

# EL4000S SERIES

## STANDALONE DIGITAL VIDEO RECORDER

**CQR**  
PROFESSIONAL DVR

**H.264**  
D1 recording  
HDMI



### Models

CQR-EL4040S	: 4 Ch Video/Audio
CQR-EL4080S	: 8 Ch Video/Audio
CQR-EL4061S	16 Ch Video/Audio

### Functions and Features : .....

- New standard for entry level DVR with high performance and reliability
- H.264 video compression algorithm ideal for standalone DVR
- Realtime live display up to 16 cameras with 720P HD
- 400/480FPS recording for CIF and special channel D1 realtime recording
- Dual encoding streams support, flexible for network transmission and mobile phone monitoring
- Pentaplex operation : live, recording, playback, backup and remote access
- 4 channel simultaneous playback
- Multiple control operation : Front panel, IR remote control, CQR keyboard, mouse & network keyboard
- Smart video detection with motion, camera blank, video loss
- Smart setting : privacy
- Powerful network software with built-in web server, multi-dvr client, (MSS) mobile surveillance software for smart phone
- Network access for remote live viewing, recording, playback, setting, system status, event log, masking, camera lock, color setting and title display

COMMITMENT

QUALITY

RELIABILITY

## System

- Main Processor High performance embedded processor
- Operating System Embedded LINUX
- System Resources Pentaplex : Live, recording, playback, backup & remote access
- User Interface GUI, on-screen menu tips, front panel, USB mouse, CQR keyboard, IR remote control, network keyboard
- System Status HDD status, data stream statistics, log record, bios version, on-line user etc.

## Video

- Video Input 4/8/16 channel, 1.0Vp-p, 75Ω
- Video Output 1 channel TV output, BNC, 1.0Vp-p 75Ω, 1 VGA, 1 HDMI
- Video Standard PAL (625 lines, 50fps), NTSC (525lines 60fps)
- Video Compression H.264
- Video Resolution
 

Format	NTSC	PAL
D1(4CIF)	704 x 480	704 x 576
CIF	352 x 240	352 x 288
QCIF	176 x 120	176 x 144
- Video Recording CIF/QCIF : PAL 1~25fps, NTSC 1~30fps  
4CIF : PAL 1~25fps, NTSC 1~30fps :  
CQR-EL4040S - 1st channel  
CQR-EL4080S - 1st channel  
CQR-EL4061S - 1st and 9th channel  
Dual encoding streams supported
- Video Display Split Full and multiple screen display. 1/4/9/16
- Tour Display Support
- Image Quality 1 ~ 6 levels (6 is the best)
- Privacy Masking 4 self-defined four-sided zones 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 and display zone

## Storage

- Hard Disk 1 SATA port, 1 HDD supported (2TB max)
- Space Occupation Audio : 14.4MB/hr, Video : 56 ~ 500MB/hr
- HDD Management Hard disk hibernation technology, HDD faulty alarm

## Video Detection & Alarm

- Motion Detection 396 detection zones detection (22 x 18 zones) Sensitivity level 1 ~ 6 (6 highest)  
Trigger recording, PTZ movement, tour, alarm, email
  - Video Loss Trigger recording, PTZ movement, tour, alarm, email
  - Camera Blank Trigger recording, PTZ movement, tour, alarm, email
  - Alarm Input 4/8/16 channel, programmable, ground, manual open/closed, trigger recording, PTZ movement, tour, alarm, email
  - Relay Output 3/3/3 channel, 30VDC, 1A, NO/NC, form-C
- ### Audio
- Audio input 4 channel BNC 200-280mV, 30KΩ
  - Bidirectional Talk Input 1 channel BNC 200-280mV 30KΩ
  - Audio Output 1 channel BNC 200-300mV 5KΩ
  - Audio Compression G.711

## 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 editing, file download, log information

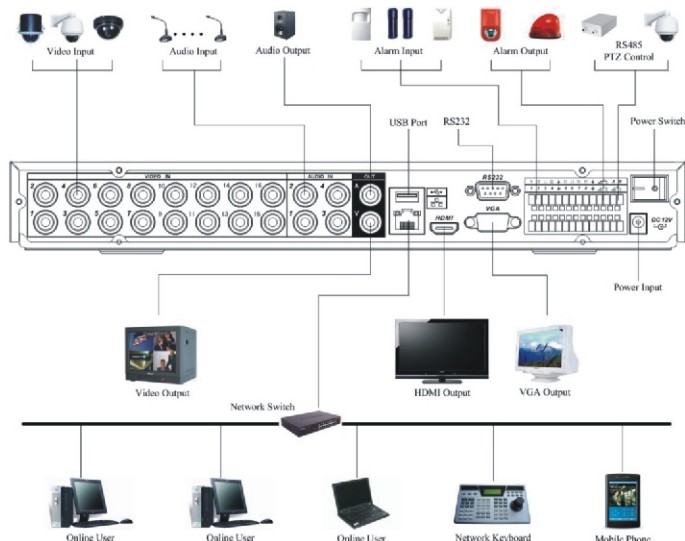
## Auxiliary Interface

- USB Interface 2 ports, 1 for mouse control, 1 for backup
- RS232 CQR keyboard, PC communication
- RS485 PTZ control

## General

- Power Supply 220V 50Hz / 110V 60Hz
- Power Consumption 25W
- Working Temperature -10oC ~ +55oC
- Working Humidity 10% ~ 90%
- Atmosphere Pres. 86kpa ~ 106 kpa
- Dimension 1U, 375mm x 285mm x 45mm (WxDxH)
- Weight 2.35kg (without HDD)
- Mounting Desktop or rack

## Rear Panel Connection



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