correlated
SOLUTIONS

Application Note

ATB-V Configurations for Baumer QX Series

VIC-3D

2026

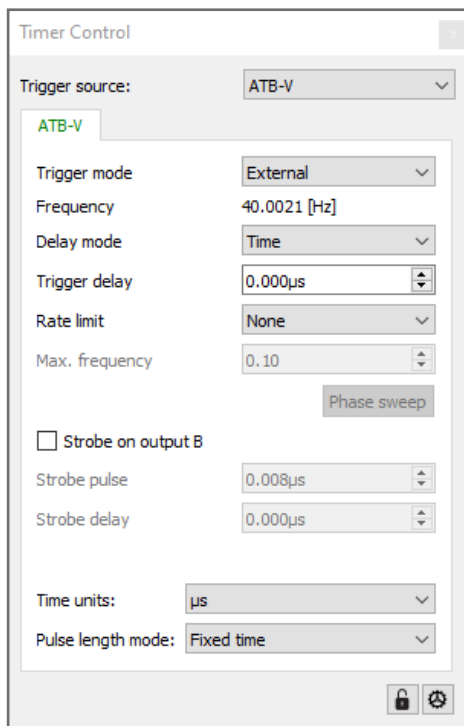# Baumer QX with ATB-V as Trigger Source

Timer Control

Trigger source:	ATB-V

ATB-V

Trigger mode	Internal
Frequency	40.00
☐ Strobe on output B	
Strobe pulse	0.008µs
Strobe delay	0.000µs
Min. strobe freq.	0.0
Time units:	µs
Pulse length mode:	Fixed time

USB to PC

To Baumer cameras

Power in

If you have any questions, comments, or concerns about using your DIC system, please contact our Support Team.

support@correlatedsolutions.com
1.803.926.7272
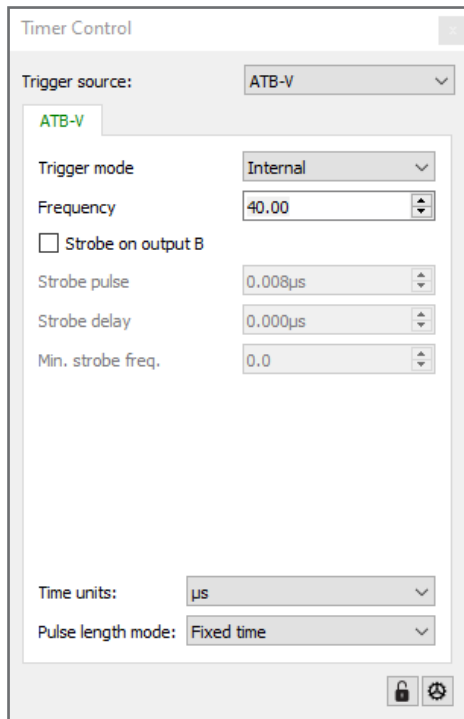
Baumer QX with External Trigger Source

External trigger signal   USB to PC

To Baumer cameras   Power in

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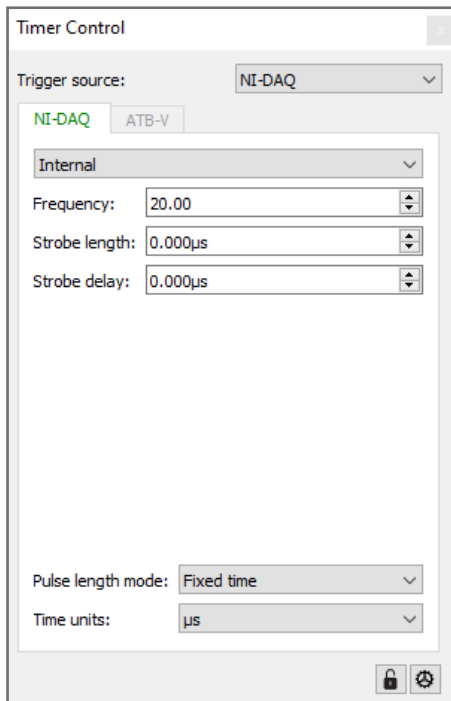
support@correlatedsolutions.com
1.803.926.7272

