

Cost Effective 8/16/24/32 Channel MPEG 4 Stand-Alone Network DVR



- Build in Matrix & Support DVD Writer.
- Support PC Mouse Operation & Built-in 4 USB 2.0 Ports
- Support 16 Video Looping Outputs and Dial-Up Function.
- 4 Channel Synchronously Playback.
- Add Key Short-Cut Such As Playback, Copy and PTZ Operation, Which Makes Interface More Friendly and Convenient.
- Simplified Terminal Software, Which Can Connect More Than 100 Sets of DVRs At The Same Time.
- Adjustable Frame Rate, Which Helps With Better Frame Rate Utilization According To Your Practical Use.
- Multi-Level User Management, Supports User Name Input.
- 24-Bit Color Menu, Creates Crystal Clear Image Effect.
- Optional CBR or VBR Mode.

Key Features:

- Surveillance: Both BNC and VGA outputs for real time monitoring.
- Build in Matrix Output: Build-in 16x4 Matrix Output for 16 channel circular patrol monitoring.
- Support PC Mouse: Support USB PC mouse for easier system operation.
- Recording: H.264 video compression, support CBR, VBR and adjustable recording frame rate. Support manual recording, time recording, alarm recording and pre-recording.
- Playback: 4-channel synchronous playback, time stream design to ensure accurate and quick search.
- Storage: Support 8 IDE HDD and each HDD support max. 2T capacity. Apply non-working HDD sleeping mode. Support 4 USB 2.0 ports, USB removable HDD backup and network backup.
- Alarm: Support 16 channel on/off inputs, 4 channel on/off output. Support external alarm record, motion and alarm record, manual record, shelter alarm record.
- PTZ and DVD-writer: Support multiple PTZ protocol. Support keyboard/remote controller operation and DVD-writer for back up.
- Network: Support TCP, UDP, RTP, RTCP, multicast etc. Support PPPoE and remote parameters setup. Support Dual stream and the sub stream. Support CIF/QCIF compression resolution.
- Security Management: Support circuit protection, protect from over-volt, over current and short circuit.
- Other Functions: Support video loop out.

Specifications:

Model	M4-MA8	M4-MA16	M4-MA24	M4-MA32
CPU	IDT Duo CPU			
DSP	MPU Processor	MPU Processor	BlackFin Video Processors	BlackFin Video Processors
Video				
Format	PAL/NTSC			
Compression	H.264			
Input	8 BNC(a.oVp-p.75 ohm)	16 BNC(a.oVp-p.75 ohm)	24 BNC(a.oVp-p.75 ohm)	32 BNC(a.oVp-p.75 ohm)
Main Output	1 CH BNC(1.0Vp-p.75 ohm), 1 CH VGA		2 CH BNC(1.0Vp-p.75 ohm), 1 CH VGA	
Video Loop Out	16 BNC(a.oVp-p.75 ohm)		N/A	N/A
Matrix Output	4 BNC(a.oVp-p.75 ohm)		24x4 (optional)	32x4 (optional)
Audio				
Compression Standard	N/A	N/A	G. 723/ADPCM	G. 723/ADPCM
Input	N/A	N/A	16 CH, BNC(100mv-500mv, 10K ohm), 1 CH communication	
Output	N/A	N/A	1 CH, RCA (100mv-500mv, 1K ohm)	
Display				
Resolution	D1: 704*576(PAL), 704*480(NTSC)			
Video Standard	PAL(625 line), NTSC(525 line)			
Division	Single, Multiple (4/6/9/16/)	Single, Multiple (4/6/9/16/)	Single, Multiple (4/9/16/25/36), Digital Zoom	
Recording				
Resolution	PAL: CIF(352*288), NTSC CIF(352*240)			
Frame Rate	25 Frames Per Second/CH, Full Real Time, Adjustable			
Quality	5 Levels, Adjustable			
Mode	Manual/Schedule/Event (Motion Detection/Alarm Sensor)			
HDD				
Basic Storage	8 HDD Capacity, Max.: 2T/HDD	8 HDD Capacity, Max.: 2T/HDD	6 HDD Capacity, Max.: 500GB/HDD	6 HDD Capacity, Max.: 500GB/HDD
Requirement	5400-7200RPM, 45 Mhz DMA, EID E Compatible			
Alarm				
Input	8 (NO/NC)	16 (NO/NC)	1-12 (NO/NC Programmable)	1-12 (NO/NC Programmable)
Output	4 Output	4 Output	3 Relays, 25 Pin D-Sub	3 Relays, 25 Pin D-Sub
Triggered Mode	2A 30VDC/ 120VAC			
Action	192(16x12) Detection Areas, Sensitivity (0~99)Flexible			
Other				
Working Mode	Simultaneously Multi-Channel Recording/Playback/Network Oprating/Surveillance Mode			
Network Interface	Rj45, 10/100M Based T Ethernet, TCP/IP, UDP, Multicast			
USB Interface	4* USB 2.0	4* USB 2.0	2* USB 2.0	2* USB 2.0
PTZ	Rs422, RS485	Rs422, RS485	RS422, Rj11	RS422, Rj11
Power Supply	AC100~240V 50/60Hz			
Expend (W/O HDD)	40W			
Dimensions (WxHxD)	450x100x440 mm (2U)	450x100x440 mm (2U)	440x100x520 mm (2U)	440x100x520 mm (2U)
Shipping Dimensions (WxHxD)	538x240x538 mm	538x240x538 mm	540x230x540 mm	540x230x540 mm
Operating Environment	5~90% OH, -10~55 degree			