

MDR688

16CH H.264 Network DVR



FEATURES

H.264 Video Compression Technology

- ❖ Highly improves video quality for live, recording, and network
- ❖ Recording file size is minimized for longest recording time
- ❖ Lower bit rate required for fastest network transfer

Long Recording Time

- ❖ The recording time is greatly extended with the smart recording design that only the motion-triggered channel will be recorded, and the video loss channel won't be recorded

VGA Output

- ❖ Built-in VGA interface
- ❖ Output resolution up to 1600 x 1200

Multiplex Operation

- ❖ Allows users to operate live display / playback, recording, backup, and network simultaneously

Audio Recording

- ❖ Supports four audio inputs and two audio outputs

Quick Search

- ❖ Supports time search, event (motion-triggered recording) search and alarm search

Easy Backup

- ❖ Supports USB flash drive and network for easy backup

User-friendly OSD

- ❖ Graphical & multi-language OSD makes operation easier and more user-friendly

Remote Independent Operation

- ❖ Changing of live view on the remote side is independent from the local site

Central Management System

- ❖ Supports Central Management System function for remote surveillance to monitor up to 16 different IP addresses easily

Low Cost Network Setup

- ❖ Supports dynamic IP for users with limited budget

Easy and Free Upgrade

- ❖ Releases new firmware for free upgrade to advanced functions, and the upgrade can be completed via USB flash drive or network

Others

- ❖ Supports Frame / Field / CIF resolution for recording
- ❖ Supports SATA HDDs
- ❖ Supports Pelco-D & Pelco-P for speed dome control
- ❖ Supports day-light saving
- ❖ Supports covert recording
- ❖ Supports IR remote control
- ❖ Supports auto recovery after power failure
- ❖ Supports watch dog function after network disconnection

Specifications

Video System		NTSC / PAL (auto detection)
Video Compression Format		H.264
Video Input		16 Channels (Composite video signal 1 Vp-p 75Ω BNC)
Video Loop Output		16 Channels (Composite video signal 1 Vp-p 75Ω BNC)
Video Output (BNC)	Main Monitor	For stable display
	Call Monitor	For sequence display
Video Output (VGA)		Built-in VGA interface for LCD monitor (output resolution up to 1600 x 1200)
Audio Input		4 Channels (Mono)
Audio Output		2 Channel (Mono)
Multiplex Operating		Supports live display, recording, playback, backup, and network simultaneously
Maximum Recording Rate	FRAME	120 IPS @ 704×480 <NTSC> / 100 IPS @ 704×576 <PAL>
	FIELD	240 IPS @ 704×240 <NTSC> / 200 IPS @ 704×288 <PAL>
	CIF	480 IPS @ 360×240 <NTSC> / 400 IPS @ 360×288 <PAL>
Recording Mode		Manual / Timer / Motion / Alarm / Remote
Recording Quality Options		Super Best, Best, High & Normal
Pre-alarm Recording		YES (8 MB)
HDD Type		SATA
HDD Storage**		Up to two HDDs
HDD Quick Cleaning		Deletes HDD Data Efficiently (1TB within 2 seconds)
Quick Search		Time / Motion / Alarm search mode
USB Flash Drive Backup		YES
Network Transfer Format		H.264
Ethernet		10/100 Base-T
Network Protocol		TCP/IP, PPPOE, DHCP and DDNS (Dynamic IP)
Network Surveillance Interface		Licensed software "Video Viewer" / Internet Explorer or Mozilla Firefox web browser / QuickTime player
Remote Independent Operation		YES
Network Alarm Notification		E-mail and FTP server
CMS (Central Management System)		YES (Maximum: 16 different IP addresses)
Operating System for Network Function		Windows Vista / XP / 2000; Apple MAC
IR Remote Control		YES
Multilingual OSD		YES
Motion Detection Area		16 × 12 grids per channel

Motion Detection Sensitivity	Four adjustable parameters for accurate detection
PTZ Camera Control	YES (Pelco-D & Pelco-P)
External Alarm	16 inputs, 1 output
Picture Zoom	2X digital zoom
Key Lock (Password Protection)	YES
Video Loss Detection	YES
Camera Title	Up to 6 letters
Video Adjustable	Hue / Color / Contrast / Brightness
Date Display Format	YY/MM/DD, DD/MM/YY, MM/DD/YY
Daylight Saving	YES
Power Source ($\pm 10\%$)	DC 19V
Power Consumption ($\pm 10\%$)	< 64 W
Operating Temperature	10°C ~ 40°C (50°F~104°F)
Dimensions (mm)***	432(W) × 90(H) × 326(D)
System Recovery	System auto recovery after power failure
Optional Peripherals	Keyboard controller

*The specifications are subject to change without notice

** The DVR supports one HDD capacity up to 1TB, and HDDs are optional.

*** Dimensional tolerance: $\pm 5\text{mm}$

Rear Panel

