



# D3000 Series

## 960H Digital Video Surveillance Recorder

4/8/12/16 ch. Super-Res DVR, Real-Time, HDMI, CMS, Mobile, PC/Mac, 2 HDD Support

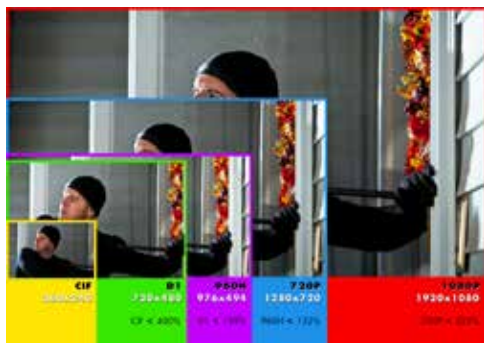


Bridging the gap between standard D1 resolution and high definition at an affordable price, the FLIR D3000 Series DVR supports 960H Super-Res (960x480) with Real Time recording. The 960H platform records with 34% more resolution than standard D1, offering a true to life aspect ratio designed for 16:9 wide screen viewing. D3000 DVRs enable the realization of the full potential of 700+ TVL 960H cameras by providing sharper, more detailed, accurate images.

Available in 4/8/12/16 channel configurations, advanced features of D3000 systems include Looping Outputs, HDMI, eSata backup support, CMS software, FLIR DDNS service, 2x HDD bays, full PC/Mac compatibility, and Mobile apps for iPhone, iPad and Android devices.

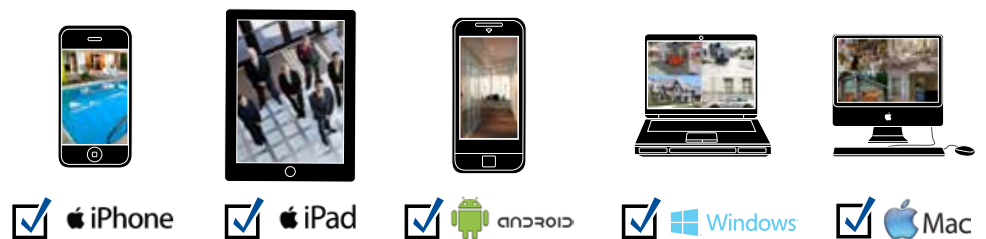
### Features

- ❖ 960H Super-Res (960x480) with Real-Time recording
- ❖ 34% greater resolution than standard D1
- ❖ True aspect ratio wide screen format, sharper, non-stretched image
- ❖ Looping, HDMI, VGA, Spot outputs
- ❖ CMS-D3 remote access SW, multi-site
- ❖ Mobile Apps: iPhone, Android, iPad
- ❖ Fully PC/Mac compatible
- ❖ Pentaplex operation
- ❖ Supports 2x HDD (SATA, 2TB) up to 4TB capacity
- ❖ FLIR DDNS service included
- ❖ Supports USB 2.0 or eSata back-up
- ❖ Auto Port Forwarding wizard for easy remote connection
- ❖ Supports RS485 (PTZ), Audio I/O, Alarm I/O



960H provides 34% more resolution than D1  
Wider aspect ratio. No image stretching!

### Stay Connected - Free Apps



Advanced mobile apps with PTZ controls and remote playback.



[flirsecurity.com/pro](http://flirsecurity.com/pro)



## System

Operating System	Embedded LINUX
Pentaplex	Simultaneous View, Record, Playback, Backup & Remote Monitoring
Number of Channels	4/8/12/16 Channel
System Navigation	USB Mouse, IR Remote Controller
User Authority	By user group

## Inputs/Outputs

Video IN	D3304: 4 x 1Vp-p, CVBS, 75ohms, BNC D3308: 8 x 1Vp-p, CVBS, 75ohms, BNC D3312: 12 x 1Vp-p, CVBS, 75ohms, BNC D3216: 16 x 1Vp-p, CVBS, 75ohms, BNC D3316: 16 x 1Vp-p, CVBS, 75ohms, BNC
Video Outputs	1 x HDMI, 1 x VGA, 1 x BNC (D3304 / D3308 / D3312 / D3216) / 2 x BNC (D3316)
Loop Output	D3304: 4CH, D3308: 8CH, D3312: 12CH, D3216: 16CH, D3316: 16CH
Audio IN	D3304: 4CH BNC, D3308: 8CH BNC, D3312: 2CH BNC, D3216: 4CH BNC, D3316: 16CH BNC
Audio OUT	D3304: 1CH BNC, D3308: 1CH BNC, D3312: 1CH BNC D3216: 1CH BNC, D3316: 2CH BNC
USB Port	2x USB, USB 2.0
Alarm IN	D3304: 4CH, D3308: 8CH, D3216: 8CH, D3312: 8CH, D3316: 16CH
Alarm OUT	1ch Out
PTZ control	RS-485 Pelco D & P Protocol

## Display

Video Output Resolution	800*600,1024*768, 1280*1024,1440*900, 1920x1080
Live Display	D3304: 1, 4, D3308: 1, 4, 9, D3312: 1,4,9,12, D3216: 1, 4, 9, 16, D3316: 1, 4, 9, 16

