applications	Front Consol Control	O	O	O
Remote Access Interface		Support Same Local Control Interface		
Remote Access Tool		ActiveX Base Web Live & Search CNB HDx Viewer (CMS) Access (Live, Setting, Search, Recoding, ETC.)		

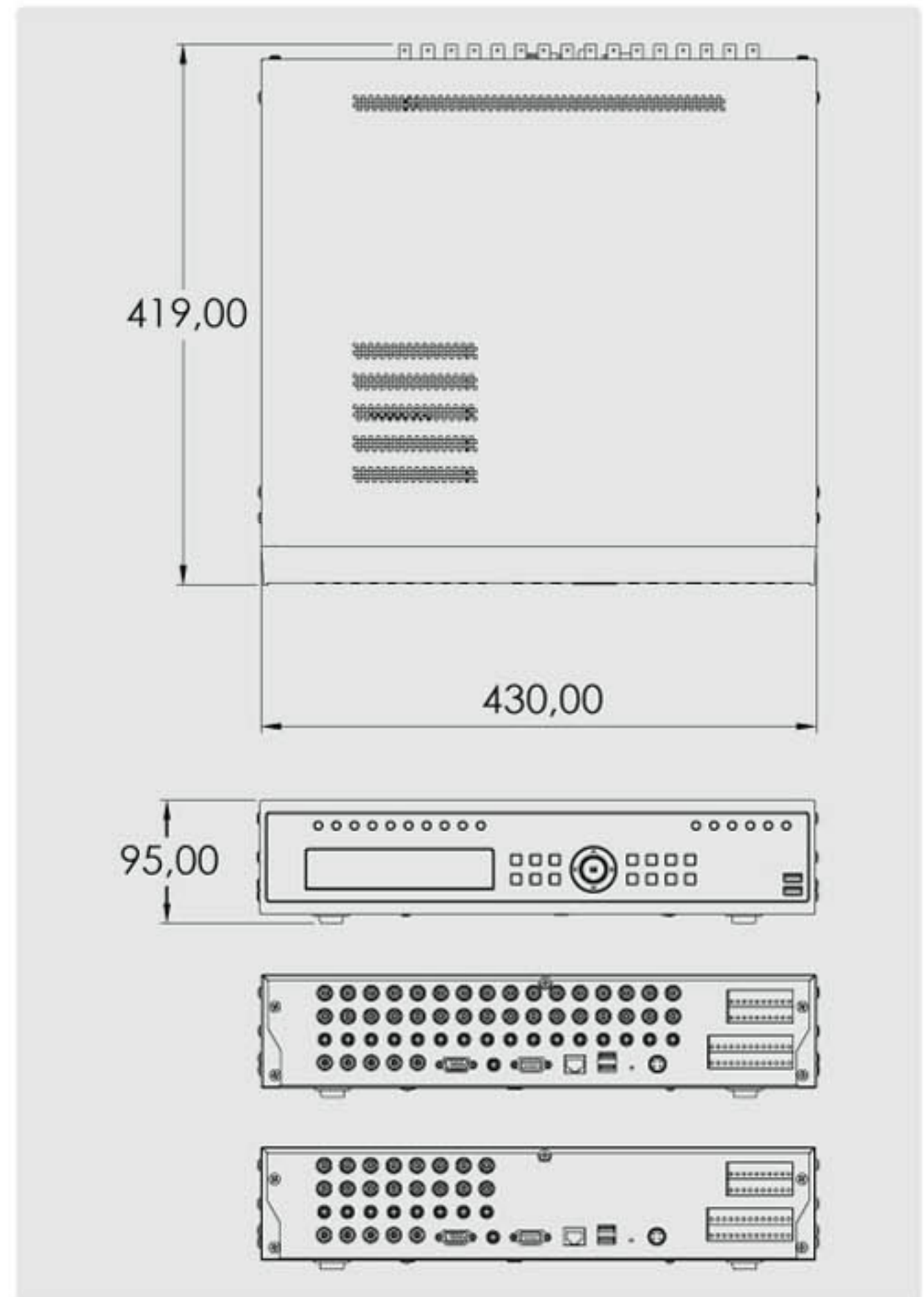


## DIMENSIONS

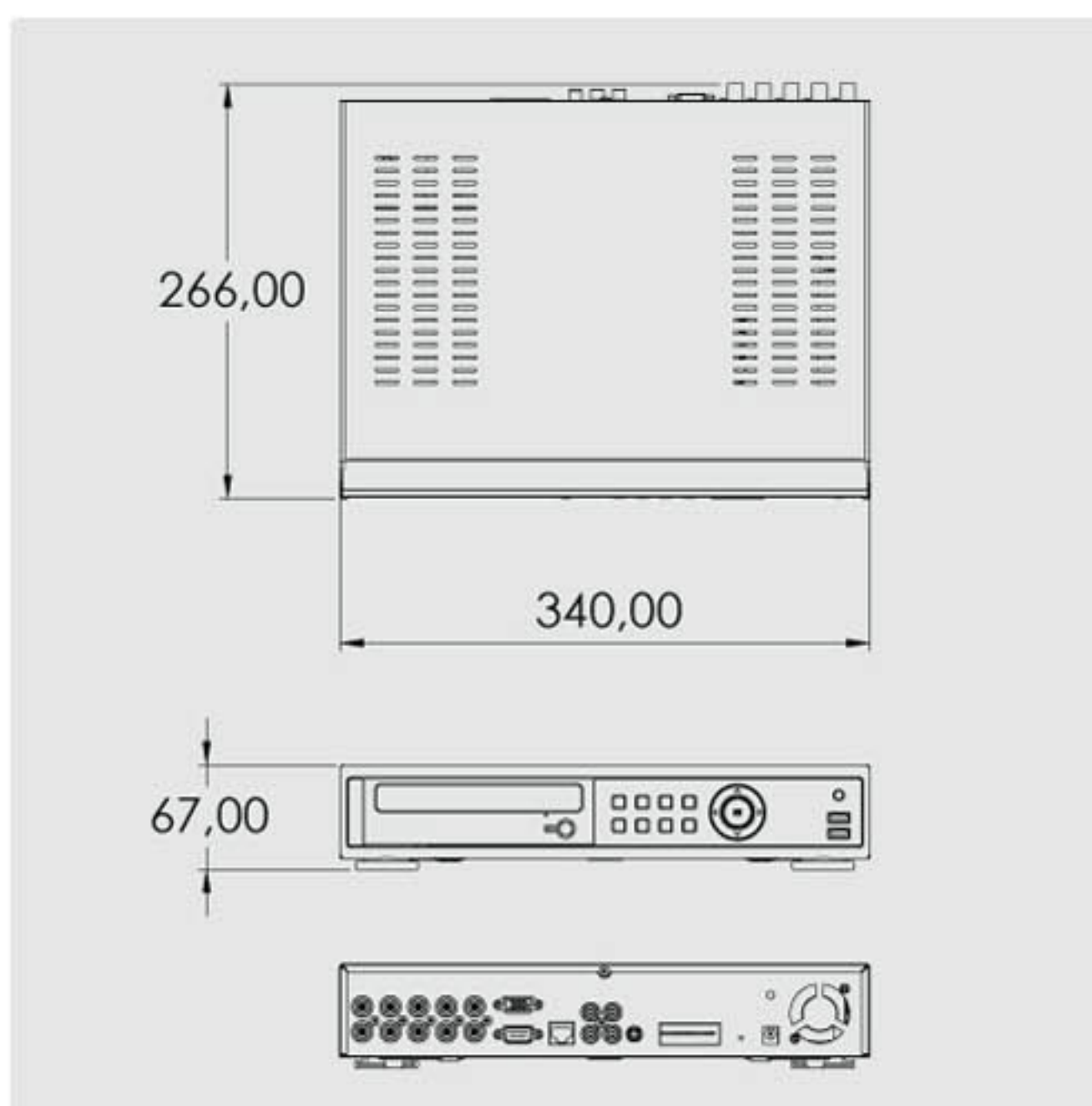
### HDS4848DV/HDE2424VD



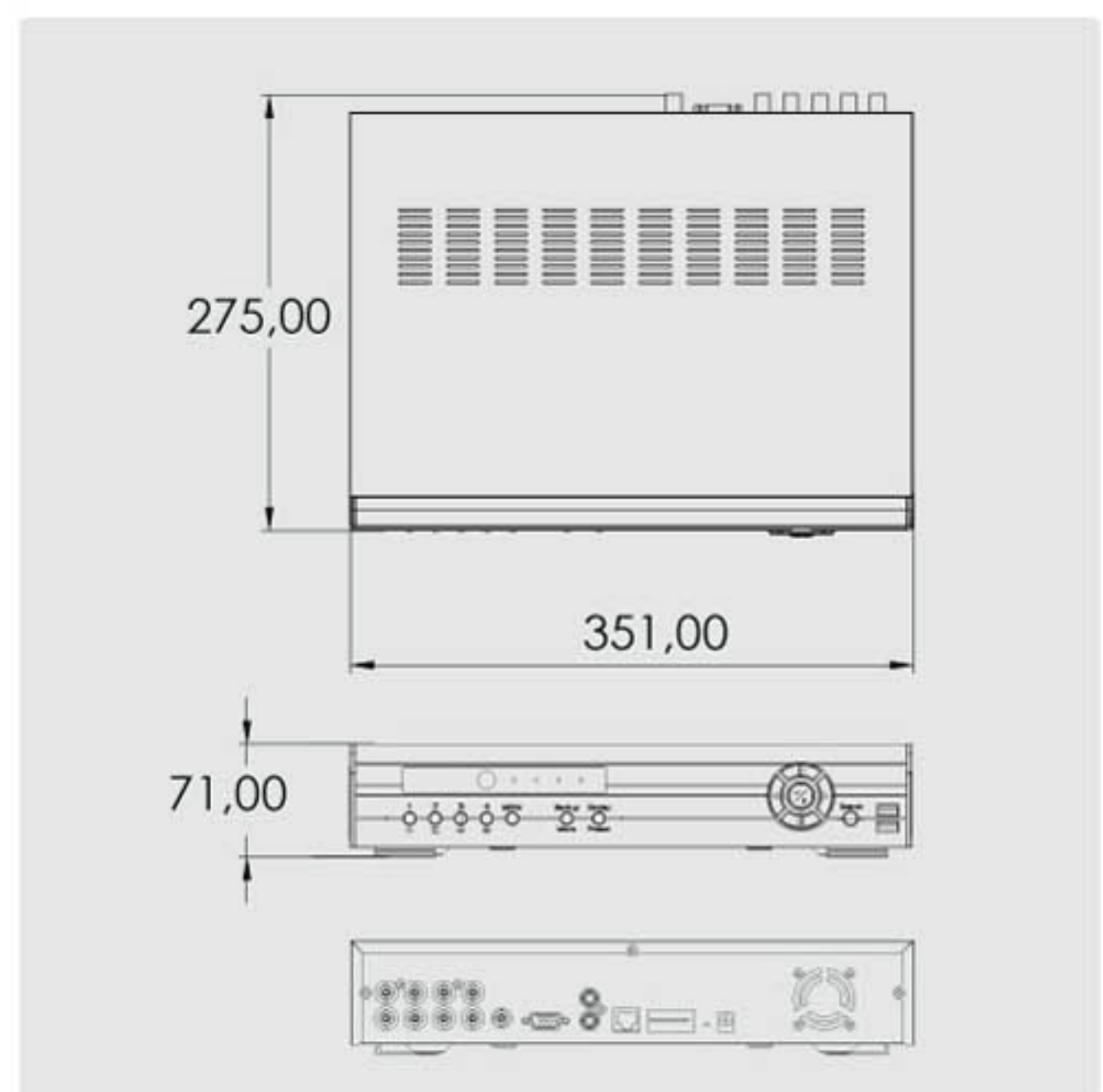
