



## QVP-85B

OS	QVR Pro OS (QVP)
CPU	Intel® Core™ i5 6-core/12-thread Processor
CPU Architecture	64-bit x86
Graphic Processors	Intel® UHD Graphics 730
Hardware-accelerated Transcoding	Yes
System Memory	32 GB SODIMM DDR4 (2 x 16 GB)
Maximum Memory	64 GB ( 2 x 32 GB)
Memory Slot	2 x SO-DIMM DDR4
Flash Memory	5GB (Dual boot OS protection)
Max Live Cameras (Local Display)	56ch @ All 720p,H.264, 30FPS 34ch @ All 1080p,H.264, 30FPS
Max Playback Cameras (Local Display)	16
Max Concurrent Connection (Client)	16 (4 live cameras / per remote client) *The number of client concurrent connection varies by live cameras
Embedded Channel	8
Max Channel	64
Max Throughput	1686 Mbps
Drive Bay	8 x 3.5-inch SATA 6Gb/s, 3Gb/s
Drive Compatibility	3.5-inch bays: 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives
Hot-swappable	Yes
M.2 SSD Slot	2 x M.2 2280 PCIe Gen4 x4 slots
2.5 Gigabit Ethernet Port	2

PCIe Slot	2 Slot 1: PCIe Gen 4 x16 Slot 2: PCIe Gen 4 x4
USB 3.2 Gen 2 (10Gbps) Port	1 x Type-C USB 3.2 Gen 2 10Gbps 2 x Type-A USB 3.2 Gen 2 10Gbps
HDMI Output	1, HDMI 1.4b (up to 4096 x 2160 @ 30Hz)
Form Factor	Tower
LED Indicators	HDD 1-8, Status, LAN, USB port, M.2 port
LCD Display/ Button	Yes
Buttons	Power, Reset, USB Copy
Dimensions (HxWxD)	188.2 × 329.3 × 280.8 mm
Weight (Net)	7.3 kg
Operating temperature	0 - 40 °C (32°F - 104°F)
Relative Humidity	5-95% RH non-condensing, wet bulb: 27°C (80.6°F)
Power Supply Unit	250W, 100-240V
Power Consumption: HDD Sleep Mode	43.131 W
Power Consumption: Operating Mode, Typical	85.701 W
Fan	System fan: 2 x 120mm, 12VDC CPU fan: 1 x 60mm, 12VDC
Sound Level	24.2 db(A)
System Warning	Voice prompts or Buzzer
Tray Locker	Yes
File System: Internal Hard Drive	EXT4
RAID Recovery	Yes
Online RAID Capacity Expansion	Yes
Online RAID Level Migration	Yes
RAID 10+ hot spare	Yes
RAID 10	Yes
RAID 6+ hot spare	Yes
RAID 6	Yes

RAID 5+ Spare	Yes
RAID 5	Yes
RAID 1	Yes
JBOD	Yes
Single Disk	Yes
Global Hot Spare	Yes
Wake on LAN (WOL)	Yes
Schedule Power On/Off (15 settings)	Yes
Telnet & SSH logins (Admin only)	Yes
Syslog Server & Client	Yes
Language	English, German, French, Italian, Spanish, Polish, Swedish, Danish, Norwegian, Finnish, Russian, Japanese, Korean, Dutch, Czech, Traditional Chinese, Simplified Chinese, Turkish, Hungarian, Romanian, Thai, Portuguese/Brazil, Greek

Note: Use only QNAP memory modules to maintain system performance and stability. For NAS devices with more than one memory slot, use QNAP modules with identical specifications.

Warning: Using unsupported modules may degrade performance, cause errors, or prevent the operating system from starting.

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