



QT- 560 DVR



- **H.264 Video Compression**



- **Pentaplex**



- **HDMI video out**



- **Real time live preview**



- **SoftQ Professional compatible**

General

Quaddrix is proud to introduce you the new **QT-560 DVR**, the perfect choice for medium and small solutions where you need high quality with low price in a great performance stand alone DVR.

Functions

H.264 Video compression:

As the most efficient video compression standard currently available, H.264 offers the best quality video, while dramatically minimizing the burden of your network bandwidth and storage space for all video files.

By incorporating H.264 encoder technology, we reduce the size of a digital video file by more than 80% compared with the Motion JPEG format and as much as 50% more than with the MPEG-4.

Pentaplex function: It allows the following functions to be performed at the same time: live display, record, playback, backup and network operation (remote access).

HDMI video out: High Definition Multimedia Interface compatible with high definition monitors, to offer superior digital video and audio quality through user-friendly connector, which avoids the maze of cabling on installations.

Models available: 4, 8, and 16 channel.

Real Time Recording: 400/480 fps recording for CIF and special channel DI (4CIF) real time recording

Real time live preview: Able to display up to 16 channels (depending on the model) in real time with 720P high definition.

softQ Basic software included: allows you to preview, manage and record network video from our openQ IP line of cameras. Up to 250 devices

Full PTZ control: Able to control PTZ devices through RS485 serial bus.

Smart video detection and camera settings: Motion detection, camera masking and video loss detection in all channels.

E-Mail function with attached snapshots: Now you can send E-Mail messages triggered by any event with attached pictures. This function strengthens the remote characteristics and benefits of this system.

pocketQ application: Allows iPhone users with this remote access application to monitor anywhere at anytime from their mobile devices.

Multiple channel playback: Able to make playback on 1/2/4/16 channels simultaneously.

Compatibility with SoftQ Professional: This is our powerful video management software (VMS solution), designed for high end surveillance systems which when teamed with our smartQ video analytics application will also deliver improved performance of your security system.

