



Certificate of Frame Rate Accuracy

EQUIPMENT SERIAL NUMBER: 05-0317-1394

Certification Procedure:

The above camera design has been tested in accordance with the procedures and specifications for the equipment's functional accuracy. The results were analyzed using IDT's Sync Test and GPS.

Characteristics Checked: Frame rate accuracy @ 1000 fps Within $\pm .015\%$

Certification Results:

The above equipment for which this certificate has been issued complies with the above requirements.

Test Equipment:

The testing was carried out using standards and equipment that are subject to regular verification and are traceable to the National Institute of Standards and Technology.

InStock Wireless Components GPS Signal Splitter & IDT Sync Tester.

Allen Pinos
Calibrating Technician

3/28/17
Date of Verification

IDT, Inc. warrants the equipment for which this Certificate of Frame Rate Accuracy was issued for a period of one year from the date of system installation. It is recommended that the above listed processor be certified on an annual basis. Certification may be performed at the IDT factory in Pasadena, California or a designated Service Center.

Integrated Design Tools Inc, 1202 E. Park Ave, Tallahassee, FL 32301



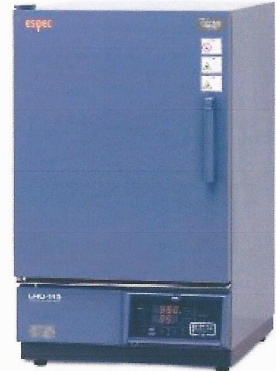
Environmental Chamber Test Certificate

EQUIPMENT SERIAL NUMBER: 05-0317-1394

Certification Procedure:

The above camera design has been tested in accordance with the procedures and specifications for the equipment's functional accuracy.

Characteristics Checked: Camera Image @ -30°C - 50°C



Certification Results:

The above equipment for which this certificate has been issued complies with the above requirements.

Test Equipment:

The testing was carried out using standards and equipment that are subject to regular verification and are traceable to the National Institute of Standards and Technology.

ESPEC, Model: LHU-113

Allen Pinos
Calibrating Technician

3/28/17
Date of Verification

IDT, Inc. warrants the equipment for which this Environmental Chamber Test Certificate was issued for a period of one year from the date of system installation. It is recommended that the camera be certified on an annual basis. Certification may be performed at the IDT factory in Pasadena, California or a designated Service Center.

Integrated Design Tools Inc, 1202 E. Park Ave, Tallahassee, FL 32301



Camera Impact Test Certificate

Technician: Allen Pinos

Performed: 3/28/2017 10:26 AM

Serial #: 05-0317-1394

Test Data:

The screenshot displays the Motion Studio interface for an NX8-S2 Camera. The main window shows a blurred image of the IDT logo. A 'Cameras Information' window is open, providing details about the device. Below the main window, an 'Analog In Live Data' window shows a waveform plot with a significant transient spike.

Cameras Information

NX8-S2 Camera - MotionXtra NX8-S2 (GigaBit)

Refresh Save...

Current Device Info

Link:

Description	Value
Link Type	GigaBit Ethernet
Camera MAC Address	00-25-16-00-46-10
Camera IP Address	[10.10.10.194]
Camera SubNet Mask	[255.255.255.0]
Adapter MAC Address	84-2B-2B-B7-CE-1E

Device:

Description	Value
Camera Name	NX8-S2 Camera
Serial Number	05-0317-1394
Model	NX8-S2
New Design (pipeline)	Yes
Color	No
Sensor Model	CMOS - Proprietary
HW Revision	6 (G)
Controller Firmware Version	188.185.0
Internal Clock Frequency	128.56 MHz

Analog In Live Data

Horizontal [ms/div]: Vertical [V/div]:
Fit to window Fit to window

Show data points. All channels

1 - Avg: 1.3 mV - STD: 59.3 mV

Data Idx:	Time:	Value(s):
0	0.000000	-0.042

Reset

Waveform plot showing a transient spike at approximately 0.000 seconds. The x-axis is labeled 'Time [ms]' and ranges from -160 to 620. The y-axis ranges from -160 to 200.

