

# MiniHawk 64r

## MiniHawk

Concurrent's MiniHawk™ 64r is a powerful, standalone media server that enables reliable, on demand content delivery for a wide variety of system architectures and capabilities. Based on Concurrent's widely deployed MediaHawk® server software, the MiniHawk is a small, yet robust, server designed for the most stringent video-on-demand (VOD) applications.

The MiniHawk is a flexible option for a low-cost trial system or for use as an edge server in larger deployments. The MiniHawk is also the right choice for system integrators looking to deploy VOD for enterprise applications such as hospitality, education or corporate communications. With a programmer's reference guide documenting standard interfaces, system integration is a breeze.

The MiniHawk 64r offers multiple configuration options capable of supporting thousands of viewers with a single, two rack-unit server. Ideal for space constrained environments or applications that require performance in a small form factor; the MiniHawk is a powerful, compact system.

## Features

- Stand-alone VOD server supporting up to 1500 Mbps streaming throughput (400 SD Streams)
- 2100 hours VOD storage @ 3.75 Mbps
- Supports RTSP and HTTP protocols for streaming and download
- Supports MPEG-1, MPEG-2, and MPEG-4 (H.264) encoded content for streaming
- Supports any file type for HTTP download
- Multiple MiniHawk configurations available based on storage and streaming requirements
- Compact, two-rack unit design
- Reliable COTS hardware
- ROHS compliant hardware
- Economical for small or trial deployments
- Documented programmer's reference guide



## VOD/IPTV Applications

- Telcos
- Enterprise/corporate
- MDUs
- Hospitality
- Education/distance learning
- Medical
- Military

## About Concurrent

Concurrent is a global leader in innovative solutions that enable the seamless delivery, management and monetization of video on any screen. Built on a solid foundation of video firsts and Emmy® Award winning technology, Concurrent's screen-independent video delivery and media data solutions create a truly holistic, 360-degree view of the consumer video experience. Concurrent has deployed over 200 distinct video systems worldwide that represent approximately 21.5M basic cable subscribers.

Concurrent's video solutions are built on a rich heritage of high-performance, real-time technology, which also powers solutions for the defense, aerospace, automotive and financial industries.

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# Specifications

| Area                                | Lab/Small Market Non-Expandable System   | Small Market Expandable System   |
|-------------------------------------|--|--|
| <b>Maximum Streaming Capacity*</b>  | 400 SD (1500Mbps)  | 400 SD (1500Mbps)  |
| <b>Supported Protocols**</b>        | <ul style="list-style-type: none"> <li>• RTSP</li> <li>• NGOD</li> <li>• ISA-compliant</li> <li>• LSC</li> <li>• DMSCC</li> <li>• Concurrent Management Protocol</li> <li>• HTTP Download</li> </ul>   | <ul style="list-style-type: none"> <li>• RTSP</li> <li>• NGOD</li> <li>• ISA-compliant</li> <li>• LSC</li> <li>• DMSCC</li> <li>• Concurrent Management Protocol</li> <li>• HTTP Download</li> </ul>   |
| <b>Ingest Capacity</b>              | 10 SD streams (38Mbps)   | 10 SD streams (38Mbps)   |
| <b>Bit Rates Supported</b>          | 1 Mbps MPEG-4 to 18 Mbps MPEG-2 HD   | 1 Mbps MPEG-4 to 18 Mbps MPEG-2 HD   |
| <b>Bit Rates Supported Download</b> | 1 Mbps MPEG-4 to 18 Mbps MPEG-2 HD   | 1 Mbps MPEG-4 to 18 Mbps MPEG-2 HD   |
| <b>Streaming Formats</b>            | MPEG-1, MPEG-2, H.264 MPEG-4   | MPEG-1, MPEG-2, H.264 MPEG-4   |
| <b>Download Formats</b>             | MPEG-1, MPEG-2, H.264 MPEG-4   | MPEG-1, MPEG-2, H.264 MPEG-4   |
| <b>System Monitoring</b>            | Concurrent Health Monitor, SNMP  | Concurrent Health Monitor, SNMP  |
| <b>Trick Mode Support</b>           | Fast Forward/ Rewind in variable combinations  | Fast Forward/ Rewind in variable combinations  |
| <b>Input Ports</b>                  | Gigabit Ethernet   | Gigabit Ethernet & FC8   |
| <b>Output Ports</b>                 | Gigabit Ethernet   | Gigabit Ethernet & 10GigE  |
| <b>Ethernet Ports</b>               | 4 total, 2 maximum for output  | 4 total, 2 maximum for output  |
| <b>Environmental</b>                | <ul style="list-style-type: none"> <li>• Operating Environment: 10° to 35° C (50° to 95° F)</li> <li>• Storage Environment: -40° to 65° C (-40° to 149° F)</li> <li>• Relative Humidity: 20% to 80%</li> </ul>   | <ul style="list-style-type: none"> <li>• Operating Environment: 10° to 35° C (50° to 95° F)</li> <li>• Storage Environment: -40° to 65° C (-40° to 149° F)</li> <li>• Relative Humidity: 20% to 80%</li> </ul>   |
| <b>Power Requirements</b>           | <ul style="list-style-type: none"> <li>• Hot Plug Redundant Power Supplies</li> <li>• 300 Watts</li> <li>• Input Voltage Range: 90-264 VAC, optional 36-72V DC</li> <li>• Line Frequency: 47-63 Hz AC</li> <li>• Heat Dissipation: 1006 BTUs per hour</li> </ul>                                   | <ul style="list-style-type: none"> <li>• Hot Plug Redundant Power Supplies</li> <li>• 300 Watts</li> <li>• Input Voltage Range: 90-264 VAC, optional 36-72V DC</li> <li>• Line Frequency: 47-63 Hz AC</li> <li>• Heat Dissipation: 1006 BTUs per hour</li> </ul>                                   |
| <b>Physical</b>                     | <ul style="list-style-type: none"> <li>• Dimensions: 3.4" (8.64 cm) (2 RU) height x 17.44" (44.31 cm) width x 26.8" (68.07 cm) depth</li> <li>• Fits in 30" (76.2 cm) or 36" (91.4 cm) deep racks</li> <li>• Optional telco rack installation kits</li> <li>• Weight: 55 lbs (24.95 kg)</li> </ul> | <ul style="list-style-type: none"> <li>• Dimensions: 3.4" (8.64 cm) (2 RU) height x 17.44" (44.31 cm) width x 26.8" (68.07 cm) depth</li> <li>• Fits in 30" (76.2 cm) or 36" (91.4 cm) deep racks</li> <li>• Optional telco rack installation kits</li> <li>• Weight: 55 lbs (24.95 kg)</li> </ul> |
| <b>Storage Hours (onboard)*</b>     | 2100 hours @ 3.75 Mbps content encoding rate (4TB raw capacity)  | 2100 hours @ 3.75 Mbps content encoding rate (4TB raw capacity)  |

\*SD @ 3.75 Mbps

\*\* Video Server 11.15 or 11.15 (L) release