Release Notes

EL/VU5100 Hardware and Firmware Revision

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1. Product Description

1.1 EL5100

Icron's EL5100 DVI + USB 2.0 Extender extends both USB 2.0 and full uncompressed HD video over up to 100m of Cat 5e cable. It supports uncompressed resolutions up to 1920x1200 and 24-bit color depth.

1.2 VU5100

The VU5100 DVI + USB 2.0 Extender provides all the benefits of the EL5100 but in formats ready to use for OEM customers. This includes options for Turnkey PCBA modules that simply require an enclosure to be brought to market, or finished product ready for custom labelling.

2. Revision Release Notes

2.1 Affected Part Numbers

The following notes are applicable to the release associated with the EL5100 and VU5100 KVM extenders, which include but are not limited to the following part numbers:

o	**EL5100:**	00-00307, 00-00308, 00-00309, 00-00310
o	**VU5100:**	00-00283, 00-00284, 00-00285, 00-00286,
		10-00235, 10-00236, 10-00245, 10-00246
o	**Custom Products:**	01-00356, 01-00357, 01-00358, 01-00359,
		01-00363, 02-00012, 02-00013, 10-00212,
		10-00213, 10-00249, 10-00250, 10-00251,
		10-00252, 10-00262, 10-00263, 10-00264,
		10-00265

2.2 Firmware Revision Changes

The C05 firmware makes performance improvements to HDCP control for other KVM extenders that use the same firmware as the EL/VU5100. HDCP control is disabled for all EL5100 and VU5100 products and as such does not impact existing product behaviour or performance.

2.3 Hardware Revision Changes

The new hardware revision makes the following changes to the Local Extender or LEX side of the system:
- o Addition of 5V Charge Pump
    - o Ensures that the unit receives clean 5V power from the host computer's USB port.
    - o Allows the unit to operate if the power provided by the PC's USB port dips below the USB specification for 4.4V.

LEX and REX side of the system:
- o Bleeder Resistors on Power Jack
    - o Prevents system lock-ups in the event that power is disconnected and reconnected quickly. Also helps to ensure on the next power up, the system is properly reset.
- o Additional LED options for OEM customers using Turnkey 5100s PCBAs
    - o Provisioning for a set of vertical LEDs on the rear of the board
    - o Provisioning on the front of the board for alternative LED options. *Please review mechanical drawings for details*

2.4 Firmware Components

The C05 firmware release is comprised of:

- • R05 firmware

- • VS 30.04 C3

If there are any issues or questions regarding USB 2.0 or DVI extension operation, or these release notes, please contact Icron Technologies Customer Support at:
techsupport@icron.com