## Recording

Video Compression	H.264
Audio Compression	G.711
Recording Resolutions Supported	NTSC: 960x480 (960H), 960x240, 720x480 (D1), 720x240 (2CIF), 480x240, 360x240 (CIF) PAL: 960x576 (960H), 960x288, 720x576 (D1), 720x288 (2CIF), 480x288, 360x288 (CIF)
Recording Speed	D3304/D3308/D3312/D3316: 960H (960x480) @ 30fps per channel / D1 (720x480) @ 30fps per channel D3216: 480x240 @ 30fps per channel / CIF (360x240) @ 30fps per channel D1 (720x480) @ 14fps per channel / 2CIF (720x240) @ 14fps per channel 960H (960x480) @ 10fps per channel / 960x240 @ 10fps per channel
Recording Quality Control	3 levels
Motion Area Setting	Adjustable grid (30x44) NTSC Adjustable grid (36x44) PAL
Sensitivity levels	8
Pre Recording	Max. 10 Seconds
Post Recording	Max. 5 Minutes
Covert Video	Yes

## Playback

Playback Channel	1/4/8/12/16 Adjustable
Playback Speed	Variable Max 16x
Playback Players	Backup Player
Search	By time & event
Log Search	Up to 1,000,000 lines for motion detected, configuration changes, connects/disconnects and video loss.
Audio Play	Yes

## Storage & Backup

Storage	Up to 2 HDDs (SATA), 2.5" or 3.5"
Maximum Capacity	D3304/D3308/D3216: up to 2 x 2TB D3312/D3316: up to 2 x 4TB
Backup Media	USB Flash Drive, USB External HDD, E-SATA External HDD
Backup File Format	H.264 file (AVI generator included)
Configuration Backup	Via USB Device

## Network

Supported Operating Systems	Windows™ XP, Vista, 7, 8 Mac OSX Snow Leopard 10.6 or above
Browsers	Internet Explorer & Safari 6.0
Email notification	Text with snapshot
Instant Smart Phone Compatibility*	Smart Phone & Tablet Compatibility: iPad™, iPhone™, Android (version 2.2 & above).
System Configuration	Full setup configuration over network
Ports	Programmable by User
Network Protocol	TCP/IP / DHCP / UDP / DDNS / PPPoE
Network Interface	10/100-Base-TX, RJ-45
Network Speed Control	48Kb ~ 8MB/sec.
Firmware Upgrade	Via USB device and Network
Time Synchronization	Auto time sync by NTP server

## General

Supply Voltage	100VAC-240VAC, 12VDC, 5A, 50/60Hz
Unit Dimensions (W x D x H)	14.96"/380mm x 13.39"/340mm x 1.97"/50mm
Unit Weight (KGs)	3 kg / 6.6lbs
Operating temperature	32° ~ 104° F / 0° ~ 40° C
DDNS	FLIR DDNS included
Humidity	10 ~ 90% NC

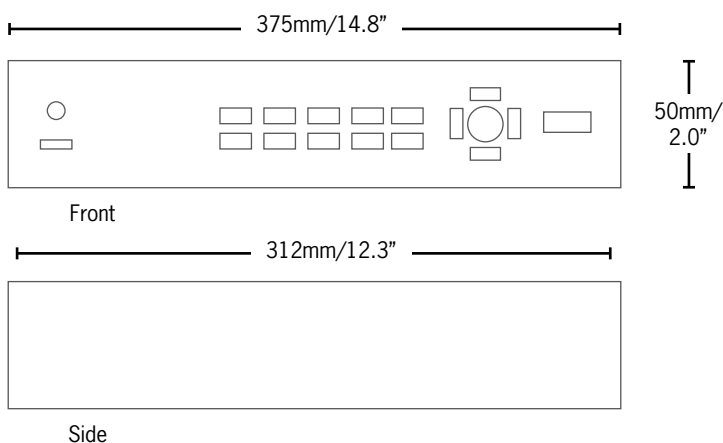
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# Specifications

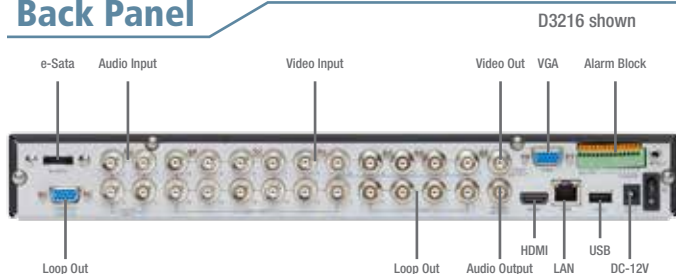
## Package Dimensions

Weight:	3.9kg/8.5lbs
Package Dimensions:	480mm x 95mm x 370mm / 18.9" x 3.7" x 14.6" (W x H x D)
Cube:	0.017 Cubic Metres / 0.60 Cubic Feet

## Product Dimensions



## Back Panel



## Product Information

UPC:	D33045G 4 Channel 500GB HDD	8-41430-00819-4
	D33041T 4 Channel 1TB HDD	8-41430-00820-0
	D33081T 8 Channel 1TB HDD	8-41430-00821-7
	D33121T 12 channel 1TB HDD	8-41430-00901-6
	D32161T 16 Channel 1TB HDD	8-41430-00822-4
	D33161T 16 Channel 1TB HDD	8-41430-00823-1

Includes: DVR, Remote Control, Mouse, Power Supply, Software Application CD