



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 |
| 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) | 7.41 × 12.96 × 11.06 inch |
| Weight (Net) | 16.09 lbs |
| 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.

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.

The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

Product images are for illustrative purposes only and may differ from the actual product. Due to differences in monitors, colors of products may also appear different to those shown on the site.

Designs and specifications are subject to change without notice.