



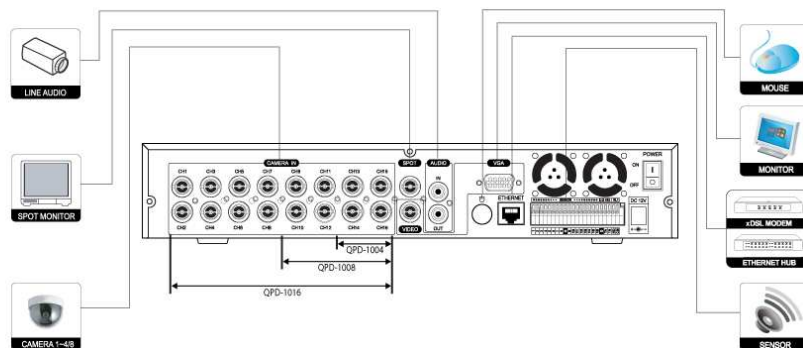
QPD-1000 Series

H.264 Standalone DVR



- H.264 Stand-alone DVR series : 4Ch/8Ch/16CH
- Only DVR in the world with “**Dual Indexing File System**” to retrieve fast playback files
- Quadraplex: Record, Playback, 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
- Accommodates 2 SATA HDD (max.)
- Built-in File viewer on copy media with Password
- Search: Calender, time, Event, Block, File, Bookmark, text and Log file
- 1Channel audio Input
- CMS (Central Management software) 64Ch display/screen and ∞ DVR connectivity

SYSTEM DIAGRAM



Specifications

QPD-1004/1008/1016

VIDEO		QPD-1004/1008/1016
Video Input	16CH/ 8CH/ 4CH (BNC)	
Input Level	1.0Vp-p±10% Composite, 75Ω Balanced	
Loop Through Output	Not supported	
Video Standard	NTSC, PAL, AUTO	
Main Monitor Output	1.0 Vp-p Composite, 75 Ohm Balanced	
Analog Spot Monitor Output	1.0 Vp-p Composite, 75 Ohm Balanced	
Camera ID	Max. 8 Characters	
Main Monitor Split Control	1, 4, 6, 7, 9, 16 / 1, 4, 6, 7, 9 / 1, 4 Screen	
Dwelltime control	1~60 Seconds	
Display	Resolution	NTSC 720(H) x 480(V) PAL 720(H) x 576(V)
	Speed	NTSC 480 frames/240 fps/120 fps(Every CH Real Time) PAL 400frames/200 fps/100 fps (Every CH Real Time)
	Function	Auto sequence 1, 4, 6, 7, 9, 16 Split, PIP
AUDIO		
Compression	ADPCM	
Audio Input (Line)	1CH (RCA)	
Input Level	0.5~1.4Vp-p@20 KOhm	
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) 720(H) x 576(V) 720(H) x 288(V) 360(H) x 288(V)
	PAL	
Speed	NTSC	360 x 240 Max. 240/ 240/ 120 fps(CIF) 720 x 240 Max. 120/ 120/ 120 fps (Half D1)
		720 x 480 Max. 60/ 60/ 60 fps(D1)
	PAL	360 x 240 Max. 200/ 200/ 100 fps (CIF) 720 x 288 Max. 100/ 100/ 100 fps (Half D1)
		720 x 576 Max. 50/ 50/ 50 fps (D1)
Duplex or Triplex		Quadplex
Each CH	Frame Setting	Available
	Event Normal	Available
	Speed	Available
	Resolution	Available
Quality	4 optional Levels (Low,Normal,Fine,Superfine)	
Setup per Channel		Individual
Record Limit	Automatic data delete	
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	2 HDDs (1TB x 2)
	Speed	7,200RPM
	DMA	45MHz DMA
	Type	SATA compatible
	External Storage	Not supported
	HDD Bay Interface	Not supported
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	
BACKUP DEVICE		
Internal CD/DVD ±RW	Not supported	
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	Not supported	
Backup Method	Not supported	
ALARM		
Sensor Input	16CH/ 8CH/ 4CH(Terminal)	
Alarm Output	1 Relay out (Programmable,NO: Normal Open), Terminal Available For Each Camera Multi-Detection Level	
Motion Detection		
MULTI-REMOTE SURVEILLANCE		
Monitoring Environment	Client Software, Central Monitoring System, Web browser	
Transmission Rate	Max 120fps Transmission(16 Clients accessible)	
Search	Supporting Multi-Client(16 Clients accessible)	
SYSTEM MONITORING & RECOVERY		
System Logging	Power Failure Checkable/Menu Change/Network connection	
Monitoring	Software Watchdog	
Recovery	Auto-Reboot By Watchdog Automatic Database Recovery	
CONNECTOR		
Video Input	16CH/ 8CH/ 4CH (BNC)	
Loop Through Output	Not supported	
Main Monitor Output	Composite	BNC 1Port (Rear)
	VGA Output	Selectable C-video or VGA(VESA)
	S-Video	Not supported
Spot Monitor Output	BNC 1 Port	
Audio Input (Mono)	1 CH Line Input (RCA)	
Audio Output (Mono)	1 CH Line Output (RCA)	
HDD Bay Connection	Not supported	
External Control (RS - 232C)	Not supported	
Firmware upgrade	USB 2.0 Port, Network	
External Control (RS - 485)	2 Pins Terminal Block	
Sensor Input	16CH/ 8CH/ 4CH Terminal Block (Include Ground Common 4Pins)	
Alarm Output	1 Relay Output 2 Pins Terminal Block (NO, Common) x 1= 2 pins(Total)	
PTZ(RS-485)	2 pins Terminal Block, Half Duplex	
Ethernet	RJ-45, 10/100Mbps	
USB 2.0	Front 1 port	
ELECTRICAL		
Power Source	DC 12V, 5A	
Power Consumption	Approx. 50 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	Consumer style	
Construction Material	Plastics Front Steel Case	
Body Color	Silver & Dark Purple with Plastics key	
Dimension	340(W) x 248(D) x 60(H) mm	
Weight	Approx. 2kg	
OTHERS		
OS	Embedded Linux	
Language(13 kinds)	English,Korean,Japanese,Polish , Spanish,Russian,Chinese, Taiwanese,French,Turkish,German,Italian,Portuguese	
Control Device	Front key, Remote controller, Mouse(PS/2),External Keyboard	
PTZ	Over16 Protocols	
Number of Event list / Log list	10,000 / 10,000 per HDD	

*Specifications are subject to change without any notice

SYSTEM DIAGRAM

