

EX RTHR

Effio 960H Standalone DVR



EX-12004RTHR-1T, EX-12004RTHR-2T, EX-24008RTHR-1T, EX-24008RTHR-2T,
EX-48016RTHR-1T, EX-48016RTHR-2T

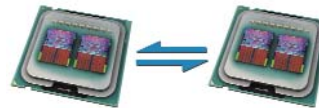


Features:

- ❖ Dual Core CPU with super fast processing power
- ❖ Auto port forwarding (UPNP) for routers
- ❖ Industrial Hi performance with HDMI output and eSATA Port
- ❖ POINT TO ZOOM FUNCTION: Video Motion Triggered, PTZ Presets
- ❖ 4/8/16 SONY Effio 960H cameras with 1080P realtime preview
- ❖ Video Output - X1 Composite video, X1 VGA, X1 HDMI, X1 Matrix
- ❖ Alarm Triggering, OSD, siren, PTZ preset, e-mail, FTP upload
- ❖ H.264 compression algorithm save HDD space & low bandwidth transmission
- ❖ SONY Effio 960H Compatible 976(h) x 494(V) NTSC, 976(h) x 582(V) PAL

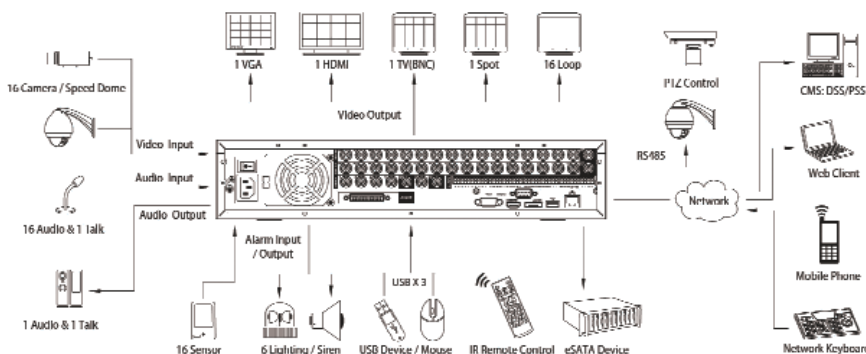
Ultra High Resolution 960fps Standalone DVR 700TVL Real time D1 Recording across all channels

- ❖ GRID Search interface with smart search function
- ❖ AVT (Auto Video Tracking), Intelligent positioning re-centres PTZ dome camera
- ❖ Easy backup: USB, CD/DVD-RW & network download
- ❖ Support X8 SATA HDDs up to 24TB, X1 eSATA up to 12TB, X3 USB 2.0
- ❖ Built-in web server, CMS (DSS/PSS) & DMSS
- ❖ HDMI / VGA / TV / Spot (BNC) synchronized video output



Powerful Dual Core Processor
Full HD Independent image upscaling feature

Connection diagram



MAC OS Compatible



64 Channel NVR Client
with IP & Megapixel camera integration included



Model		EX-12004RTHR-1T, EX-12004RTHR-2T	EX-24008RTHR-1T, EX-24008RTHR-2T	EX-480164RTHR-1T, EX-480164RTHR-2T
System	Main Processor	High performance Dual-core embedded microprocessor		
	Operating System	Embedded LINUX		
	System Resources	Pentaplex function: live, recording, playback, backup & remote access		
	Control Mode	Front panel, USB mouse, IR remote control, Keyboard, Network		
Video	Analog Input	4 channel, BNC (1.0Vp-p, 75Ω)	8 channel, BNC (1.0Vp-p, 75Ω)	16 channel, BNC (1.0Vp-p, 75Ω)
	Standard	NTSC/ PAL, Effio 960H camera		
	Output	1 HDMI, 1 VGA, 1 TV, 1 Spot, BNC(1.0Vp-p, 75Ω)		
	Loop Output	4 channel	8 channel	16 channel
Audio	Input	4 channel, BNC(200-2800mV, 30KΩ)	8 channel, BNC(200-2800mV, 30KΩ)	16 channel, BNC(200-2800mV, 30KΩ)
	Output	1 channel, BNC(200-3000mV, 5KΩ)		
	Bidirectional Talk	1 channel Input, BNC(200-2800mV, 30KΩ), 1 channel Output, BNC(200-3000mV, 5KΩ)		
Display	Display Split	1/4	1/4/8/9	1/4/8/9/16
	Spot Split	1/4	1/4/9	1/4/9/16
	Resolution	1920×1080, 1280×1024, 1280×720, 1024×768		
	Tour Display	Support		
	Privacy Masking	4 self-defined four-sided zones for privacy masking for each camera		
	OSD	Camera title, time, video loss, camera lock, motion detection, recording		
Recording	Video/Audio Compression	H.264 / G.711		
	Image Resolution	960H(960×576/960×480) / D1/4CIF(704×576/704×480) / HD1(352×576/352×480) / 2CIF(704×288/704×240) / CIF(352×288/352×240) / QCIF(176×144/176×120)		
	Encoding Speed	Main Stream: 960H/D1/HD1/2CIF/CIF(1~25/30fps)		
	Bit Rate	32~4096Kb/s		
	Recording Quality	CBR, VBR(1~6 level, level 6 is the best)		
	Recording Mode	Manual, Schedule(Regular(Continuous), MD(Video detection: Motion detection, Camera blank, Video loss), Alarm), Stop		
	Recording Priority	Manual >Alarm >MD >Regular		
	Recording Interval	1~120 min. (default: 60 min.), Pre-record: 1~30 sec., Post-record: 10~300 sec.		
Video Detection & Alarm	Trigger Events	Recording, PTZ movement, Tour, Alarm, Email, FTP, Spot, Buzzer & Screen tips		
	Motion Detection	Zones: 396(22×18), Sensitivity: 1~6 (level 6 is highest)		
	Video Loss & Camera Blank	Support		
	Alarm Input	4 channel	8 channel	16 channel
	Relay Output	6 channel		
Playback & Backup	Playback Channel	1/2/4/All		
	Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search		
	Playback Functions	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom(any size)		
	Backup Mode	Flash drive/ USB HDD/ USB CD&DVD-RW / eSATA Device / Built-in SATA CD/DVD-RW burner/ Network download		
Network	Ethernet	Dual RJ-45 ports (10/100M/1000M)		
	Network Functions	HTTP, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server		
	Remote Operation	Monitor, PTZ control, Playback, System setting, File download, Log info		
Hard Disk	Hard Disk	8 SATA ports, 8 HDDs or 6 HDDs + 1 CD/DVD-RW, Up to 24TB		
	eSATA	1 eSATA port (optional 4 bay backup, up to 12 TB)		
	Space Occupation	Audio: 28.8MB/H, Video: 56~1800MB/H		
	HDD Management	HDD Group, HDD hibernation technology, HDD faulty alarm & Raid(Redundancy)		
Auxiliary Interface	USB Interface	3 ports, For mouse control & backup		
	RS232	Keyboard, PC communication		
	RS485	PTZ control		
Environmental	Power Supply	AC 100~240 V, 50/60 Hz		
	Power Consumption	105W Max		
	Working Environment	-10°C ~ +55°C / 10 ~ 90%RH / 86 ~ 106kpa		
	Dimension (W×D×H)	2U, 440mm×460mm×89mm / 17"×18"×3.5"		
	Weight	6.5KG / 14Lb (without HDD)		

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