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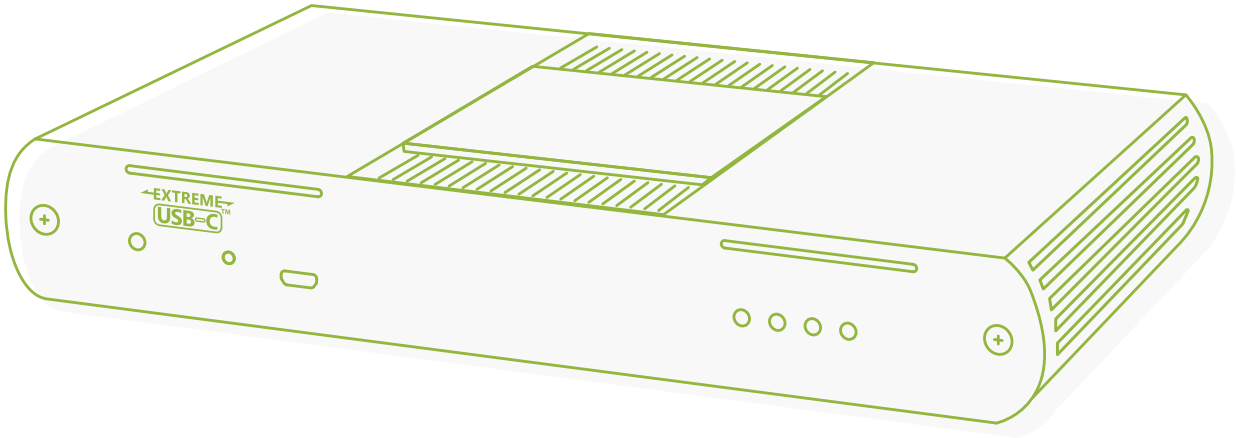


## ICRON USB 3-2-1 RAVEN™ PRODUCT LITERATURE

EXTREME USB-C™

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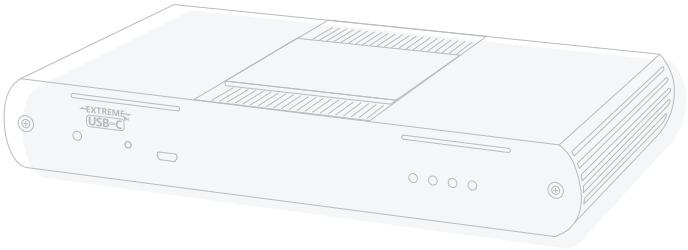

# ICRON USB 3-2-1 RAVEN™ PRODUCT COMPARISON

The Icron USB 3-2-1 Raven extenders are the world's first USB 3 extension solution with ExtremeUSB-C™ technology extending all USB 3.2, 2.0 and 1.1 devices simultaneously up to 100 meters over CAT 6a/7 and 200 meters over Multimode Fiber.

| | USB 3-2-1 RAVEN 3104 | USB 3-2-1 RAVEN 3104 PRO | USB 3-2-1 RAVEN 3124 |
|---|---|---|---|
| USB 3-2-1 Extension up to 200m over Multimode Fiber | ✗ | ✗ | ✓ |
| USB 3-2-1 Extension up to 100m over Cat 6a/7 Cable | ✓ | ✓ | ✗ |
| Four 5V 1.2A (6W) Downstream USB Ports | ✓ | ✓ | ✓ |
| ExtremeUSB-C™ Suite of Features | ✓ | ✓ | ✓ |
| FCC /CE Class B | ✓ | ✓ | ✓ |
| Maximum Number of Downstream Devices | 30 | 30 | 30 |
| 100 BasetT Ethernet Side Chanel | ✓ | ✓ | ✓ |
| 1000BaseT Ethernet Side Channel | ✓ | ✓ | ✗ |
| Enhanced Support for USB Camera, Video, and Video Capture Devices | ✗ | ✓ | ✗ |
| Support for Google Hangouts Meet | ✗ | ✓ | ✗ |
| Support for Isochronous USB 3 Transactions | ✗ | ✓ | ✗ |

| CABLE CODE | USB 3-2-1 Raven 3104 | USB 3-2-1 Raven 3104 Pro | USB 3-2-1 Raven 3124 |
|---|---|---|---|
| North American PLUG | 00-00421 | 00-00451 | 00-00437 |
| European PLUG | 00-00422 | 00-00452 | 00-00438 |
| United Kingdom PLUG | 00-00423 | 00-00453 | 00-00439 |
| Australian PLUG | 00-00424 | 00-00454 | 00-00440 |
| Japanese PLUG | 00-00425 | 00-00455 | 00-00441 |

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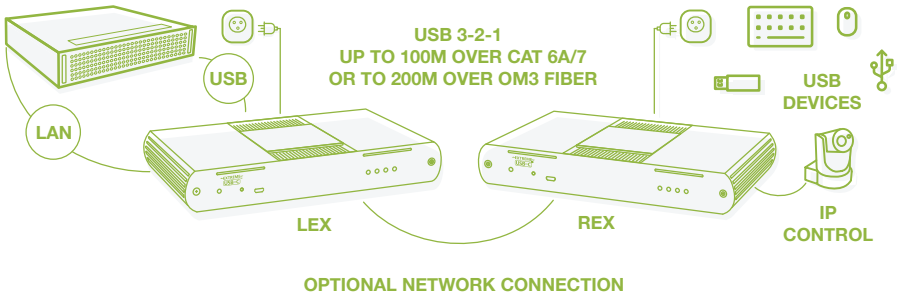
# 4-PORT USB 3-2-1 EXTENDER SYSTEM

