

MAX16: 16-Ch Slim H.264E DVR with Audio/Video Recording Dual Stream

Max16 (480/480FPS)

- **OS:** Embedded Linux®
- **Microprocessor:** Motorola® BlackFin®
- **Compression Technology:** H.264E
- **System Resource:** Pentaplex Function.
- **Video Inputs:** 16 Chs. (16 Chs. Looping)
- **Display Rate:** 1 to 30fps / Ch.
- **Record Rate:** 1 to 30fps / Ch.
- **Display Resolution:** CIF/D1.
- **Rec. Resolution:** [(1st & 9th Ch D1/30fps),(2nd to 8th & 10th to 16th CIF/30fps)].
- **Playback Display:** 16 Chs.
- **Video Outputs:** 1 channel TV output BNC 1.0Vp-p, 75Ω, 1 VGA output, 1 HDMI output, 1 Matrix. (all available the same time)
- **Audio Inputs:** 4 Chs.
- **Audio Outputs:** 2 Chs. (one bidirectional)
- **Audio Compression:** G.711
- **Motion Detection:** 396 (22*18) zones, 6 Sensitivity levels
- **Alarm Inputs:** 16 Chs.
- **Alarm Outputs:** 5 Chs. Dry Contacts, 1 12V output.
- **Storage Capability:** 4 SATA Ports (4TB) without DVD/RW.
- **External Storage:** eSATA. (5TB) for backup only
- **Network Connection:** RJ45 10M/100M Ethernet.
- **Dual Stream:** flexible for network transmission and mobile phone monitoring.
- **Control Ports:** 1 RS232, 1 RS485, 2 USB2.
- **MSS:** (mobile surveillance software for smart phone) optional.
- **Built-in DVD/RW** (optional).



Web Browser Interface



PSS Software



OVERVIEW of MAX16

Pentaflex Slim 16 Channel H.264E DVR with Internet Access.

The MAX16 DVR uses H.264E (Enhanced H.264) compression technology based on the embedded high speed microprocessors and embedded LINUX operation system. This compression allows for clean viewing on the Internet over narrow bandwidth and dramatically increases storage space.

This digital video recorder contains advanced web access, system integration and synchronized audio and video recording features that are suitable for various types of home and professional installations: stores, warehouses, homes, government agencies, education facilities, etc.

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Max16

System			
Main Processor	High performance embedded microprocessor Motorola® BlackFin®		
Operating System	Embedded Linux®		
System Resources	Pentaplex function: live, recording, playback, backup & remote access		
User Interface	GUI, on-screen menu tips		
Control Device	Front panel, USB mouse, IC Realtime keyboard, IR remote control, network keyboard		
Input Method	Numeral/Character/Denotation		
System Status	HDD status, data stream statistics, log record, bios version, on-line user etc.		
Video			
Video Input	16 channel, BNC, 1.0Vp-p, 75ohm,looping		
Video Output	1 BNC, 1 Vp- p 75Ω, 1 VGA output, 1 HDMI output, 1 Matrix (All Available at the same time)		
Video Standards	PAL(625Line, 50f/s), NTSC(525Line, 60f/s)		
Video Compression	H.264		
Video Resolution	Format	NTSC	PAL
	D1(4CIF)	704 X 480	704 X 576
	CIF	352 X 240	352 X 288
Video Recording	CIF: PAL 1f/s~25f/s, NTSC 1f/s~30f/s		
	4CIF: PAL 1f/s-25f/s NTSC 1f/s-30f/s		
	[(1st & 9th Ch D1/30fps),(2nd to 8th & 10th to 16th Ch CIF/30fps)]. Or [(1st & 9th Ch D1/30fps),(2nd to 8th & 10th to 16th Ch CIF/7.5fps)]		
Video Recording	Dual encoding streams supported		
Video Display Split	Full and multiple screen display, 1 / 4 / 9 / 16		
Tour Display	Support		
Image Quality	1~6 level(level 6 is the best)		
Privacy Masking	4 self-defined four-sided zones for privacy masking for each camera		
Camera Lock	Camera locked for users		
Camera Adjustment	Adjust color according to different time period		
Video Information	Camera title, time, video loss, camera lock, motion detection, recording		
TV Output Adjustment	Adjust TV output color & display zone		
Audio			
Audio Input	4/4 channel, BNC, 200-2800mV, 30KΩ		
Bidirectional Talk Input	1 channel, BNC, 200-2800mV, 30KΩ		
Audio Output	1 channel, BNC, 200-3000mv, 5KΩ		
Audio Compression	G.711		
Video Detection & Alarm			
Motion Detection	Zones: 396 (22*18) detection zones		
	Sensitivity: 1~6 (level 6 is highest)		
	Trigger recording, PTZ movement, tour, alarm, email, matrix output		
Video Loss	Trigger recording, PTZ movement, tour, alarm, email, matrix output		
Camera Blank	Trigger recording, PTZ movement, tour, alarm, email, matrix output		
Alarm Input	8/16 channel, programmable, ground, manual open/closed		
	Trigger recording, PTZ movement, tour, alarm, email, matrix output		
Relay output	3/3 channel, 30VDC, 1A, NO/NC, form-C		

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Hard Disk	
Hard Disk	4 SATA ports, 4 HDDs supported. (Up to 4TB without DVD/RW) or (2 TB with DVD/RW)
Space Occupation	Audio: 14.4MB/H Video: 56 500MB/H
HDD Management	Hard disk hibernation technology, HDD faulty alarm & Raid(Redundancy)
External Storage	1 eSATA port (For Backup Only)
Record, Playback & Backup	
Recording Mode	Manual, continuous, 6 Schedule, video detection (including motion detection, camera blank, video loss), Alarm
Recording Priority	Manual >Alarm >Video Detection >Continuous
Recording Interval	1 to 120 minutes (default: 60 minutes), Pre-record up to 30 seconds, Post-record up to 5 minutes
Overwrite Mode	Support
Search Mode	Time/Date, Alarm, Motion Detection, Video Loss & exact search (accurate to second)
Playback	16 channel playback simultaneously, pause, stop, rewind, fast play, slow play, next file, previous file, next camera, previous camera, full screen, repeat, shuffle, backup selection
Digital Zoom	Selected zone can zoom into full screen during playback
Backup Mode	Flash disk/ USB HDD/ USB CD/DVD-RW/ Network download / eSATA (Built-in SATA burner Optional)
Network	
Interface	RJ-45 Port (10/100M)
Network Functions	TCP/IP, UDP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Email, Alarm Server
Remote operation	Monitor, PTZ control, playback, system setting, file download, log information
MSS (Mobile Smart Phones Monitoring)	Supported (Optional)
Auxiliary Interface	
USB Interface	2 ports, 1 for mouse control, 1 for backup
RS232	IC Realtime keyboard, PC communication
RS485	PTZ control

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