

VZ-CSP

ViewZ Broadcast Monitor Color Calibration Manual

SOFTWARE AND INTERFACE CABLE INSTRUCTIONS



OPERATION MANUAL v1.1

April. 2015 by ViewZ USA











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ViewZ[®]
www.viewzusa.com

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Warning Statements

-  PRIOR TO THE INSTALLATION OF THIS PRODUCT, THE INSTALLATION INSTRUCTIONS MUST BE READ AND COMPLETELY UNDERSTOOD. KEEP THESE INSTALLATION INSTRUCTIONS IN AN EASILY ACCESSIBLE LOCATION FOR FUTURE REFERENCE.
-  Proper installation procedure by a qualified technician must be followed, as outlined in these installation instructions. Failure to do so could result in property damage, or operational failure.
-  Safety measures must be practiced at all times during the assembly and installation of this product. Use proper safety equipment and tools for the assembly procedure to prevent injury or product damage.
-  ViewZ USA does not warrant against damage caused by the use of any ViewZ USA product for purposes other than those for which it was designed. Damage caused by unauthorized use or modifications, 3rd party calibration programs or hardware.
-  Changes or modifications not expressly approved by ViewZ will void the warranty.
-  If the VZ-CSP interface cable does not securely attach to the device, the VZ-CSP program will not work correctly. Make sure you store the VZ-CSP software CD or Flash Memory and interface cables in a secure location.
-  Using replacement parts, software and other broadcast monitors, not authorized by ViewZ may void the warranty.
-  Be aware of the calibration environment. If using 3rd party interface cables with the VZ-CSP software, you may void the warranty or product may not work properly. If a ViewZ broadcast monitor gets damage caused by 3rd party interface cables or calibration programs, ViewZ releases responsibility.
-  Avoid contact with water, high humidity, fire or electronic shock during the installation and use of the VZ-CSP program
-  Contact ViewZ with any questions:
(888) 998-4399
techsupport@viewzusa.com

Calibration Software Package Info

This package is designed to calibrate all ViewZ Broadcast monitors using per-qualified calibrators.

- Part # VZ-CSP ViewZ Calibration Software Package

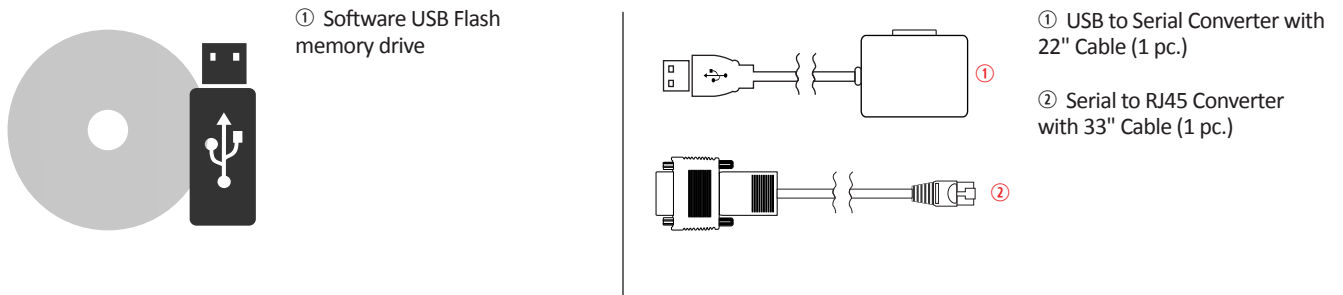
Compatible Calibrator List with VZ-CSP

The following calibrator is verified by ViewZ. Other calibrator may not work correctly.

- Part # x-rite i1 EODIS3
- Part # Klein Instrument K10-A

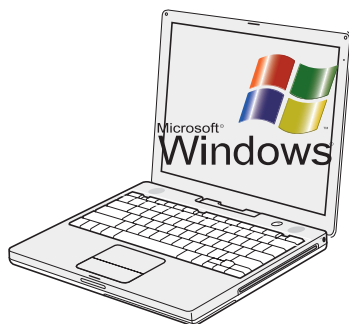
In the box

Your VZ-CSP product is shipped with an installation USB Drive and interface cable. If there are parts missing and/or damaged, please contact ViewZ USA at (888)-998-4399.

