



COMPATIBILITY TEST

LABORATORY SERIES

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Testing Documentation

Subject: Machine Vision Cameras Compatibility versus Newnex Length Solutions
Goal: To ensure compatibility between Newnex' Connectivity Solutions and Lumenera USB 3.0 Camera
Duration: over 24hrs
Location: Newnex' Technical Laboratory, 3041 Olcott St., Santa Clara, CA 95054

Camera tested:
Lumenera Lt225 USB 3.0: Model # Lt225C

Newnex Product tested:
US226-AMCB-5M (both locking and non locking)
FireNEX-uLINK 8M
FireNEX-ULP 12M (uLINK 12M with Power)
FireNEX-ULP14M (uLINK 14M with Power)
FireNEX-5000 USB 3.0 Optical Repeater

Detailed Testing Parameters

Newnex' Testing Parameters:	
Operating System:	Windows 7 Home Preimum 64 bits with Intel H77 Chipset. CPU: i5-3450
PCIe Card	SIIG DP SuperSpeed USB 2-port PCIe with Renansas Chipset Driver verison: 2.0.30.0

Test Results

Desired Distance	Machine Vision Camera	
	Types	Lumenera Lt225 USB 3.0
	Model #	Lt225C
	Version (mono/color)	Color
	MP	2.2
5M	Newnex' US226-AMCB-5M (with or without locking screws)	COMPATIBLE
8M	FireNEX-uLINK 8M	COMPATIBLE
12M	FireNEX-ULP 12M	COMPATIBLE
14M	FireNEX-ULP 14M	COMPATIBLE
100M+	FireNEX-5000	COMPATIBLE
Testing Specification		
	Color Code During Test	RGB 8 (Color)
	Transfer Rates During Test (fps)	84-85
	Resolution During Test (pixels)	2048x1088

Conclusion

With over 24 hours of comprehensive testing, Newnex US226-AMCB-5M (USB 3.0 Cable), FireNEX-uLINK 8M, FireNEX-ULP12M, FireNEX-ULP 14M, and FireNEX-5000 demonstrate to be fully compatible with Lumenera USB 3.0 Camera, Model# Lt225 and # Lt425.