EL5100 DVI + USB 2.0 Extender
DVI and USB 2.0 100 Cat 5e KVM Extender System

The EL5100 extends both DVI and USB 2.0 up to 100m using a single Cat 5e* cable.

LEX (Local Extender)

REX (Remote Extender)
back view

Features

The EL5100 KVM Extender lets you place a computer up to 100m (330 ft) away from the workstation using a single Cat 5e* cable. The system supports full HD video and USB 2.0, providing the ability to control keyboards, mice, flash drives or other USB 2.0** and 1.1 devices.
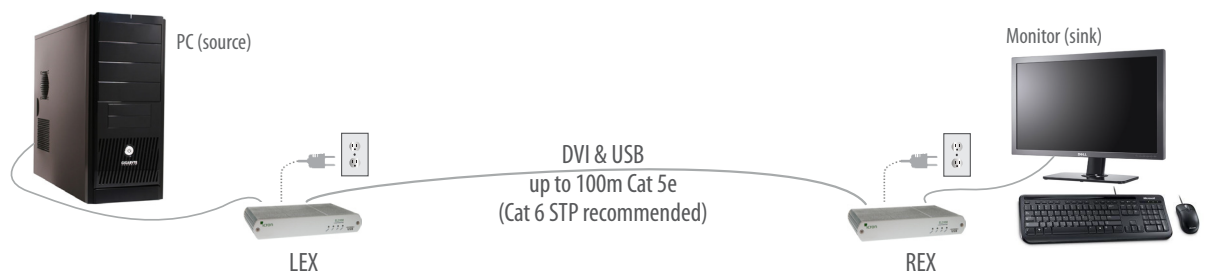
- ■ Provides full uncompressed 1920 x 1200 resolution HD video
- ■ 24-bit color
- ■ USB 2.0 high-speed 480Mbps throughput

Includes ExtremeUSB® suite of features:

- ■ True plug and play. No software drivers required
- ■ Supports all major operating systems: Windows®, Mac OS X® and Linux®
- ■ Reliable operation with USB 2.0** and 1.1 devices and hubs
- ■ Patented extension technology

Applications

- ■ Medical Extensions
- ■ Security
- ■ Interactive Digital Signage
- ■ Industrial Control

PC (source)

Monitor (sink)

DVI & USB
up to 100m Cat 5e
(Cat 6 STP recommended)

LEX

REX

*   This product supports Cat 5e or better cabling (i.e. Cat 6, Cat 7, etc). All references to "Cat 5e" should be read as "Cat 5e or better".
**USB throughput is limited to 30Mbps. High bandwidth devices may not function properly. USB audio devices not recommended.

Back view

Cable Type	Electrical Interference Susceptibility
Solid Core Cat 5e UTP	High
Solid Core Cat 5e STP	Moderate
Solid Core Cat 6 UTP	High
Solid Core Cat 6 STP	Low (Recommended)
Solid Core Cat 7 STP	

Note: Maximum distance and product performance will be reduced in the presence of interference or coiled extension cable.

RANGE

Direct Connect: Up to 100m (330 ft) over Cat 5e (or better)

VIDEO

Resolution: High Definition 1920 x 1200

Color: 24-bit color depth

Depth: 2D

Latency: Less than 1ms

SPEEDS

USB 2.0:   Up to 30Mbps

USB 1.1:   Up to 12Mbps

LEX

Video Connector: 1 x DVI

USB Connector: 1 x USB Type B Receptacle

Link Connector: 1 x RJ45

Dimensions: 112mm x 175mm x 30mm (4.4" x 6.9" x 1.2")

Enclosure Material: Silver Anodized Aluminum

Power Supply: 100-240V AC input, 5V DC output

REX

Video Connector: 1 x DVI

USB Connectors: 3 x USB Type A Receptacles

Link Connector: 1 x RJ45

Dimensions: 112mm x 175mm x 30mm (4.4" x 6.9" x 1.2")

Enclosure Material: Silver Anodized Aluminum

Available Current: 500mA for each USB port

Power Supply: 100-240V AC input, 5V DC output

ENVIRONMENTAL

Operating Temperature: 0°C to 40°C (32°F to 104°F)

Operating Humidity: +20% ~ 80% (non condensing)

COMPLIANCE

EMC: FCC (Class A), CE (Class A), ICES-003

Environmental: RoHS2 (CE)

SUPPORT

Warranty: 2-year

Ordering Information

The EL5100 system includes a LEX, REX, USB cable, DVI cable, Quick Start Guide, two international power adapters with country specific power cord and two-year warranty. For more information email **sales@icronshop.com** or call +44 1273 731 555.

PART #	NAME	DESCRIPTION
00-00307	EL5100-NA	DVI+USB 2.0 1920x1200 single Cat 5e 100m KVM Extender System, 100-240V Power Adapter, NA Power Cord
00-00308	EL5100-EU	DVI+USB 2.0 1920x1200 single Cat 5e 100m KVM Extender System, 100-240V Power Adapter, EU Power Cord
00-00309	EL5100-UK	DVI+USB 2.0 1920x1200 single Cat 5e 100m KVM Extender System, 100-240V Power Adapter, UK Power Cord
00-00310	EL5100-AU	DVI+USB 2.0 1920x1200 single Cat 5e 100m KVM Extender System, 100-240V Power Adapter, AU Power Cord
00-00287	KVM Mounting Kit	Four Brackets for EL/VU3500, 4500, 5100, 5200