

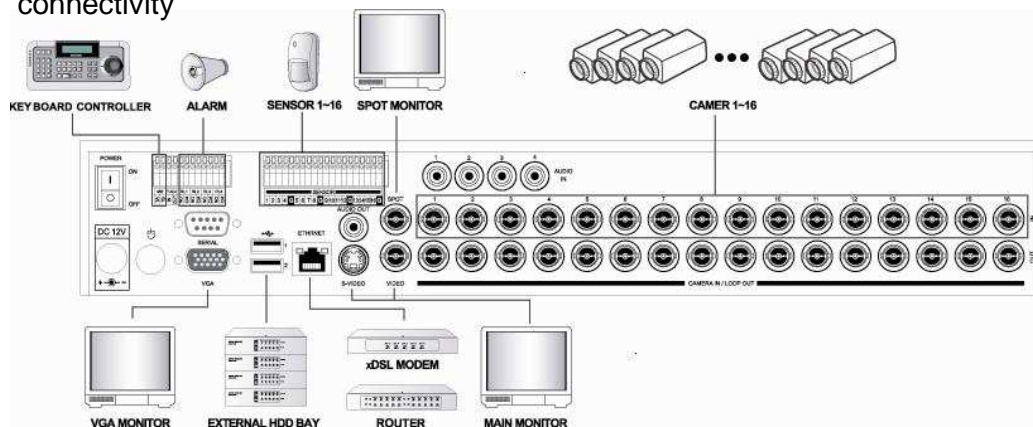


QPD-3000 Series

H.264 Standalone DVR (Expandable upto 44 HDDs)



- H.264 Stand-alone DVR series : 4Ch/8Ch/16CH
- Only DVR in the world with “**Dual Indexing File System**” to retrieve fast playback files
- Pentaplex: Record, Playback, Backup, Copy and Networking simultaneously
- Netork Viewer: 16units x 16Clients (16Clients can connect at the same time)
- User friendly Menu, Settings and Remote.
- Picture-In-Picture (PIP), Video magnifaction, Freeze function
- One-Touch instant Multi-screen playback (rev/fwd) of all channels from previous second
- 1Yr auto-adjusted recording, irrespective of HDD capacity
- Built-in File viewer on copy media with Password
- Search: Calender, time, Event, Block, File, Bookmark, text and Log file
- 4 Channel audio Input
- POS support with easy Text Searching, Digital watermark, Data recovery
- Mirroring Backup (Built-in data redundancy) and event backup
- Accommodates 4HDDs inside DVR (4x1TB)
- HDD Expansion Bay : Expand to 40 HDDs max(40TB),
- CMS (Central Management software) 64Ch display/screen and ∞ DVR connectivity



Specifications

QPD - 3016H / 3008H / 3004H

VIDEO

Video Input	16CH/ 8CH/ 4CH (BNC)	
Input Level	1.0Vp-p±10% Composite, 75Ω Balanced	
Loop Through Output	16CH/ 8CH/ 4CH (BNC)	
Video Standard	NTSC, PAL, AUTO	
Main TV Output	1.0 Vp-p Composite, 75 Ω Balanced	
Analog Spot Monitor Output	1.0 Vp-p Composite, 75 Ω Balanced	
Camera Name	Max. 8 Characters	
Main Monitor Split Control	1,4,6,7,9,10,13,16 Screen	
Screen Rotate Control	1~60 Seconds	
Display	Resolution	NTSC PAL
	Speed	NTSC PAL
	Function	

AUDIO

Compression	ADPCM
Audio Input (Line)	4CH/ 4CH/ 4CH (RCA)
Input Level	0.5~1.4Vp-p@20KΩ
Audio Output (Line)	1CH(RCA)

RECORDING

Compression	H.264	
Resolution	NTSC	720(H) x 480(V) 720(H) x 240(V) 360(H) x 240(V)
	PAL	720(H) x 576(V) 720(H) x 288(V) 360(H) x 288(V)
Speed	NTSC	360 x 240 720 x 240 720 x 480
	PAL	360 x 288 720 x 288 720 x 576
Duplex or Triplex	Pentaplex	
Each CH	Frame Setting	Available
	Event, Normal	Available
	Speed	Available
	Resolution	Available
	Quality	4 level(Low,Normal,Fine,Superfine)

