



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 H264 / 1920x1080 / 30FPS
Max Throughput	1686 Mbps
Drive Bay	8 x 3.5-inch SATA 6Gb/s, 3Gb/s The system is shipped without HDD. For the HDD compatibility list, please visit https://www.qnap.com/compatibility/
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
M.2 SSD Slot_note (nvme or sata)	These M.2 slots do not support features related to QVP software
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 With WD10EFRX drives fully populated
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 and refer to the hardware user manual to install compatible QNAP memory modules.

Warning: Using unsupported modules may degrade performance, cause errors, or prevent the operating system from starting. QNAP reserves the right to replace partial parts or accessories if the original is no longer available from its manufacturer/supplier. Any replacement would be fully tested and verified to meet strict compatibility and stability guidelines and will deliver identical performance to the original.

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