Engineering Design Team (EDT) - Certificate of Volatility

Model:	Part Numbers:	Address:
VisionLink F1, all variations VisionLink F4, all variations	019-14836-0X, 019-14836-1X, 019-14852-0X, 019-14852-1X, 019-14853-0X, 019-14853-1X, 019-14854-0X, 019-14854-1X, 019-14856-0X, 019-14856-1X, 019-14857-0X, 019-14857-1X, 019-15005-0X, 019-15005-1X, 019-15100-0X, 019-15100-1X, 019-15104-0X, 019-15104-1X, 019-15292-0X, 019-15292-1X, 019-15367-0X, 019-15367-1X	**Engineering Design Team, Inc.** 3423 NE John Olsen Avenue Hillsboro, OR 97124 U.S.A. +1-503-690-1234 or 1-800-435-4320

Volatile Memory

Does the device contain volatile memory (memory whose contents are lost when power is removed)?
☑ Yes ☐ No If yes, describe the type, size, function, and steps to clear the memory below

Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
MT41K64M16TW-107:J DDR3 SDRAM	1MBit	☑ Yes ☐ No	FIFO	Power off board
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
5CGTFD5C5U19C7N FPGA	N/A	☑ Yes ☐ No	Framegrabber	Power off board
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
MSP430G2553 microcontroller	512B	☐ Yes ☑ No	Status LED, IRIG-B, POCL	Power off board

Non-Volatile Memory

Does the device contain non-volatile memory (memory whose contents are retained when power is removed)?
☑ Yes ☐ No If yes, describe the type, size, function, and steps to clear the memory below

Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
MSP430G2553 microcontroller	16 KB	☐ Yes ☑ No	Status LED, IRIG-B, POCL	Contact EDT
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
SPI Flash N25Q064A13ESE40G **OR** MT25QL128ABA1ESE	64Mbit **OR** 128 Mbit	☑ Yes ☐ No	Configuration Memory	Contact EDT

Mass Storage

Does the device contain mass storage memory (Hard Disk Drive, Tape Backup)?
☐ Yes ☑ No If yes, describe the type, size, function, and steps to clear the memory below

Type (HDD, Tape, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
		☐ Yes ☐ No		

USB
Does the item accept USB input and if so, for what purpose (i.e. Print Jobs, device firmware updates, scan upload)? ☐ Yes ☑ No If yes, describe the type, size, function, and steps to clear the memory below
Can any data other than scan upload be sent to the USB device)? ☐ Yes ☑ No If yes, describe the type, size, function, and steps to clear the memory below

RF/RFID	
Does the item use RF or RFID for receive or transmit of any data including remote diagnostics (e.g. Cellular phone, Bluetooth)? ☐ Yes ☑ No If yes, describe the type, size, function, and steps to clear the memory below	
Purpose:	
Frequency:	Bandwidth:
Modulation:	Effective Radiate Power (ERP):
Specifications:	

Other Transmission Capabilities	
Does the device employ any other methods of non-wired access to transmit or receive any data whatsoever (e.g. anything other than standard hard wired TCP/IP, direct USB, or parallel connections)? ☐ Yes ☑ No If yes, describe below	
Frequency:	Bandwidth:
Modulation:	Effective Radiate Power (ERP):
Specifications:	

Other Capabilities
Does the device employ any other method of communications such as a Modem to transmit or receive any data whatsoever? ☑ Yes ☐ No If yes, describe below:
Device's primary purpose is to receive Camera Link format image data and transfer to computer memory via Direct Memory Access. Additionally, device is capable of transmitting and receiving command and control signals on the Camera Link connector CC lines, IRIG-B data on the IRIG-B connector (subset of part numbers with IRIG capability), and trigger signals (input and output) via the optocoupler pins.
Specifications:

Author Information			
Name	Title	Email	Department
Jeff Morgan	Hardware Engineer	jeff@edt.com	Eng
Date Prepared:			

2/6/2019

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VisionLink F1, all variations VisionLink F4, all variations	019-14836-2X, 019-14852-2X, 019-14853-2X, 019-14854-2X, 019-14856-2X, 019-14857-2X, 019-15005-2X, 019-15100-2X, 019-15104-2X, 019-15292-2X, 019-15367-2X	**Engineering Design Team, Inc.** 3423 NE John Olsen Avenue Hillsboro, OR 97124 U.S.A. +1-503-690-1234 or 1-800-435-4320

Volatile Memory

Does the device contain volatile memory (memory whose contents are lost when power is removed)?

☑ Yes ☐ No If yes, describe the type, size, function, and steps to clear the memory below

Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
5CGTFD5C5U19I7N FPGA	N/A	☑ Yes ☐ No	Framegrabber	Power off board
MSP430F2272IRHAT microcontroller	1KB	☐ Yes ☑ No	IRIG-B	Power off board
MSP430G2553 microcontroller	512B	☐ Yes ☑ No	Status LED, POCL	Power off board

Non-Volatile Memory

Does the device contain non-volatile memory (memory whose contents are retained when power is removed)?

☑ Yes ☐ No If yes, describe the type, size, function, and steps to clear the memory below

Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
MSP430F2272IRHAT microcontroller	32 KB	☐ Yes ☑ No	IRIG-B	Contact EDT
MSP430G2553 microcontroller	16 KB	☐ Yes ☑ No	Status LED, POCL	Contact EDT
SPI Flash N25Q064A13ESE40G **OR** MT25QL128ABA1ESE	64Mbit **OR** 128 Mbit	☑ Yes ☐ No	Configuration Memory	Contact EDT

Mass Storage

Does the device contain mass storage memory (Hard Disk Drive, Tape Backup)?

☐ Yes ☑ No If yes, describe the type, size, function, and steps to clear the memory below

Type (HDD, Tape, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
		☐ Yes ☐ No		

USB
Does the item accept USB input and if so, for what purpose (i.e. Print Jobs, device firmware updates, scan upload)? ☐ Yes ☑ No If yes, describe the type, size, function, and steps to clear the memory below
Can any data other than scan upload be sent to the USB device)? ☐ Yes ☑ No If yes, describe the type, size, function, and steps to clear the memory below

RF/RFID	
Does the item use RF or RFID for receive or transmit of any data including remote diagnostics (e.g. Cellular phone, Bluetooth)? ☐ Yes ☑ No If yes, describe the type, size, function, and steps to clear the memory below	
Purpose:	
Frequency:	Bandwidth:
Modulation:	Effective Radiate Power (ERP):
Specifications:	

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Specifications:

Author Information			
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Date Prepared:			

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