



General

Quaddrix is proud to introduce you the Improved QT-600 DVR series, the perfect choice for solutions where you need high performance in a powerful 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: Powerful Pentaplex performance: live video, recording, playback, backup and remote access; all these tasks could be performed simultaneously

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) realtime recording.

QT- 600 DVR



• **H.264 Video Compression**



• **Pentaplex**



• **HDMI video out**



• **Real time live preview**



• **SoftQ Professional compatible**

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

New powerful Client software: New softQ Basic software included for network video preview, manage and recording

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.

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

eSATA Out: External SATA connection for backup.

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

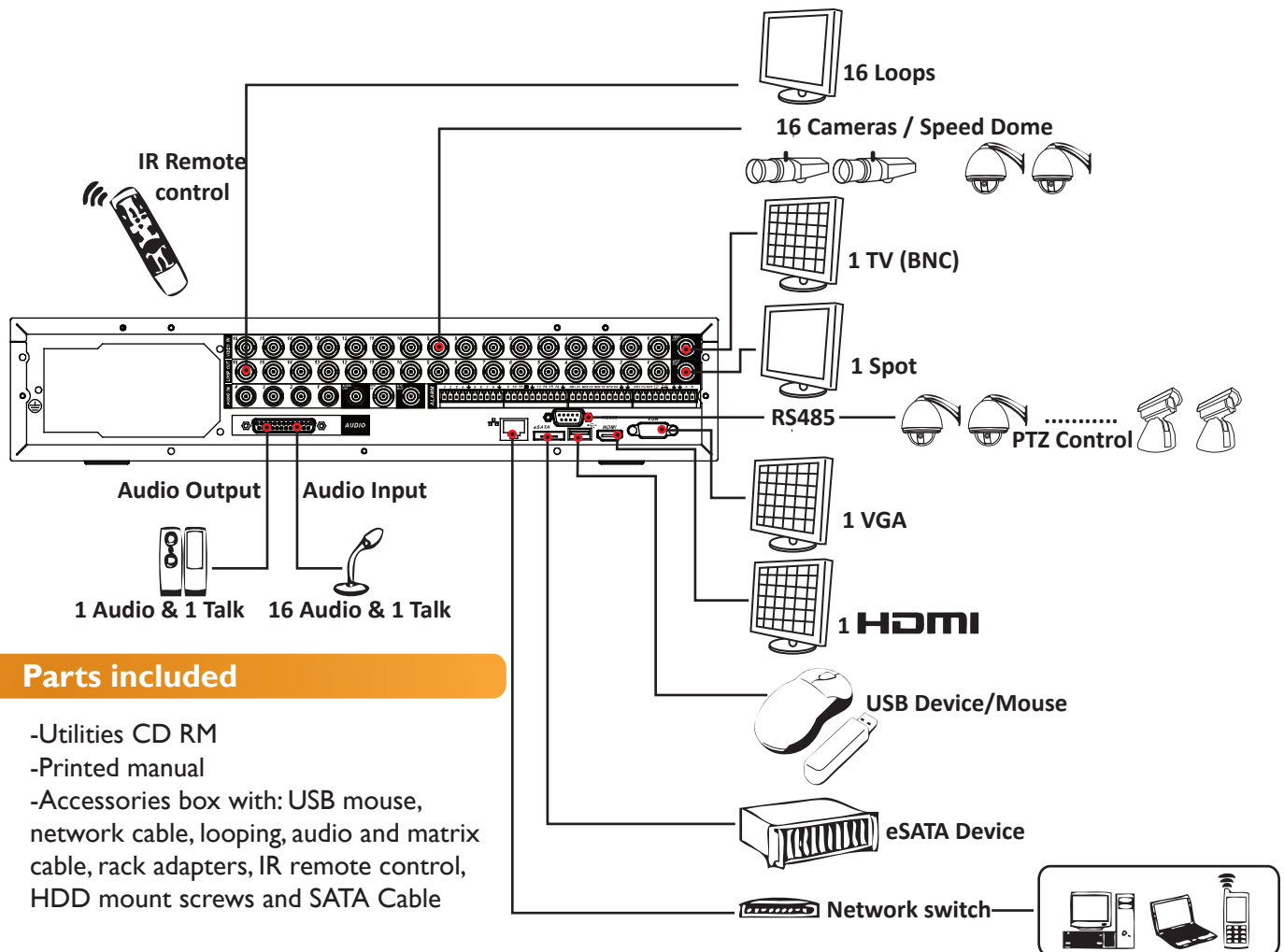
Up to 16 audio input channels: 1 audio input per video channel providing a maximum of 16 audio inputs (depending on the DVR model).

