



ADVANCED
TECHNOLOGY
VIDEO

ULTIMATE SERIES

>>> **REAL TIME, 480-IPS, H.264,
16-CHANNEL, DVR WITH
FULL HIGH DEFINITION DISPLAY**

FALCON HDX DVR
FA-HDX16



- > H.264 Compression with Real-Time 480-ips D1 Recording
- > 16-Channel Looping BNC Inputs
- > Multiple Recording Modes: Time-Lapse, Event, Pre-event (up to 30 minutes), Text-in, Panic
- > Full High Definition (FHD), 1920x1080 Display Capability
- > ATVision Pro® Remote Management Software features Monitoring, Playback, Recording, Setup, PTZ, Upgrade, Map Integration, Multi-Site System Health Monitoring
- > Programmable Video Motion Detection (VMD), Video Obscuration Detection (VOD) and Video Blind Detection (VBD)
- > Concurrent Main, Secondary and Spot Monitor Outputs: HDMI, VGA and BNC
- > Powerful Search Modes: Calendar, Time-Date, Event, Motion, Museum, Text-in
- > 16-Channel Audio Recording and 1-Channel Audio Playback
- > Pentaplex Functionality: Monitoring, Recording, Playback, Archiving and Transmission at the same time
- > Maximum 5-HDD's with included DVD-RW
- > IR Remote and USB Mouse included
- > Multiplex Secondary Monitor Output
- > e-SATA and i-SCSI External Storage Capability
- > Internal HDD Mirroring Functionality

FALCON HDX DVR FA-HDX16

ULTIMATE SERIES

SPECIFICATIONS

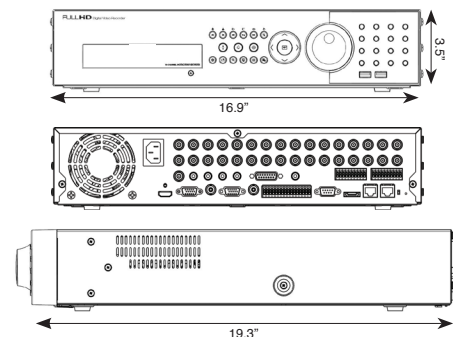
MODELS		FA-HDX16-2TB (2TB total HDD storage)
		FA-HDX16-4TB (4TB total HDD storage)
		FA-HDX16-xTB (x = 6, 8 or 10TB total HDD storage)
V I D E O	Video Input	16-BNC looping inputs, auto terminating
	Video Resolution Primary Monitor	HDMI: 1920x1080, 1680x1050, 1600x900, 1440x900, 1280x1024 VGA: 1920x1080, 1680x1050, 1600x900, 1440x900, 1280x1024 Composite: 720x480
	Secondary Monitor SPOT	VGA: 800x600, Composite: 720x480 Composite: 720x480
	Record Speed (images per second)	Real-time 480ips @ D1
	Playback Speed (images per second)	Real-time: 480ips @ D1
C O N N E C T O R S	PTZ Control	RS485 Serial Terminal Block
	Video Input	Composite: 16 BNC
	Video Loop	Composite: 16 BNC (Auto Terminating)
	Monitor Output Primary	1-HDMI, 1-VGA, 1-Composite BNC 1-Vp-p, 75 Ohms
	Secondary	1-VGA, 1-Composite BNC 1-Vp-p, 75 Ohms
	Spot	1-Composite BNC 1-Vp-p, 75 Ohms
	Alarm Input	16 Terminal Block, Programmable
	Alarm Output	4 relay Output terminal block, Programmable
	Alarm Reset Input	1 TTL, Terminal Block
	Network Connectivity	10Mbps/1Gbps Ethernet (RJ-45)
	Audio Input	4 RCA + 12 D-sub, line level
	Audio Output	1 RCA + 1 HDMI, line level
	Text Input	POS Interface, ATM Interface (RS232C Serial DB9), USB, LAN
	PTZ Control	RS485 Serial Terminal Block
	IR Port	1 Remote Control
	USB Port	2 (USB 2.0) front panel
	eSATA Port	eSATA
	iSCSI Port	RJ-45
	Network Protocols	Static IP, ASDL, DHCP, DVRNS (Enhanced DDNS)
	Remote Connections	Admin: 2 / Watch: 10 / Search: 2
	Remote Software	ATVision: Monitoring, Playback, Recording, Setup, PTZ, Upgrade, DVR Status ATVision Pro®: Triplex operation, (User defined 64-channel view), Map integration, Multi-Site System Health Monitoring
G E N E R A L	Remote Data Export	Clip-Player, AVI, JPEG, BMP
	Remote Transmission Rate	Max 120-ips with bandwidth control
	Primary Storage	SATA Hard Disk Drive (up to 5, or 15TB Total; Up to 4 w/an eSATA HDD) Maximum 40TB storage (Internal and External)
	Dimensions (WxHxD)	16.9" x 3.5" x 19.3" (430mm x 88mm x 490mm)
	Unit Weight	22.9lbs (10.4kg)
	Operating Temperature	41°F to 104°F (5°C to 40°C)
	Operating Humidity	0% to 90%
	Power	100 - 240 VAC, 2.0 - 1.0A, 50/60Hz
	Power Consumption	Max 100W
	Conformity Certifications	FCC, UL*, CB, CE

*CAUTION: Risk of Explosion if Battery is replaced by an Incorrect Type. Dispose of Used Batteries According to the Instructions.

ACCESSORIES

LB3L DVR Lockbox, Large
eSATA Storage Devices, see eSATA External Storage Product Category at www.atvideo.com

DIMENSIONS



ATVision Pro® Remote Management Software

STORAGE

The FA-HDX16 records up to 480 images per second (ips) at D1 resolution (30-ips per channel) and the tables illustrate a typical recording duration for CIF, 2CIF and D1 record resolutions with a single video input, with continuous video recording on a 2TB hard disk drive. The actual storage duration will vary depending on the number of cameras recorded, the image quality selected, the recording speed, recording schedule, motion content of the images and the number of stored events.

2TB HDD

CIF (ips)	Basic Days	Standard Days	High Days	Very High Days
30	386	175	138	101
20	579	263	207	152
15	772	351	275	203
5	2314	1052	827	609
1	11574	5261	4134	3046

2TB HDD

2CIF (ips)	Basic Days	Standard Days	High Days	Very High Days
30	192	87	69	51
15	386	175	138	101
10	579	263	207	152
5	1157	526	413	305
1	5787	2630	2067	1523

2TB HDD

D1 (ips)	Basic Days	Standard Days	High Days	Very High Days
30	96	44	34	25
20	145	66	52	38
10	289	131	103	76
5	578	263	207	152
1	2893	1315	1033	761

Storage is for one input; divide by number of cameras

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