Choosing a router is a crucial decision. It is an investment that forms the very core of your infrastructure — relied on to be your operation’s never-failing, signal routing workhorse.

In a market crowded with routing contenders, Imagine Communications makes the decision easy. Select any size frame and matrix. Opt for HD today and move to IP tomorrow. Scale up anytime your business grows — with no off-air time. With the Platinum™ router line, every choice is the right one.

Our industry-leading routing technology has achieved an impressive résumé of innovation, including the first internal mux/demux, the first integrated frame sync and the first truly integrated multiviewer. Combining innovative architecture with 24/7 on-the-job reliability, Imagine Communications offers a robust, future-proof router for any media operation — from mobile production trucks to cable headends to national broadcasters that require 1,000s of I/O.

Innovative Enterprise, Large and Medium Routing

Platinum™

The award-winning Platinum router line integrates mixed-format video and audio routing, multiviewer functionality, mux/demux, frame sync and advanced I/O options such as advanced I/O options, including optical — all within a single, space-saving frame. Available in matrix sizes from 40x32 to beyond 2Kx2K, the Platinum line offers the industry’s highest level of router technology integration, limitless expansion options and exceptional on-air protection — enabling any media operation to work smarter and more efficiently.

Benefits

- Scalable, future-proof architecture enables seamless on-air expansion with zero downtime
- Internal mux/demux, frame sync and multiviewer reduces system complexity and operating costs
- Full redundancy for power, control and signals (audio, video, multiviewer) ensures 24/7 reliability
- Seamless operation under Magellan™ SDN Orchestrator enables hybrid baseband/IP network infrastructures

Platinum IP3

28RU
(supports matrices over 2Kx2K in multi-frame configurations)

Platinum MX

5RU, 9RU

Platinum IP3

15RU
Small to Midsize Utility Video Routing

Platinum™ VX

The Platinum VX line of small-to-midsize utility routers supports any signal type from 3 Mb/s to over 3 Gb/s and matrices from 16x16 up to 288x288 in a choice of four frame sizes (1, 2, 4 and 8RU). Leveraging the robustness of the industry-proven Platinum router line, the compact and affordable Platinum VX incorporates the latest equalization and reclocker technologies to ensure delivery of the best signal quality every time and offers the highest density per rack unit of any SDI video routing system on the market today.

Benefits
- Built-in Magellan control simplifies and speeds setup and configuration
- Industry-leading density minimizes space requirements and operating costs
- Clean & Quiet option for 1RU version eliminates downstream signal interruption
- Modular 4RU and 8RU versions easily expand in the field as requirements change
- Seamless operation under Magellan SDN Orchestrator enables hybrid baseband/IP network infrastructures

Intuitive Control and Configuration

Magellan™ RCP

The Magellan™ family of router control panels (RCPs) provides a fast, powerful and simple way to control your Imagine Communications or third-party routing systems. Available as a series of 10 highly customizable hardware panels in 1 or 2RU versions, Magellan RCPs can be tailored to any budget or routing requirements and offer Web-based configuration for fast and intuitive operation.

Benefits
- Web-based configuration enables industry’s fastest setup for both local and remote operations
- Feature-rich, customizable panels are easily tailored to specific operational requirements
- Ultra-compact (less than 2” deep) footprint ideal for any space-constrained environment
- Flexible architecture also enables control of all Imagine Communications multiviewers and processing products

Magellan™ SDN Orchestrator

The Magellan SDN Orchestrator is an award-winning software control system for managing hybrid baseband and IP facilities. By enabling the seamless integration of IP and legacy SDI networks, this pioneering software-defined framework allows media companies to maximize their investments in high-quality baseband video processing, while accessing a clear path to an open, interoperable IP-based future.

Benefits
- Software control system makes IP network look like SDI – easy to manage and operate
- Open-protocol framework supports COTS IP switches from multiple vendors
- Seamless integration within existing workflow ensures no operational disruptions
- Enables COTS IP switch-based network to achieve broadcast-quality performance