Setup per Channel	Individual
Record Limit	Automatic data delete for privacy
Data Size	1~3KB(CIF), 3~7KB(D1/2), 6~15KB(D1)
Recording Mode	Normal(Continuous), Event(Motion detection, Sensor, Video loss), Schedule, Holiday
Pre-Alarm	Max. 5 Seconds
Watermark	Support
Schedule	24 groups per day by an hour;Holidays are same as Sunday
Summer Time	Support
HDD	Internal Storage
	Speed
	DMA
	Type
	External Storage
	HDD Bay Interface

SEARCHING & PLAYBACK

Searching Method	Time, Calendar, Event, (Copied)File,Text, Block
Playback & Reverse Playback	1, 2, 4, 16, 32, 64, 128 velocity 1/2, 1/4, 1/16, 1/32, 1/64, 1/128

COPY DEVICE

Internal CD/DVD =RW	Internal CD/DVD RW(SATA)
Media Support	CD R / CD RW / DVD±RW / DVD RAM
USB 2.0	USB memory stick, External USB HDD/CDRW/DVD RW
Copied File Compatibility with PC (Windows)	Compatible

BACKUP

Digital Backup	Internal HDD, External HDD Bay
Backup Method	Mirroring, Event

ALARM

Sensor Input	16CH/ 8CH/ 4CH(Terminal)
Alarm Output	4 Relay out (Programmable,NO: Normal Open), Terminal
Motion Detection	Available For Each Camera Multi-Detection Level

MULTI-REMOTE SURVEILLANCE

Monitoring Environment	Client Software, Central Monitoring System, Web browser
Transmission Rate	Max. 120fps(CIF) Full Motion Transmission(16 Clients accessible) Supporting Multi-Client(16 Clients accessible)

Search

SYSTEM MONITORING & RECOVERY

System Logging	Power Failure Checkable/Menu Change/Network connect
Monitoring	Software Watchdog
Recovery	Auto-Reboot By Watchdog Automatic Database Recovery

CONNECTOR

Video Input	16CH/ 8CH/ 4CH (BNC)
Loop Through Output	16CH/ 8CH/ 4CH (BNC)
Main Monitor Output	Composite VGA Output S-Video
Spot Monitor Output	BNC 1 Port
Audio Input (Mono)	4CH Line Input (RCA)
Audio Output (Mono)	1 CH Line Output (RCA)
HDD Bay Connection	USB 2.0 Connector
External Control (RS - 232C)	Serial (9 pins Male DSUB)
Firmware upgrade	USB 2.0 Port, Network
External Control (RS - 485)	2 Pins Terminal Block
Sensor Input	16/ 8/ 4CH Terminal Block (Include Ground Common 4Pins)
Alarm Output	4 Relay Output 2 pins Terminal Block (NO, Common) x 4=8P(Total) 2 pins Terminal Block, Half Duplex
PTZ(RS-485)	RJ-45, 10/100Mbps
Ethernet	Front 1 port, Internal 1 port for CD RW, Rear 2 ports
USB 2.0	

ELECTRICAL

Power Source	DC 12V, 10A
Power Consumption	Approx. 60 Watt (Including 1 HDD)

ENVIRONMENTAL

Operating Temp.	0°C ~ +40°C
Storage Temp.	-10°C ~ +60°C
Humidity	30~90%RH (Non-Condensing)

PHYSICAL

Construction Shape	Steel Case
Construction Material	Steel Case
Body Color	Black with Transparent White Gray Silicon Rubber Key
Dimension	430(W) x 380(D) x 68(H) mm 430(W) x 390(D) x 68(H) mm
Weight	Approx. 4.5kg

OTHERS

OS	Embedded Linux
Menu Type	Graphic+ Text
Language(13kinds)	English,Korean,Japanese,Polish ,Spanish,Russian,Chinese, Taiwanese,French,Turkish,German,Italian,Portuguese
ATM Interface	Diebold ATM Support
POS Interface	AVE POS Support
Control Device	Front key, Remote controller, Mouse(PS/2),External Keyboard
PTZ	Over 16 protocol
Number of Event list / Log list	10,000 / 10,000 per HDD

*Specifications are subject to change without notice

SYSTEM DIAGRAM