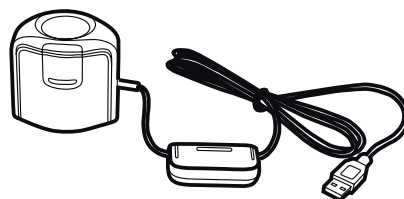


Required items for installation

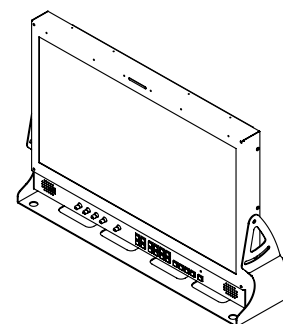
Your VZ-CSP product is only certified with the x-rite i1 or Klein Instrument K10-A, running Window 7 64 bit OS computer and ViewZ Broadcast Monitors.



Window 7 PC - 64bit



x-rite i1 or Klein Instrument K10-A



ViewZ Broadcast Monitor

Installation

Program Setup

- 1) VZ-CSP requires MS Framework 4.0.
- 2) If your computer does not have MS Framework 4 or above installed, please install a copy. A copy of MS Framework is included on Your CD
- 3) Require to Install MS Framework before installation VZ-CSP software.

To install MS Framework

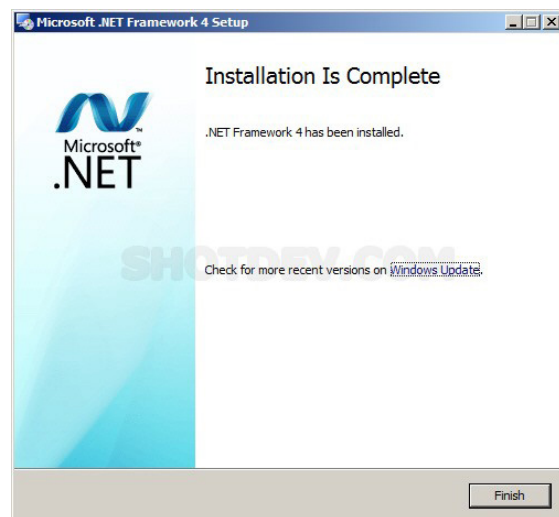
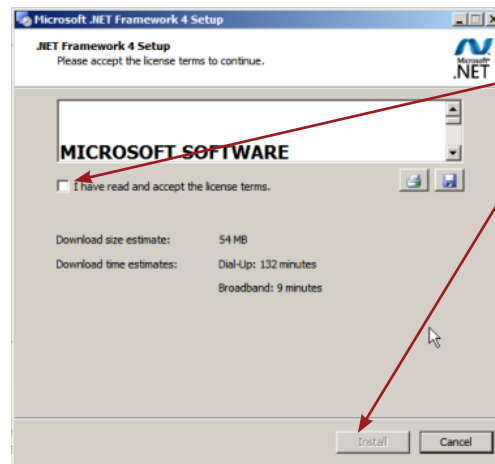
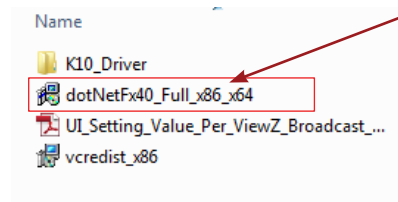
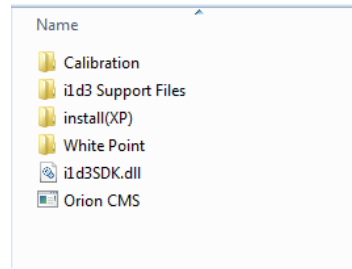
- 1) Open the 'Install(XP)' folder
- 2) Double click '**dotNetFx40_Full_x86_x64.exe**' to install MS Framework.



