

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 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 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 LV3000 units can be linked to a single computer so two users can access the system. When using two sets of

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		EXTENSION DISTANCE	
All resolutions up to 1920x1200 @ 60Hz / 1080p		• 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		USB DEVICES SUPPORTED	
62ns de-skew with 2ns resolution (1/4 pixel at 1600x1200)		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)		PHYSICAL	
2 channel 16 bit Audio @ 44.1 KHz THD+N typically -80dB at 1kHz SNR typically 85dB at 1kHz		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		OPERATING TEMPERATURE	
100 - 240VAC, 50/60Hz input 5V, -12W output		0°C to 40°C/ 32°F to 104°F	
APPROVALS		CE, FCC class A, UL	
LV3010	LV3020	CONNECTORS - RECEIVER	
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 - TRANSMITTER	
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 VGA,USB,audio,CATx 300M
LV3020P	LongView dual VGA,USB,audio,CATx 300M
PSC0006	Power Supply for LongView 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

