



COMPATIBILITY TEST

LABORATORY SERIES

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Testing Documentation

- Subject: Toshiba Teli USB 3.0 Camera Compatibility versus Newnex Length Solutions
- Goal: To ensure compatibility between Newnex’s Connectivity Solutions with Toshiba Teli USB 3.0 Camera
- Location: Newnex’s Technical Laboratory, 3041 Olcott st, Santa Clara, CA 95054
- Camera tested: Toshiba Teli USB 3.0 Camera (BU406M)
- Newnex products tested:
 - US2-AIMCBI-3M: USB 3.0 A to Micro B with locking, 3M
 - US2AIMCBI-5M: USB 3.0 A to Micro B with locking, 5M
 - FireNEX-ULK-12M: USB 3.0 Active Repeater Cable, 12M
 - FireNEX-ULK-16M: USB 3.0 Active Repeater Cable, 16M
 - FireNEX-uLINK-DS: USB 3.0 Active Repeater Dongle

Detail Testing Parameters

| | |
|------------------|---|
| Operating System | Windows 7 – 64bits with Intel H77 Chipset CPU: i7-3450 |
| USB 3.0 Host | Fresco Logic, Renesas, Intel, Asmedia |

Test Results

| Desired Distance | Machine Vision Cameras | |
|------------------------------|---------------------------------|--------------|
| | Types | Toshiba Teli |
| | Model# | BU406M |
| | Version (mono/color) | Mono 8 |
| | MP | 4 MP |
| 3M | US2-AIMCBI-3M | COMPATIBLE |
| 5M | US226AIMCBI-5M | COMPATIBLE |
| 10M | FireNEX-uLINK-DS ⁽¹⁾ | COMPATIBLE |
| 12M | FireNEX-ULK-12M | COMPATIBLE |
| 16M | FireNEX-ULK-16M | COMPATIBLE |
| Testing Specification | | |
| | Transfer Rate During Test (fps) | 90 |
| | Resolution During Test (pixels) | 2048 x 2048 |

(1): FireNEX-uLINK-DS was set up using two 5 meters USB 3.0 cables with the Dongle in the middle of the PC and the camera.

Conclusion

With over 24 hours of comprehensive testing with USB 3.0 PCIe host cards from Fresco Logic, Renesas, and Asmedia and USB 3.0 host from Intel, Newnex US2-AIMCBI-3M , US2AIMCBI-5M, FireNEX-ULK-12M, FireNEX-ULK-16M, and FireNEX-uLINK-DS, demonstrated to be fully compatible with Toshiba Teli USB 3.0 cameras, Model# BU304M.