Web conferencing helps companies achieve success by allowing video sessions with anyone, anywhere, anytime. Integrators are often frustrated by installation challenges within the huddle/conference room where standard USB cables are not long enough and/or USB 3 extenders have been unreliable. Finally, with the availability of Icron's USB 3-2-1 Raven™ Series, there are web conferencing extension solutions that actually work.

Raven extends USB 3.1 web conferencing systems and other USB peripherals simultaneously up to 100 meters over CAT 6a/7 cable (3104) or up to 200 meters over OM3 fiber (3124).

For enhanced experiences, including higher resolution and support for ISO transport devices and modes,the Raven 3104 Pro is recommended.
**Raven has been successfully tested with many major USB 3.1 conference cameras in conjunction with web conferencing applications such as BlueJeans, Cisco WebEx, Google Hangouts, Skype for Business, Microsoft Teams, and Zoom.**




**The following companies have tested and validated their USB 3 conference camera solutions to work seamlessly with Raven.**

## CAMERA SOLUTIONS

| | Aver | Logitech | Lumen | Angeki | ClearOne | Huddlea CamH | PTZOptic | Telycam | Vaddi | VDO360 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Raven 3104** | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| **Raven 3104 Pro** | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| **Raven 3124 Fiber** | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

## CONFERENCING APPLICATIONS

| | BlueJeans | Cisco WebEx | Google Hangouts | Skype for Business | Microsoft Teams | Zoom |
|---|---|---|---|---|---|---|
| **Raven 3104** | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ |
| **Raven 3104 Pro** | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| **Raven 3124 Fiber** | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ |

**If you need any further information regarding trade pricing, stock availability, compatibility, or any other general inquiries please contact sales@icronshop.com or use the contact us form by clicking here.**

Worldwide shipping | Extensive stock | Same-day order dispatch | Secure payment options

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# ICRON PRODUCT FAQS

### WHAT IS EXTREMEUSB®?

*Backed by over 20 years development, ExtremeUSB is a patented solution that enables users to overcome the standard distance limitation on extending USB. ExtremeUSB is a plug and play solution, requiring no additional drivers and is compatible with most operating systems.*

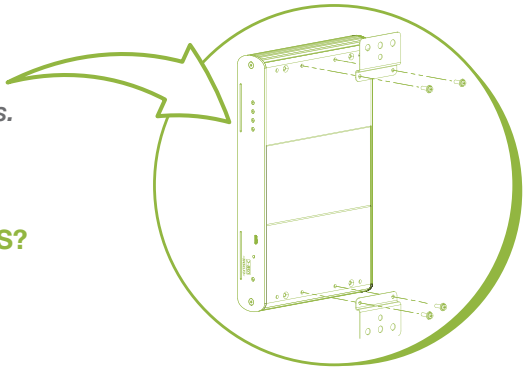
### DO I NEED TO BUY LOCAL (LEX) AND REMOTE (REX) UNITS SEPARATELY?

*No, both the Lex and Rex units are included in the Raven 3104, Raven 3104 PRO and Icron Raven 3124.*

### WHAT ARE MOUNTING OPTIONS FOR THE RAVEN PRODUCTS?

*You can purchase mounting kits separately for your Raven products.*

*Part number: 10-00620* *(Distance between the enclosure mounting holes:42.0mm x 205.5mm)*



### WHAT IS THE WARRANTY PERIOD ON ICRON RAVEN PRODUCTS?

*Icron Raven products benefit from 2-Year manufacturing warranty.*

### MAXIMUM NUMBER OF DEVICES AND/OR HUBS SUPPORTED BY THE RAVEN PRODUCTS?

*Up to 30 devices can be supported.*

### WHAT IS THE AVAILABLE CURRENT AT THE REX UNIT?

*1.2A (6W) per USB port.*

### DOES ICRON RAVEN PRODUCTS SUPPORT USB TYPE C?

*Yes, Raven products support USB type C but the available connectors are USB Type A port. You can simply use inexpensive "USB type C to A converters" with the Raven items.*

### WHAT ARE THE CABLING REQUIREMENTS FOR THE ICRON RAVEN SERIES?

*3104/3104 Pro*

*The minimum category cabling to be used to reach maximum distance of 100m (328ft) of extension is category 6a, this distance will include the patch cable. For best performance use Shielded or Foiled CAT 6a/7 cable.*

*3124*

*The required cabling to reach maximum distance of 200m (656ft) is OM3 Multimode Fiber with Duplex LC connector.*

### WHAT IS THE LAN PORT ON THE RAVEN PRODUCTS?

*The LAN port is 100/1000Mbps Ethernet pass through connection that can be used for a variety of purposes, including connecting network devices or providing remote network access to the same location as the REX unit.*