This software is for Windows PC only. If you need to install on MAC OS or have a problem installing this software, please contact ViewZ USA at (888)-998-4399 or contact a ViewZ authorized reseller.

Installation failure of MS Framework is usually caused by an unstable or limited PC function or resources.

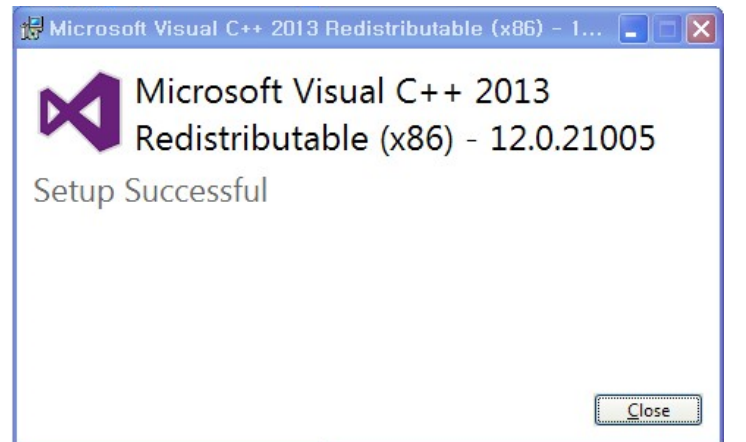
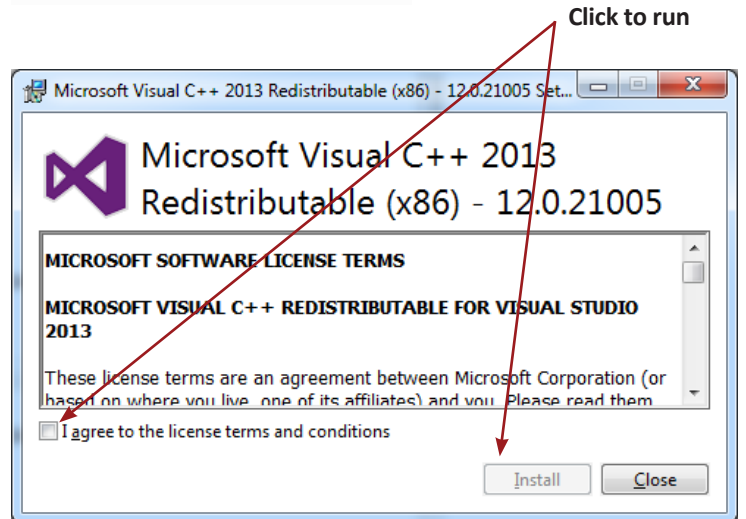
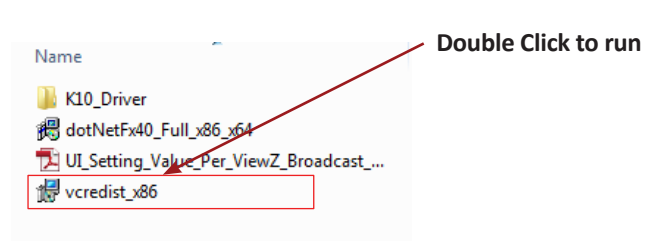
**Compatible with
Window OS 64bit**



Installation

Program Setup

- 1) Once your computer has Microsoft .NET Framework 4.0 installed. Now install the 'vcredist_x86.exe'.
- 2) Double click 'vcredist_x86.exe' file.
- 3) Follow install instructions.



This software is for Windows PC only. If you need to install on MAC OS or have a problem installing this software, please contact ViewZ USA at (888)-998-4399 or contact a ViewZ authorized reseller.

Installation failure of MS Framework is usually caused by an unstable or limited PC function or resources.

