speco technologies®

LX Hybrid Digital Video Recorder with Looping Outputs

IP | **960H** | **DIGITAL DETERRENT** | **2-WAY AUDIO** | **EZ SEARCH** | **EZ WIZARDS** | **S.M.A.R.T.**

D12LX — 8 Ch. 960H Analog + 4 Ch. IP Hybrid Digital Video Recorder

D20LX — 16 Ch. 960H Analog + 4 Ch. IP Hybrid Digital Video Recorder

Front panel

Storage	1TB – 9TB

D12LX1TB	D12LX6TB	D20LX1TB	D20LX6TB
D12LX2TB	D12LX9TB	D20LX2TB	D20LX9TB
D12LX3TB		D20LX3TB	
D12LX4TB		D20LX4TB	

Rear panel   **D20LX shown**

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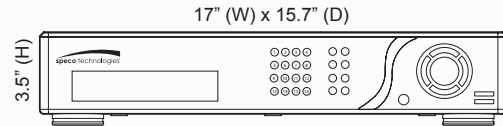
17" (W) x 15.7" (D)

3.5" (H)

Features

EZ Set-Up Wizards: one click wizard guides you to set up essentials of the system in a logical and easy to understand sequence.
- Date/Time - Recording method - Recording video quality - Network
- Port forwarding

EZ Search: quickly search events from thumbnails

EZ Record: quickly setup recording resolutions and recording type

EZ Copy: auto copy what you are playing onto a USB flash drive

- 8 or 16 analog channels (960H) + 4 IP channels (1080p)
- ONVIF support*
- Video Out: 1 HDMI®, Loop Out, 1 Spot, 1 VGA
- Multiple search engines (date/time, calendar, record table, event, motion, museum)
- Auto port forwarding and SSL encryption
- 2-way audio communication
- Digital Deterrent® for triggering audio message via motion detection or sensor
- Built-in DVD RW drive
- Built-in S.M.A.R.T. Technology (Self-Monitoring, Analysis and Reporting Technology for HDD)
- Free Speco DDNS service for use with dynamic IP addresses
- MAC® & PC compatible software included
- POS/ATM support with text overlay and searchable database
- SNS communication alert via Twitter™
- Remote monitoring, recording, playback, change system settings and dome camera control via network
- IR remote control included - individually control up to 16 DVRs

- USB 2.0 port for video clip exporting
- Configurable per channel normal and event recording frame rate and picture quality or globally via EZ Record
- Easy software upgrade via network or USB flash drive
- Free Central Management System (Speco Central II) software allows viewing of multiple DVRs on a PC
- Concurrent User Connections: Admin (2), Watch (10), Search (2)
- Digital zoom in live mode and playback
- Covert camera operation provides enhanced security and administrator control
- Playback while watching live on same monitor
- Up to 30 minutes pre-alarm recording
- Up to 30 minutes post-alarm recording
- USB mouse supported (not included)
- Password to secure installation with configurable user authentication levels
- Rack mountable (hardware included)
- SecureGuard® compatible
- 3 year warranty

Available on the App Store | ANDROID APP ON Google play | BlackBerry | Twitter | ONVIF | HDMI®

Optional Accessories

LSPSWMKIT
Wall Mounting Kit

IRRPTKIT
IR Repeater Kit

ITEM			D12LX	D20LX
Video	Input	Channel	8 analog + 4 IP	16 analog + 4 IP
		Input Level	Composite 1.0Vp-p / 75 ohms	
		Signal Format	NTSC / PAL	
		Video Loss Check	Yes	
	Output	HDMI®	1 HDMI (1280x1024 / 1440x900 / 1920x1080)	
		VGA	1 VGA (1280x1024 / 1440x900 / 1920x1080)	
		BNC Spot	1 channel sequence	
		Loopout	8 analog	16 analog
Audio	Input		4 line	
	Output		1 line	
	Audio Codec		G.711	
Alarm	Serial Input (NC/NO Selectable)		8	16
	Alarm Output		2 alarm out by sensor, motion and video loss	
Serial	RS-232	POS	1	
	RS-485	PTZ/POS	1	
Recording	Compression		H.264	
	Multi-Operation		Quadplex (play, record, network, backup)	
	Resolution	Analog — 960H	240fps	288fps
		Analog — D1	240fps	480fps
		Analog — CIF	480fps	480fps
		IP — 720p	120fps	
		IP — 1080p	70fps	
	Recording Mode		Cont / Schedule / Motion / Sensor / Panic	
	Motion Detection		Motion detection grid	
	Recording by Channel's Resolution		Yes	
	Pre-Recording		5 seconds to 30 minutes before an event	
	Post Recording		5 seconds to 30 minutes after an event	
Playback	Multi-Decoding		1, 4, 6, 9, 12, PIP	1, 4, 6, 9, 12, 16, 20, PIP
	Search Mode		Date/Time, Record Table, Calendar, Event, Motion, Museum, Text-In, EZ Search	
Storage	HDD	Interface Type	SATA 2.0	
		Capacity of 1 HDD	3TB	
		Internal HDD Number	3	
	Backup	USB Flash Drive	Video & Still Image	
		USB External HDD	Video & Still Image	
		Network	Video & Still Image	
	USB Port		2 front	
Network	Interface		10/100/1000Base-TX Ethernet	
	Streaming		CIF120fps (analog) / depends on profile (IP)	
	IP Camera Throughput		24 Mbps	
Network Access	Mobile Viewer		Speco Mobile (Live, Search, PTZ, 2-Way Audio)	
	PC Web Viewer		Internet Explorer (Live, Search, Backup, PTZ, Remote Setup)	
	PC Client		Speco Central II and SecureGuard® (Live, Search, Backup, PTZ, Remote Setup)	
	MAC Client		Speco Remote for MAC and SecureGuard® (Live, PTZ)	
Features	Digital Deterrent®		Default + up to 16 custom audio files	
	Digital Zoom		Live: x2, x3, x4 / Playback: x2, x4	
	DLS (Daylight Savings)		Yes	
	EZ Record		Yes	
	S.M.A.R.T		Yes	
	Internal Beep		Yes	
	Multi-Language		English, French, Spanish	
	Dynamic DNS		Yes (free Speco DDNS)	
	SW Upgrade		USB and remote software upgrade	
	Email Notification		Yes	
	NTP (Network Time Protocol)		Yes	
Power Source	Power Supply Voltage		12VDC, 5A	
	Allowable Operating Temperature / Humidity		41° F – 104° F / 0% – 90% RH	
	Allowable Storage Temperature		14º F – 122º F	
Weight	Unit Weight (Gross Weight)		17.9 lbs.	
Dimensions	Unit Dimensions (W x H x D)		17" (W) x 3.5" (H) x 15.7" (D)	

Please note that specifications and unit exterior design are subject to change without notification.