

# DRACO ULTRA

## Master of the KVM Universe



240 **Draco** Ultra DP

EXTENDERS FOR ESPORTS

Possess the ultra powers of game-play

- Overcome display darkness with EDID control
- Share the glory of battle with Keyboard Chosting
- Command the action with full 240Hz refresh rates
- Unlock your reach with fiber connections up to 5Km

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## BUILT TO SUPPORT THE NEXT GENERATION OF ESPORTS STADIUMS

### Draco ultra - professional gear for professional gamers

Alongside state-of-the-art extender technology for 4K resolutions, IHSE now raises the bar with unmatched performance in higher refresh rates to support esports and gamer demands with the Draco Ultra Gaming Extenders.

For next generation professional gamers demanding these higher refresh rates, IHSE has introduced the new Draco ultra DP Gaming Extenders supporting refresh rates up to 240Hz at full 1080p resolutions.

For competition gaming stations where computers need to be located at distances that exceed the reach of copper cables these KVM display management extenders can be used by gamers and esports players to make sure they will continue to see sharper visuals during fast action game-play. Additionally, moving the mouse will feel smoother compared to a more typical 60Hz display.

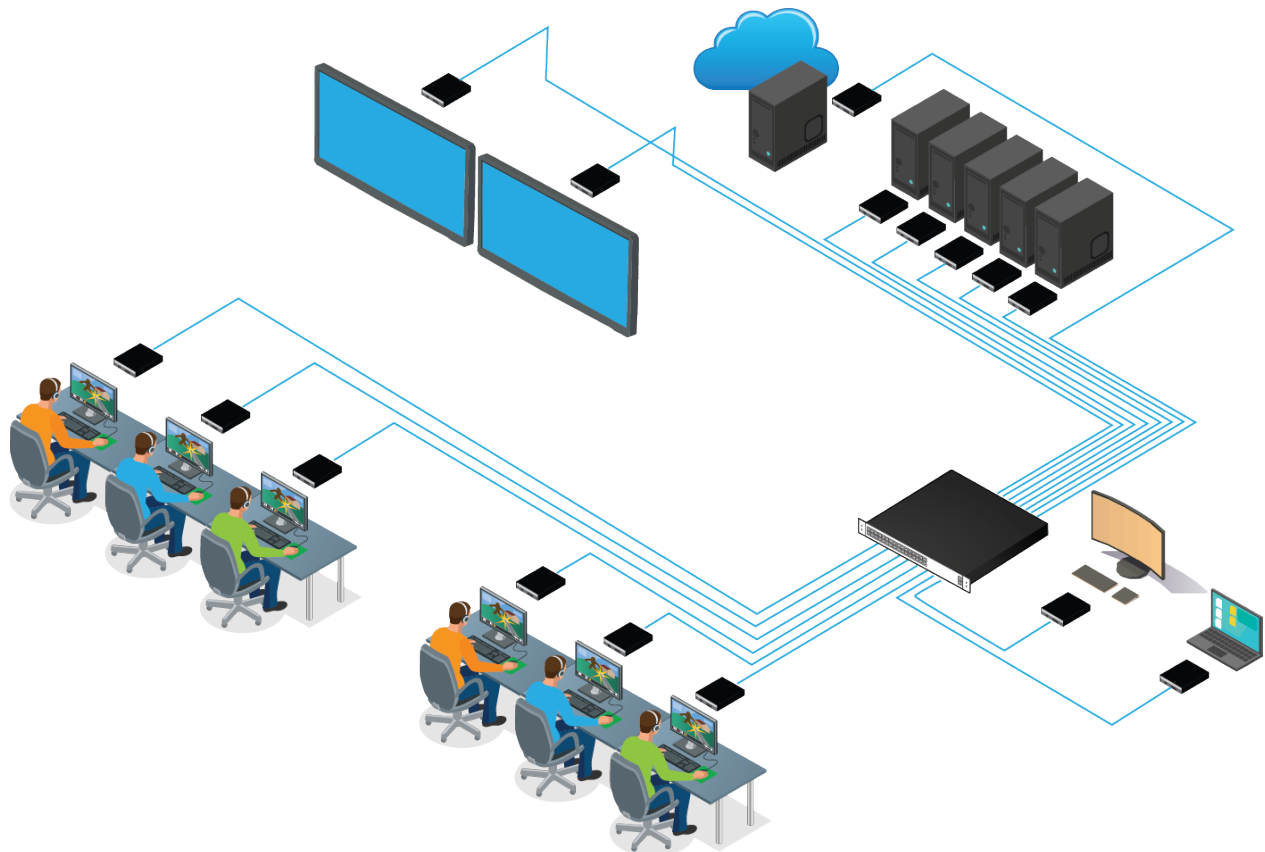
Traditionally, KVM extenders place a hard cap of 60 frames per second between an extended cable connection which means gamers would not fully benefit from the enhanced responsiveness of higher frame rates. IHSE's Draco ultra DP Gaming Extenders constitute a new generation of digital KVM signal extension using the innovative Lightweight Image (LICI) codec, developed in cooperation with the Fraunhofer Institute for Integrated Circuits. This revolutionary coding technology ensures brilliant image quality at the highest video resolutions with outstanding full 30 bit color depth and 4:4:4 sampling.