**Compatible with
Window OS 64bit**

Installation

Calibrator Connection

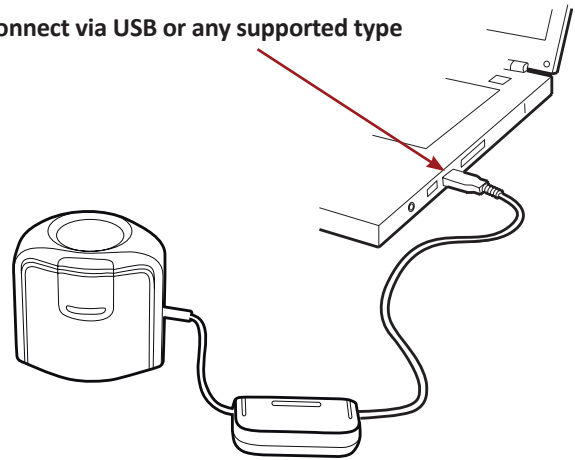
x-rite i1

1) Connect x-rite i1 or Klein Instrument K10-A to your PC

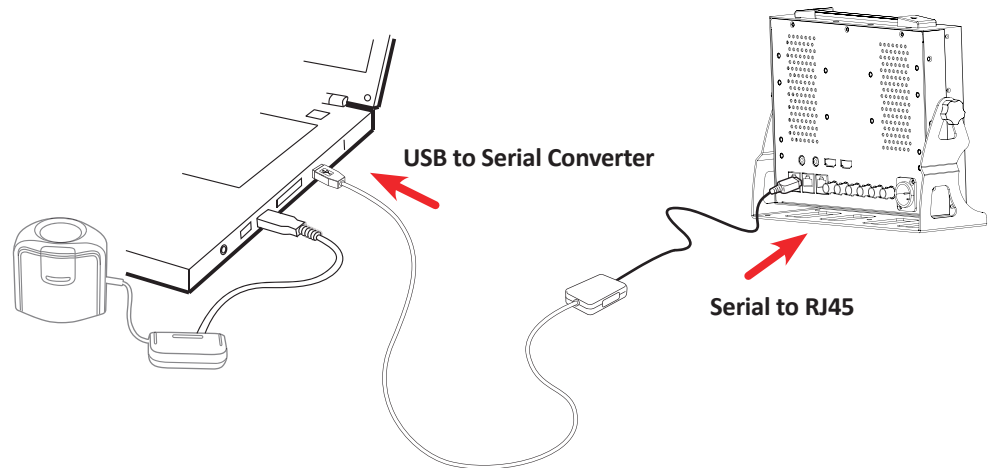


Do not turn on ViewZ Broadcast monitor until software and interface cables are fully installed.

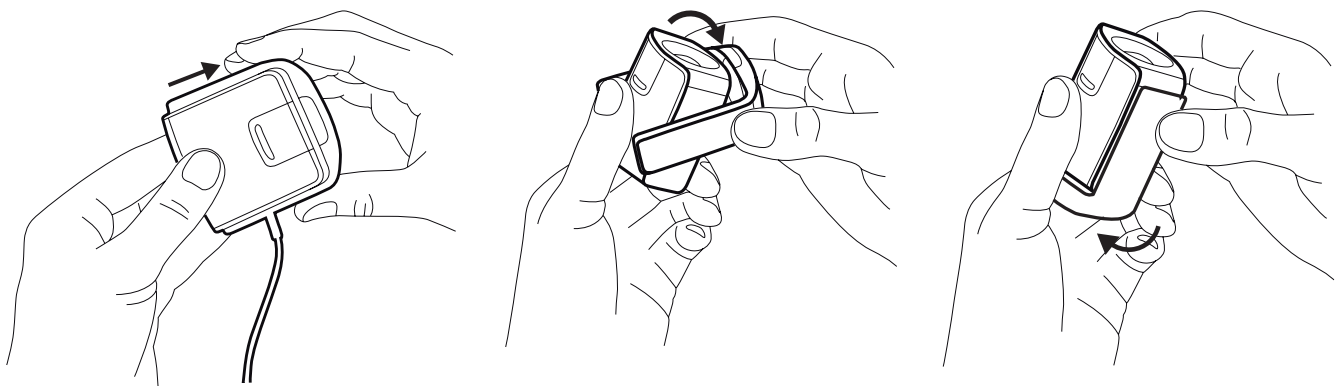
Connect via USB or any supported type



2) Connect VZ-CSP interface cable



3) Attach your x-rite i1 or Klein Instrument K10-A to your ViewZ Broadcast Monitor