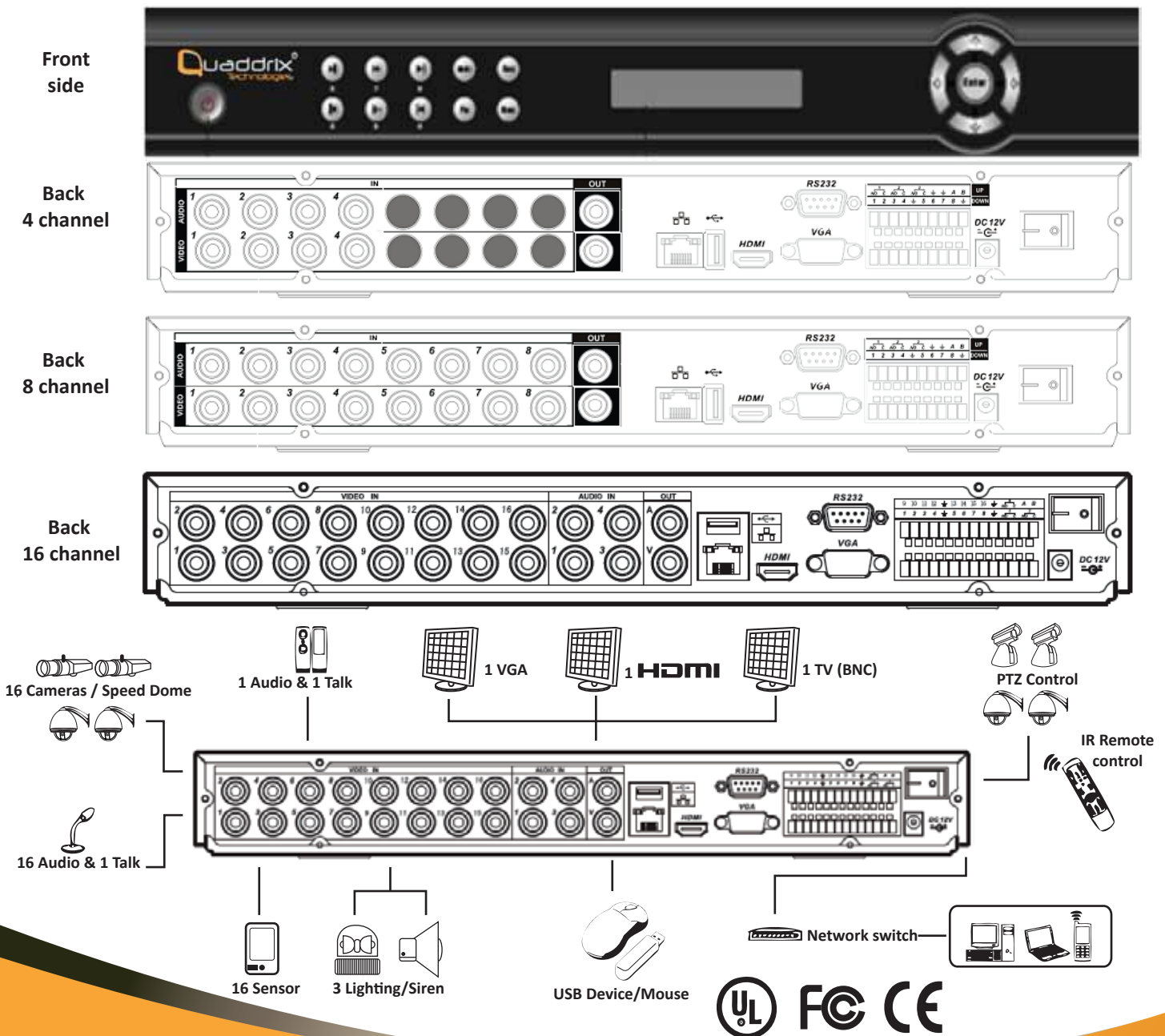
Parts included

- Utilities CD ROM
- Printed manual
- Accessories box with: USB mouse, network cable, IR remote control, HDD mount screws and SATA Cable

Product variations; DVR models table.

QT-560-04N-S	4ch video ,4ch audio In, 1ch audio out, HDMI, 1 SATA HDD, CIF@30Fps in all channels
QT-560-08N-S	8ch video ,8ch audio In,1ch audio out, HDMI, 1 SATA HDD, CIF@30Fps in all channels
QT-560-16N-S	16ch video, 4ch audio In, 1ch audio out, HDMI, 1 SATA HDD, CIF@30Fps in all channels

Technical Drawing



Technical specifications:

COMPRESSION AND SYSTEM PERFORMANCE

Video compression:	H.264
Stream type:	video, Video & audio stream
Dual Stream:	Yes
System resources:	Pentaplex (live, recording, playback, backup & remote access)
Operative system:	Embedded Linux Based O.S.
User Interface:	GUI, with on-screen menu tips
Control modes:	Front panel, USB mouse, Quaddrix Multi KB controller, IR remote control, remote from web, SoftQ Professional & Basic software
System status:	HDD status, data stream statistics, log record, bios version, on-line user
Motion Detection:	Yes, Zones: 396 (22*18) detection zones.
Sensitivity:	1~6 (level 6 is highest) Trigger recording, PTZ movement, tour, alarm, email, matrix output.
Video Loss:	Yes, Trigger recording, PTZ movement, tour, alarm, email, matrix output
Camera Masking:	Yes, Trigger recording, PTZ movement, tour, alarm, email, matrix output

Network

Network protocols:	TCP/IP, UDP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP
Board band transmission:	Yes
Narrow band transmission:	Yes
Remote PTZ control:	Yes
Remote operation:	Monitor, PTZ control, playback, system setting, file download, log information, and complete system management.
Dual streaming:	Yes

STORAGE FUNCTIONS

HDD:	1 SATA ports, 1 HDD supported (up to 2TB each)
HDD management:	Hard disk hibernation technology, HDD faulty alarm.
Space Occupation:	Audio: 14.4MB/h Video: 56~500MB/h
Recording modes:	Manual, continuous, video detection (including motion detection, camera blank, video loss), Alarm
Other:	Supports cyclic and non-cyclic mode; Support Network Attached Storage (NAS) and FTP video upload; Support USB Flash Disk, USB Hard Disk, USB CD-RW for backup.

