



# COMPATIBILITY TEST

LABORATORY SERIES

3041 Olcott St. | Santa Clara, CA 95054, USA  
Fax: 408.986.8024 | Phone: 408.986.9988  
information@newnex.com | www.newnex.com

## Testing Documentation

- Goal: To ensure compatibility between Newnex’s connectivity solutions and SVS-VISTEK USB3.0 cameras
- Duration: over 24 hours
- Location: Newnex’s Technical Laboratory, 3041 Olcott st, Santa Clara, CA 95054, USA
- Camera tested: SVS-VISTEK USB3.0 cameras, Model # EXO249CU3 & EXO174MU3
- Newnex products tested with the SVS-VISTEK USB3.0 cameras (see the table of test results below)

## Detail Testing Parameters

Host Operating System and CPU	Windows 10 – 64bits Intel® Core™ i7-5820K		
Host USB 3.0 Port	Atech Flash (Asmedia Chipset)	Intel USB 3.0 Host	Fresco Logic

## Test Results

Distances Tested	Machine Vision Cameras		
		Type	SVS-VISTEK
		Model#	EXO249CU3 EXO174MU3
	Product Part#	Product Descriptions	Result
3M	<a href="#">US26AMCB11-3MN</a>	USB 3.0 A to Micro B with USB3 Vision Locking Cable, 3m	COMPATIBLE
5M	<a href="#">US26AMCB11-5MN</a>	USB 3.0 A to Micro B with USB3 Vision Locking Cable, 5m	COMPATIBLE
7M	<a href="#">U4S1A01MB2-070</a>	USB 3.0 A to Micro B with USB3 Vision Locking Cable, 7m	COMPATIBLE
8M	<a href="#">FireNEX-ULS-8</a>	USB 3.0 A to Micro B Locking Active Repeater Cable Slim, 8m	COMPATIBLE
12M	<a href="#">FireNEX-UL-12</a>	USB 3.0 A to Micro B Locking Active Repeater Cable, 12m	COMPATIBLE
14M	<a href="#">FireNEX-UL-14</a>	USB 3.0 A to Micro B Locking Active Repeater Cable, 14m	COMPATIBLE
16M	<a href="#">FireNEX-UL-16</a>	USB 3.0 A to Micro B Locking Active Repeater Cable, 16m	COMPATIBLE
18M	<a href="#">FireNEX-ULS-18</a>	USB 3.0 A to Micro B Locking Active Repeater Cable Slim, 18m	COMPATIBLE
10M,24M	<a href="#">FireNEX-uHUB™ (1)</a>	USB 3.0 Industrial Hub	COMPATIBLE
10M	<a href="#">FireNEX-uLINK-DS™ (2)</a>	USB 3.0 Active Repeater Dongle	COMPATIBLE
100M–300M	<a href="#">FireNEX-5000H-H™ (3)</a>	USB 3.0 Optical Repeater with Power Delivery Option	COMPATIBLE
Testing Specification		EXO249CU3	EXO174MU3
Resolution During Test (pixels)		1920x1200	
Color Mode		Color	Mono
Frame Rate During Test (fps)		30	160

Notes:

- (1) Tested in two cable set-ups: One setup is with two 5-meter USB 3.0 cables, and the other set-up is with two 12-meter USB 3.0 active repeater cables. For each set-up, the hub is in the middle of the PC and the camera.
- (2) Tested in two 5-meter USB 3.0 cables with the USB 3.0 Extension Dongle in the middle of the PC and the camera.
- (3) Tested up to 300-meter without power delivery option and up to 100-meter with power delivery option.

## Conclusion

With over 24 hours of comprehensive testing with USB 3.0 PCIe cards from Fresco Logic, Atech Flash and USB 3.0 host from Intel, Newnex US26AMCB11-3MN, US26AMCB11-5MN, U4S1A01MB2-070, FireNEX-ULS-8, FireNEX-UL-12, FireNEX-UL-14, FireNEX-UL-16, FireNEX-ULS-18, FireNEX-uHUB™, FireNEX-uLINK-DS™ and FireNEX-5000H-H™ were demonstrated to be fully compatible with the SVS-VISTEK cameras, model# EXO249CU3 & EXO174MU3.