Installation

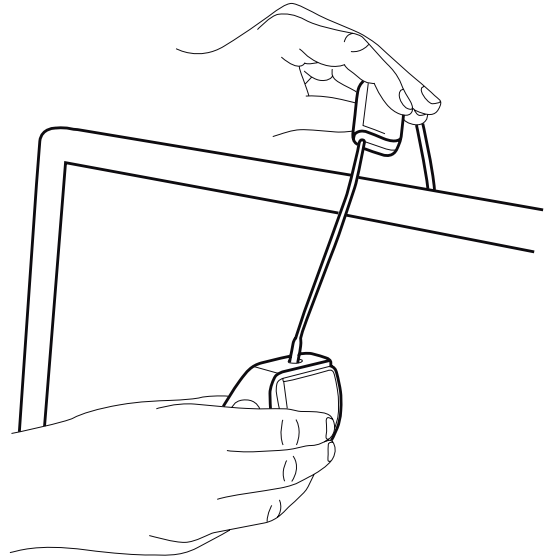
Calibrator Connection

x-rite i1

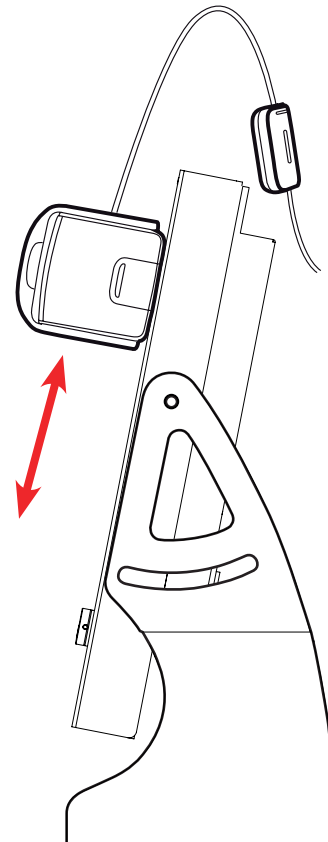
4) Follow the Color meter installation instructions.



Do not turn on ViewZ Broadcast monitor until you have completed the previous setup instructions.



5) Adjust the position of the counter weight according to the size of your display. Be sure the foam pad on the front of the device sits flat on your display.