Baumer QX with CSI DAQ Trigger Output

USB to PC

CSI DAQ trigger output
to ATB-V Trig in

To Baumer cameras

Power in

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1.803.926.7272

4 Baumer QX Cameras with 2 ATB-V
(where ATB-V #1 is the trigger source)

Timer Control

Trigger source:	ATB-V

ATB-V | ATB-V (2)

Trigger mode	Internal
Frequency	5.00

☐ Strobe on output B

Strobe pulse	0.008μs
Strobe delay	0.000μs
Min. strobe freq.	0.0

Time units:	μs
Pulse length mode:	Fixed time
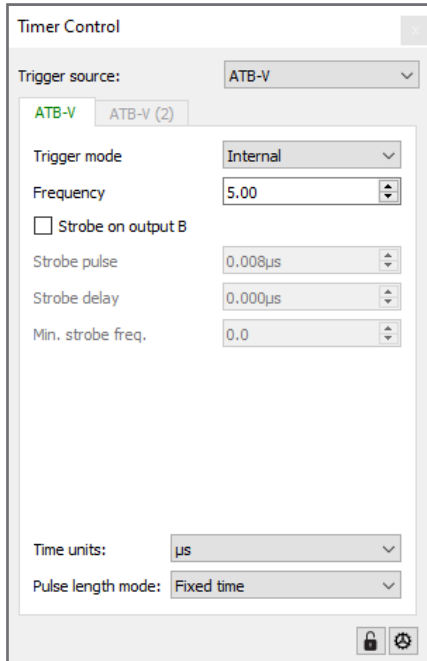
ATB-V #1

USB to PC

Out A from
ATB-V #1
to Trig In on
ATB-V #2

Power in

To Baumer cameras

ATB-V #2

USB to PC

Power in

To Baumer cameras

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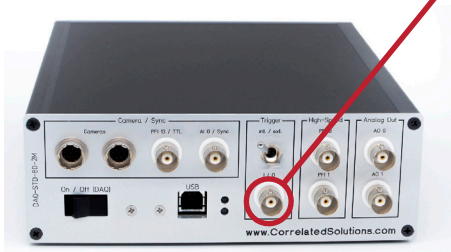
support@correlatedsolutions.com
1.803.926.7272

4 Baumer QX Cameras with 2 ATB-V
(CSI DAQ trigger output)

CSI DAQ trigger output

ATB-V #1

USB to PC

Power in

To Baumer cameras

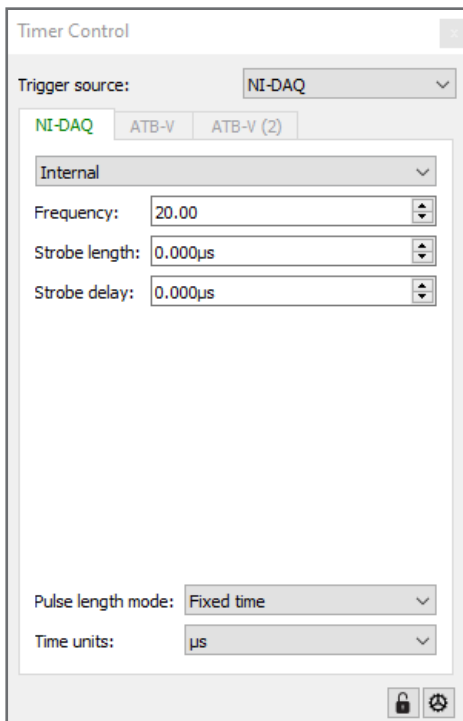Out A from
ATB-V #1
to Trig In on
ATB-V #2

ATB-V #2

USB to PC

Power in

To Baumer cameras

Timer Control

Trigger source: NI-DAQ

| NI-DAQ | ATB-V | ATB-V (2) |

Internal

Frequency: 20.00

Strobe length: 0.000μs

Strobe delay: 0.000μs

Pulse length mode: Fixed time

Time units: μs

Support

If you have any questions about this document or any other questions, comments, or concerns about our software, please contact us at support@correlatedsolutions.com, or visit our website at correlatedsolutions.com/support.

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