Ready X:1150 Y:0146 Pixel Value: 157 (9Dh) 10:26 AM 3/28/2017

Copyright (c) 2000-2009 IDT, Inc. - ALL RIGHTS RESERVED

<http://www.idtvision.com/>



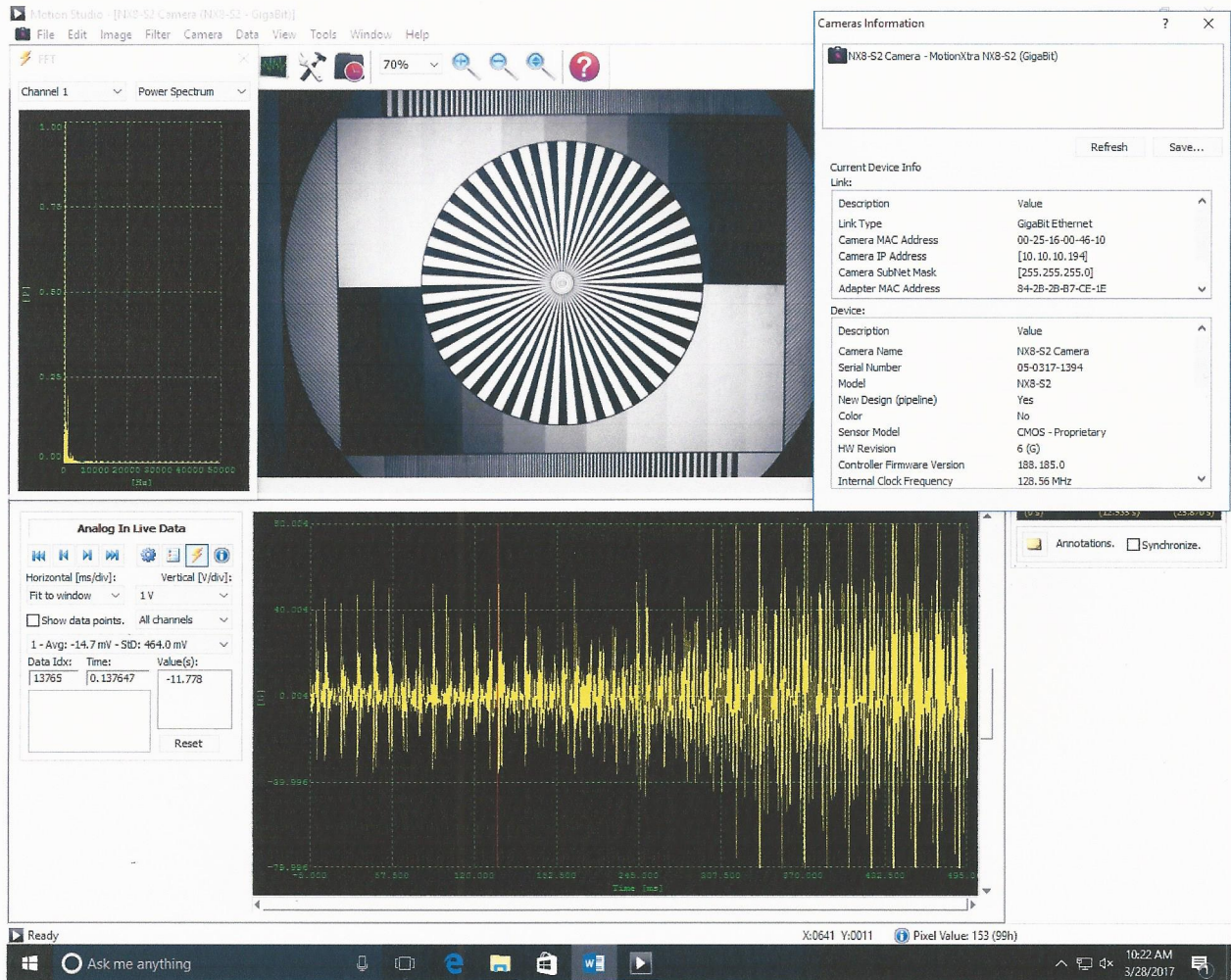
Camera Vibration Test Certificate

Technician: Allen Pinos

Performed: 3/28/2017 10:22 AM

Serial #: 05-0317-1394

Test Data:



Copyright (c) 2000-2009 IDT, Inc. - ALL RIGHTS RESERVED

<http://www.idtvision.com/>