Color Calibration

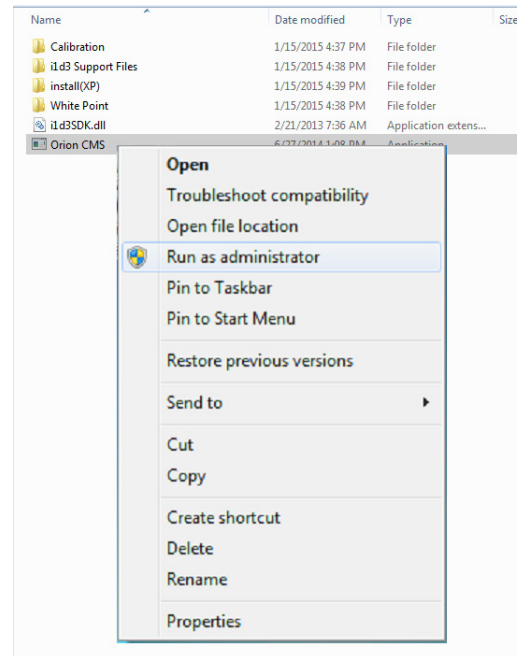
Calibration

x-rite i1

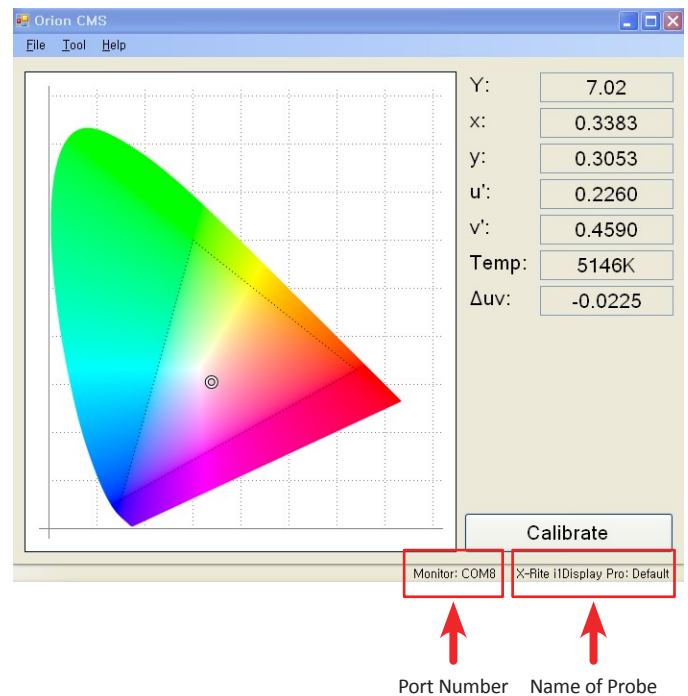
- 1) Open the CD or Flash Memory root folder, and run 'Orion CMS.exe' file as administrator.



Make sure all cables are firmly connected.



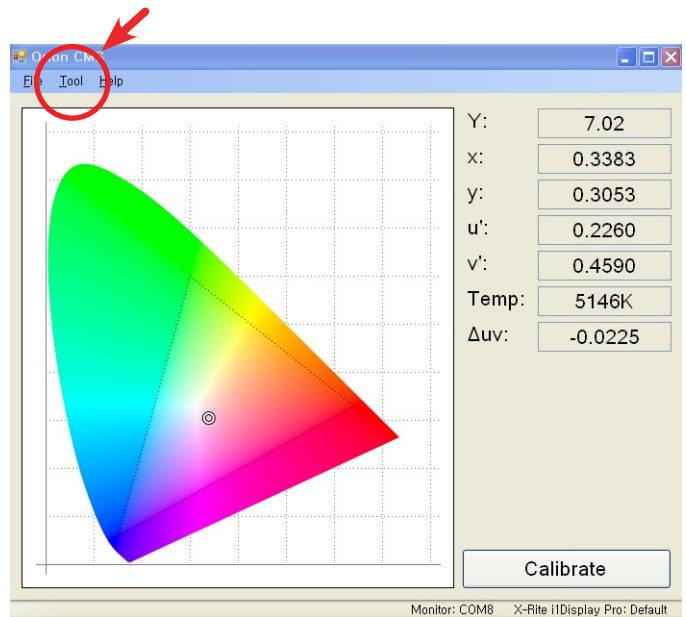
- 2) Port number is for ViewZ Monitor
Name of the probe connected to the monitor and computer



Color Calibration

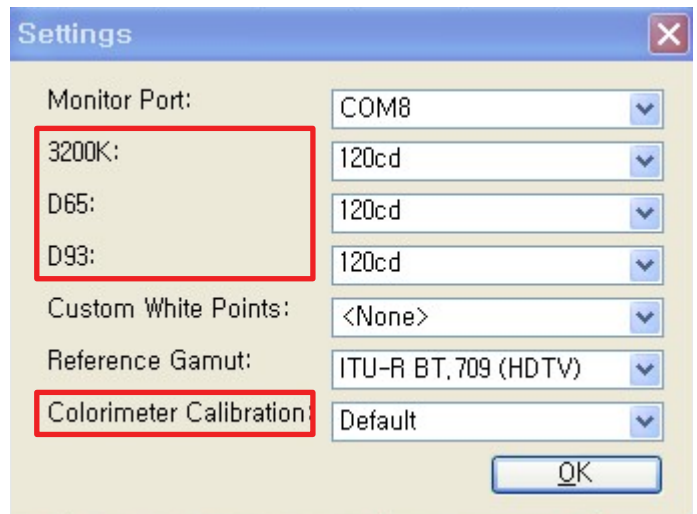
Calibration x-rite i1

3) Select 'Tool / Setting'