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.

Product variations; DVR models table.

QT-600-04N-S	4ch video in, 4ch audio In, 1ch audio out + 1 bidirectional audio channel, 4Ch looping out, 1ch matrix out HDMI, eSATA, 4 SATA HDD (without CD-RW/DVD-RW), CIF@30Fps in all channels D1@30Fps in channel 1 only
QT-600-08N-S	8ch video in, 8ch audio In, 1ch audio out + 1 bidirectional audio channel, 8Ch looping out, 1ch matrix out HDMI, eSATA, 4 SATA HDD (without CD-RW/DVD-RW), CIF@30Fps in all channels D1@30Fps in channel 1 only
QT-600-16N-S	16ch video in, 16ch audio In, 1ch audio out + 1 bidirectional audio channel, 16Ch looping out, 1ch matrix out HDMI, eSATA, 4 SATA HDD (without CD-RW/DVD-RW), CIF@30Fps in all channels D1@30Fps in channel 1 & 9 only

Technical Drawing



Parts included

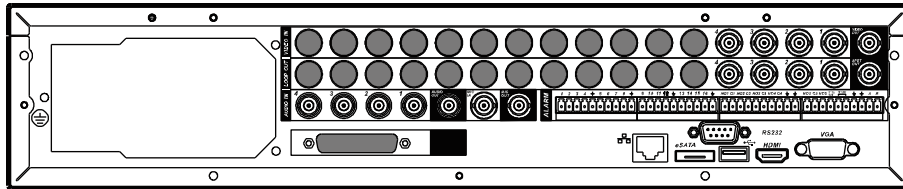
- Utilities CD RM
- Printed manual
- Accessories box with: USB mouse, network cable, looping, audio and matrix cable, rack adapters, IR remote control, HDD mount screws and SATA Cable



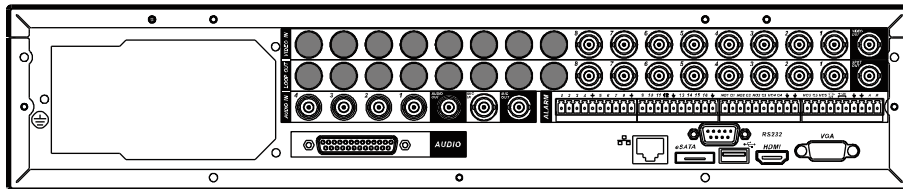
Front side



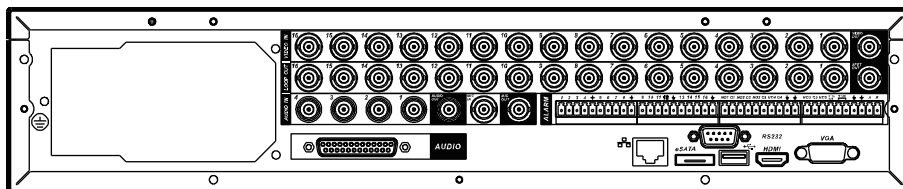
Back 4 channel



Back 8 channel



Back 16 channel



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

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.

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

Technical specification

	QT-600-04N-S	QT-600-08N-S	QT-600-16N-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)	16 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	16 Channels	16 Channels																																				
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																																				
Tour Display	Supported	Supported	Supported																																				
Image Quality	1~6 level(level 6 is the best)	1~6 level(level 6 is the best)	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 1 channel Input, BNC 200-2800mV, 30KΩ for bidirectional talk	8 Channels BNC, 200-2800mV, 30KΩ 1 channel Input, BNC 200-2800mV, 30KΩ for bidirec- tional talk	16 Channels BNC, 200-2800mV, 30KΩ 1 channel Input, BNC 200-2800mV, 30KΩ for bidirec- tional talk																																				
Audio Output	1 channel BNC, 200-3000mv, 5KΩ 1 channel Output, BNC(200-3000mV, 5KΩ) for bidirectional talk audio																																						
Audio Compression	G.711																																						
HDD Interfaces	4 SATA ports, 4 HDDs supported, or 3 HDD with CD/DVD-RW, plus 1 eSATA																																						
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 2 ports, 1 for mouse control, 1 for backup																																						
eSATA	Yes 1 port for backup																																						
RS232	Yes, For Quaddrix multi KB keyboard, PC communication																																						
RS485	Yes, for PTZ control																																						
Power Supply	220V 50Hz / 110V 60Hz																																						
Power consumption	25W	30W	40W																																				
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																																						