This high refresh rate solution allows users to operate CPUs from devices at a remotely located workstation —supporting DisplayPort video devices, keyboards, and pointing devices — over a single duplex fiber cable and can extend resolutions in 5120X1440 at 144 hertz or 1920x1080 at 240Hz up to 5Km. With built in USB-HID supporting gaming keyboards, these devices allow ultra-fast response time demanded by professional gamers.

**Reduce the noise and clutter at the game station by moving the computer to another secure location up to 5Km away!**

Benefits of the Draco Ultra Gaming Extenders include ease of setup for remote gaming station during staging and competition while removing noisy CPU's from the desktop command center. Ultra-fast response time offers uninterrupted lag or eliminates tearing while transmitting the refresh rate transparently between the graphics card and monitor.

These extenders can also support audio transmission via the DisplayPort interface, eliminating the need for additional audio modules and enabling playback of the audio signal on monitors with integrated loudspeakers. It is also possible to integrate optional Draco vario mezzanine modules for digital audio input and output and for data signals such as USB 2.0 and RS-232 / RS-422 when upgraded to a larger enclosure.



**Esports Flow Diagram:** Build a gaming console distribution system for Esports arenas and stadiums



Ultra high performance KVM for DisplayPort 1.2 providing low latency and perfect video performance using the latest LIC1 technology from Fraunhofer

## FEATURES

- Reduce desktop clutter by moving noisy computers to a remote locations thus freeing up your game-play areas with reduced cabling above and below your work table area.
- Protect your computer hardware from malicious activities by moving it to a secure location up to 5Km from a game workstation.
- Get perfect video refresh rates up to 240Hz for 1920 x 1080 and up to 144Hz at 5120 X 1440 with transparent pass-through between the extender transmitter and receiver modules.
- Supporting DisplayPort 1.2 and USB-HID standard with options to include embedded USB 2.0 for specialty keyboards.
- Optional accessory hardware makes it easy to mount the unit out-of-site under the table or fitted inside an optional chassis enclosure for rack mounting.

**IHSE offers next generation technology that until recently only PC gamers have been able to take advantage of with direct cable connections.**

IHSE has been offering traditional KVM systems supporting best-in-breed performance for over 35 years. These products support high-end display management systems used by a variety of traditional AV verticals including live arena sports, mobile sports production and live-event broadcasting. Now IHSE brings this same technology to gaming professionals.

Esports requires a lot of screens, onstage and elsewhere in a venue that will need sufficient support for high-end distributed video and direct computer access without worrying about latency or mouse lag. Also, the backstage areas need to be larger than you'd normally find in theaters or conventional sports venues, because the players and teams will need to practice in those spaces. The obvious solution is a KVM matrix to manage all of these sources under one control allowing fast access and multi-macro configurations for quick changes to on-screen previews.



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Check out our website for the latest in product news, the latest events where you can see live demonstrations and the latest in software and documentation support.

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