FENIX

FX-7104-8-16   TURBO HD DVR

Features and Functions

Video Input and Transmission

- Connectable to HD-TVI, AHD, HD-CVI and analog cameras
- Long distance transmission over twisted-pair cable & coax cable

Compression and Recording

- H.264+ compression improves encoding efficiency by up to 50% and reduces data storage costs
- Full channel recording at up to 1080p resolution
- Supports 1080p lite mode enabled to realize the real-time 1080p lite and 720p lite resolution

Video Output

- HDMI/VGA output at up to 1920 × 1080p resolution for DS-7104/7108HQHI-F1/N and 4K (3840 × 2160p) resolution for DS-7116HQHI-F1/N

Storage and Playback

- One SATA interface (up to 6TB of capacity per HDD)
- 4/8/16-ch synchronous playback at up to 1080p resolution
- Smart search for efficient playback

Smart Function
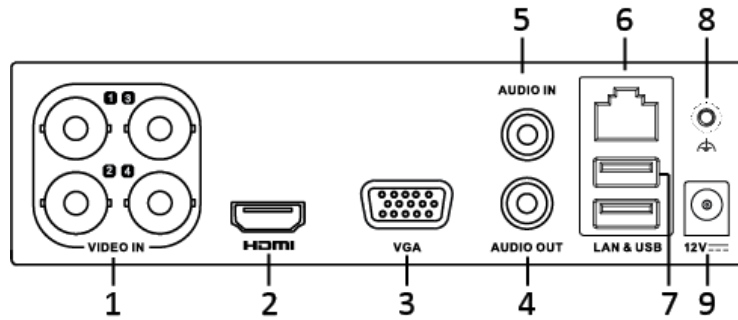
- VQD (Video Quality Diagnostics)

Network & Ethernet Access

- HIK Cloud P2P & HiDDNS (Dynamic Domain Name System) for easy network management
- One self-adaptive 10/100Mbps network interface for DS-7104/7108HQHI-F1/N and one self-adaptive 10/100/1000Mbps network interface for DS-7116HQHI-F1/N

Specifications

Model		FX-7104	FX-7108	FX-7116
Video/Audio input	Video compression	H.264+/H.264		
	Analog video input	4-ch	8-ch	16-ch
		BNC interface (1.0Vp-p, 75 Ω), supporting coaxitron connection		
	Supported HD TVI input	1080p/25Hz, 1080p/30Hz, 720p/25Hz, 720p/30Hz, 720P/50Hz, 720p/60Hz		
	Supported AHD input	720p/25Hz, 720p/30Hz		
	CVBS input	Support		
	Audio compression	G.711u		
	Audio input/Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
Video/Audio output	HDMI/VGA output	1-ch, 1920 × 1080/60Hz,1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
	Encoding resolution	When 1080p Lite mode not enabled: 1080p(non-real-time)/720p(non-real-time)/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 1080p lite/720p lite/VGA/WD1/4CIF/CIF		
	Frame rate	Main stream: 25fps(P)/30fps(N)		
		Sub-stream: CIF/QVGA/QCIF (real time)		
	Video bitrate	32 Kbps to 6 Mbps		
	Audio output	1-ch, RCA (Linear, 1KΩ)		
	Audio bitrate	64 Kbps		
	Dual-stream	Support		
	Stream type	Video, Video & Audio		
	Synchronous playback	4-ch	8-ch	16-ch
Network management	Remote connections	128		
	Network protocols	TCP/IP, PPPoE, DHCP, HIK Cloud P2P, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS, ONVIF		
Hard disk	SATA	1 SATA interface		
	Capacity	Up to 6TB capacity for each disk		
External interface	Network interface	1; RJ45 10M/100Mbps self-adaptive Ethernet interface		1; RJ45 10M/100/1000Mbps self-adaptive Ethernet interface
	USB port	2 × USB 2.0		
General	Power supply	12 VDC		
	Consumption (without hard disks)	≤ 8W	≤ 12W	≤ 20W
	Working temperature	-10 ºC to +55 ºC (14 ºF to 131 ºF)		
	Working humidity	10% to 90%		
	Dimensions(W × D × H)	200 × 200 × 45mm (7.9 × 7.9 × 1.8 inch)		285 × 210 × 45mm (11.2 × 8.3 × 1.8 inch)
	Weight(without hard disks)	≤ 0.8 kg (1.8 lb)		≤ 1.2 kg (2.6 lb)

Physical Interfaces

NOTE The rear panel of DS-7108HQHI-F1/N and DS-7116HQHI-F1/N provides 8 and 16 video input interfaces respectively.

Index	Description	Index	Description
1	VIDEO IN	6	LAN Network Interface
2	HDMI Interface	7	USB Ports
3	VGA Interface	8	GND
4	AUDIO OUT, RCA Connector	9	12VDC Power Input
5	AUDIO IN, RCA Connector		

Available Models

DS-7104HQHI-F1/N, DS-7108HQHI-F1/N, DS-7116HQHI-F1/N