Technical specification

	QT-560-04N-S	QT-560-08N-S	QT-560-16N-S																																				
Video standard	PAL(625Line, 50f/s), NTSC(525Line, 60f/s)	PAL(625Line, 50f/s), NTSC(525Line, 60f/s)	PAL(625Line, 50f/s), NTSC(525Line, 60f/s)																																				
Video input	4 Channels BNC (BNC, 1.0Vp-p, 75Ω)	8 Channels BNC (BNC, 1.0Vp-p, 75Ω)	8 Channels BNC (BNC, 1.0Vp-p, 75Ω)																																				
Video output	1 channel TV output, BNC, 1.0Vp- p, 75Ω, 1 VGA output, 1 HDMI output	1 channel TV output, BNC, 1.0Vp- p, 75Ω, 1 VGA output, 1 HDMI output	1 channel TV output, BNC, 1.0Vp- p, 75Ω, 1 VGA output, 1 HDMI output																																				
Looping out	No	No	No																																				
Matrix out	No	No	No																																				
Video resolutions	<table border="1"> <thead> <tr> <th>Format</th> <th>NTSC</th> <th>PAL</th> </tr> </thead> <tbody> <tr> <td>D1</td> <td>704x480</td> <td>704x576</td> </tr> <tr> <td>CIF</td> <td>352x240</td> <td>352x288</td> </tr> <tr> <td>QCIF</td> <td>176x120</td> <td>176x144</td> </tr> </tbody> </table>	Format	NTSC	PAL	D1	704x480	704x576	CIF	352x240	352x288	QCIF	176x120	176x144	<table border="1"> <thead> <tr> <th>Format</th> <th>NTSC</th> <th>PAL</th> </tr> </thead> <tbody> <tr> <td>D1</td> <td>704x480</td> <td>704x576</td> </tr> <tr> <td>CIF</td> <td>352x240</td> <td>352x288</td> </tr> <tr> <td>QCIF</td> <td>176x120</td> <td>176x144</td> </tr> </tbody> </table>	Format	NTSC	PAL	D1	704x480	704x576	CIF	352x240	352x288	QCIF	176x120	176x144	<table border="1"> <thead> <tr> <th>Format</th> <th>NTSC</th> <th>PAL</th> </tr> </thead> <tbody> <tr> <td>D1</td> <td>704x480</td> <td>704x576</td> </tr> <tr> <td>CIF</td> <td>352x240</td> <td>352x288</td> </tr> <tr> <td>QCIF</td> <td>176x120</td> <td>176x144</td> </tr> </tbody> </table>	Format	NTSC	PAL	D1	704x480	704x576	CIF	352x240	352x288	QCIF	176x120	176x144
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Video recording	Main Stream: Channel 1: D1, CIF, QCIF (1~25/30Fps) real time Channels 2~4: CIF, QCIF (1~25/30Fps) real time D1 (1~7Fps)	Main Stream: Channel 1: D1, CIF, QCIF (1~25/30Fps) real time Channels 2~8: CIF, QCIF (1~25/30Fps) real time D1 (1~7Fps)	Main Stream: Channel 1 and 9: D1, CIF, QCIF (1~25/30Fps) real time remaining Channels: CIF, QCIF (1~25/30Fps) real time D1 (1~7Fps)																																				
Video Display Split	Full and multiple screen display, 1 / 4 / 9 / 16	Full and multiple screen display, 1 / 4 / 9 / 16	Full and multiple screen display, 1 / 4 / 9 / 16																																				
Display resolution	1280×1024, 1280×720, 1024×768, 800×600	1280×1024, 1280×720, 1024×768, 800×600	1280×1024, 1280×720, 1024×768, 800×600																																				
Image Quality	Supported 1~6 level(level 6 is the best)	Supported 1~6 level(level 6 is the best)	Supported 1~6 level(level 6 is the best)																																				
Camera Lock	Yes, Camera locked for users	Yes, Camera locked for users	Yes, Camera locked for users																																				
Camera Adjustment	Adjust color according to different time period	Adjust color according to different time period	Adjust color according to different time period																																				
Video Information	Camera title, time, video loss, camera lock, motion detection, recording	Camera title, time, video loss, camera lock, motion detection, recording	Camera title, time, video loss, camera lock, motion detection, recording																																				
TV Output Adjustment	Adjust TV output color & display zone	Adjust TV output color & display zone	Adjust TV output color & display zone																																				
Audio Inputs	4 Channels BNC, 200-2800mV, 30KΩ Channel 1 for bidirectional-talk input synchronously	8 Channels BNC, 200-2800mV, 30KΩ Channel 1 for bidirectional-talk input synchronously	4 Channels BNC, 200-2800mV, 30KΩ Channel 1 for bidirectional-talk input synchronously																																				
Audio Output	1 channel, BNC, 200-3000mv, 5KΩ																																						
Audio Compression	G.711																																						
HDD Interfaces	1 SATA ports, 1 HDD supported.																																						
Recording Priority	Manual >Alarm >Video Detection >Continuous																																						
Search Mode	Time/Date, Alarm, Motion Detection & 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																																						
USB Interface	Yes 1 port, for mouse control and/or video backup																																						
eSATA	No																																						
RS232	Yes, For Quaddrix multi KB keyboard, PC communication																																						
RS485	Yes, for PTZ control																																						
Power Supply	In 100~240 VAC, out 12VDC 3Amps																																						
Power consumption	25W																																						
Working Temperature	-10°C~+55°C																																						
Working Humidity	10%~90%																																						
Atmosphere Pressure	86kpa~106kpa																																						
Dimension	1 U, 375mmx285mmx45mm (W*D*H)																																						
Weight	2.35KG(without HDD)																																						
Mounting	Desktop																																						