

## Features

- **Precision video**  
VGA resolutions of 1920 x 1200 are achievable at up to 300 meters (1000ft).
- **Local feed through port**  
A local pass through port is provided for audio and video so a local console can be used.
- **USB powered transmitter**  
The transmitter is powered via its USB port to reduce the need for external supplies. There is an option for an external power supply if the USB port has insufficient power.
- **Emulated two page DDC EDID**  
This extender supports full two page DDC EDID. Some high performance video cards require the two page data or they will not deliver optimal performance.
- **Stereo CD Quality**  
Stereo channel 16 bit (sampled at 44.1kHz) is available to transfer audio from local to remote for line out.
- **Rack options**  
Both transmitter and receiver units can be used stand-alone or up to 16.

*The Avocent® LV3000 next generation USB, video and audio extenders delivers sharp, bright and high resolution video images and high quality audio for single and multi screen desktops at distances up to 300m (1000ft) over a single or multiple CATx cables. The LV3000 series has been designed to provide industry-leading video clarity, compatibility and high rack densities.*

### USB Support

The Avocent LV3000 extends USB 2.0 (low and full speed) allowing all USB compatible accessories (including isochronous devices) to be extended. The receiver unit has a built in 4 port USB hub to enable a complete desktop to be located remotely, including a keyboard, monitor, mouse, disk drive, flash memory stick, webcam, and any other device that would normally be plugged into your computer's USB port.

### Dual user configuration

Two Avocent LV3000 units can be linked to a single computer so two users can access the system.

When using two sets of Avocent LV3000 modules to allow two users to access a single computer the arbitration between the users is handled by the USB sub-system of the computer. This means that both users can control the computer at exactly the same time.

### Video compensation

Industry leading video compensation enables superb video quality at maximum distance over a single cable. For the first time, adjustment can be made for cable type and cable length with further color skew compensation and gain adjustment to ensure crystal clear images, all from the receiver's keyboard.



## Technical Specifications

### Video resolutions

All resolutions up to 1920x1200 @60Hz /1080p

### Extension distance

- 200 meters using CAT5 Trunk cable
- 250 meters using CAT5e Trunk cable
- 300 meters using CAT6 Trunk cable
- 300 meters using CAT7 Trunk cable
- 200 meters using CAT7a Patch cable

### Skew compensation

62ns de-skew with 2ns resolution (1/4 pixel at 1600x1200)

### USB devices supported

Supports all USB 1.1 devices (full speed and low speed modes) and USB 2.0 devices that will run in low speed or full speed USB 1.1 modes

### Audio (end to end)

2 channel 16 bit Audio @ 44.1 KHz THD+N typically -80dB at 1kHz SNR typically 85dB at 1kHz

### Physical

Transmitter -162mm x 26mm x 75mm, 430g  
Receiver - 122mm x 26mm x 75mm, 350g Fits into one slot width in the RMK-84 rack mount chassis (16 units fit into 2U of rack space)

### Power supply

100 - 240VAC, 50/60Hz input  
5V, -12W output

### Operating temperature

0°C to 40°C/ 32°F to 104°F

### Approvals

CE, FCC class A, UL

### LV3010

### LV3020

### Connectors - Transmitter

|   |   |  |
|---|---|--|
| 1 | 1 | USB type B connector   |
| 1 | 2 | 15-pin high-density D-type female connector (blue)                                   |
| 1 | 2 | 3.5mm audio jack (light green)   |
| 1 | 2 | RJ45   |
| 1 | 1 | 2.5mm DC jack for optional power adapter (only required for video only applications) |

### LV3010

### LV3020

### Connectors - Receiver

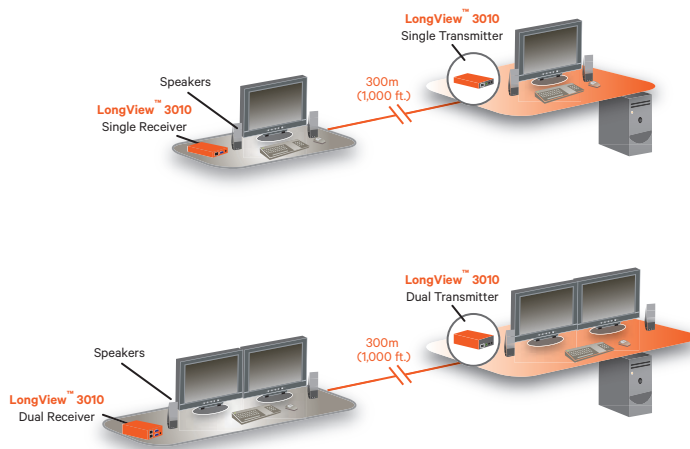
|   |   |  |
|---|---|--|
| 4 | 4 | USB type A connector   |
| 1 | 2 | 15-pin high-density D-type female connector  |
| 1 | 2 | 3.5mm audio jack (light green)   |
| 1 | 2 | RJ45   |
| 1 | 1 | 2.5mm DC jack for optional power adapter (only required for video only applications) |

## Ordering Details

### Part number

### Description

|         |   |
|---------|---|
| LV3010P | LongView™ single<br>VGA,USB,audio,CATx 300M |
| LV3020P | LongView dual<br>VGA,USB,audio,CATx 300M    |
| PSC0006 | Power Supply for LongView<br>3000/4000 unit |
| RMK-86  | RMK-84 1 module mount plate                 |
| RMK-87  | RMK-84 2 module mount plate                 |
| RMK-84  | LV3000/4000 19 in. 2U chassis kit           |



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