### HDS4824/HDE2412

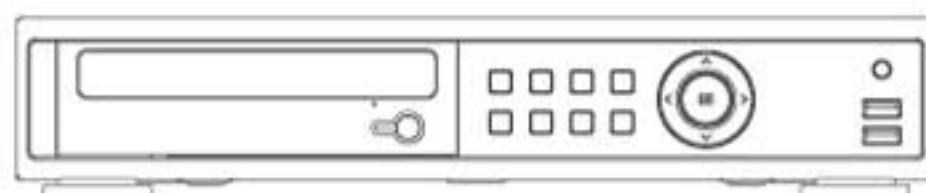


### HDF1212DV / HDF1212H

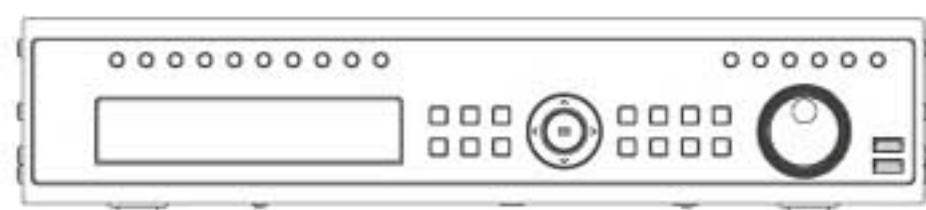


### HDF1212





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