Always use the same brightness for 3200K, D65, D93 (refer to the table below)

Colorimeter Calibration values depends on the ViewZ Broadcasting Monitor model (refer to the table below)



ViewZ Model	Brightness Value	Colorimeter Calibration Name
VZ-215LED-SN	130cd	LM215WF4-TLG1
VZ-090PM-P / VZ-090RM-P	150cd	AA090AA01
VZ-185PM-P / VZ-185RM-P	110cd	LC185EXN
VZ-215PM-P	110cd	LM215WF3-SLC5
VZ-240PM-P	120cd	LM240WU8_SLD2
VZ-240PM-PL	120cd	LM240WU9SLA1
VZ-460PM-P	120cd	LT1460HN08

Color Calibration

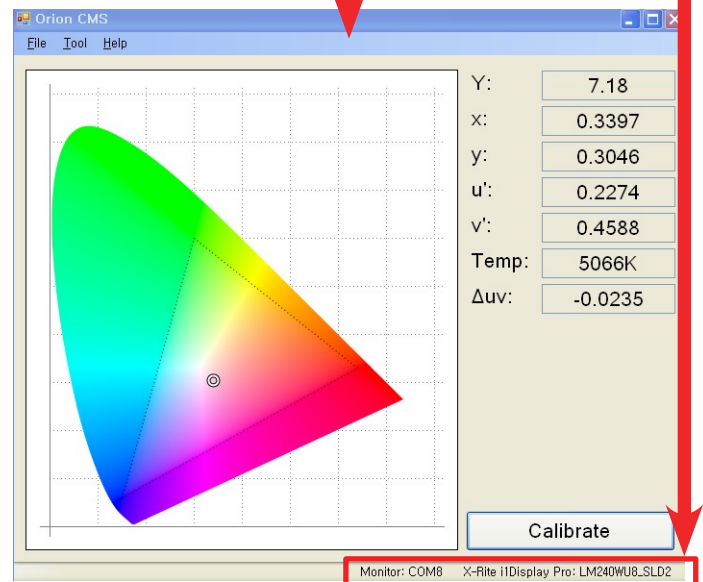
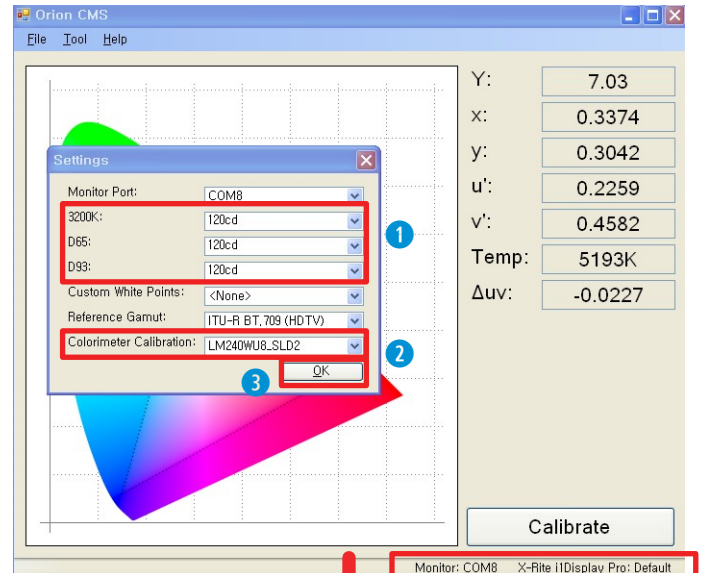
Calibration

x-rite i1



Below two pictures show program setup for **VZ-240PM-P model calibration**

1. Select **120cd** for **3200K, D65, and D90**
2. Select **LM240WU9SLA1** for Colorimeter Calibration. Then, press OK
3. When all items are selected the correct probe name will show colorimeter calibration name on right bottom corner. And Settings window will disappear.



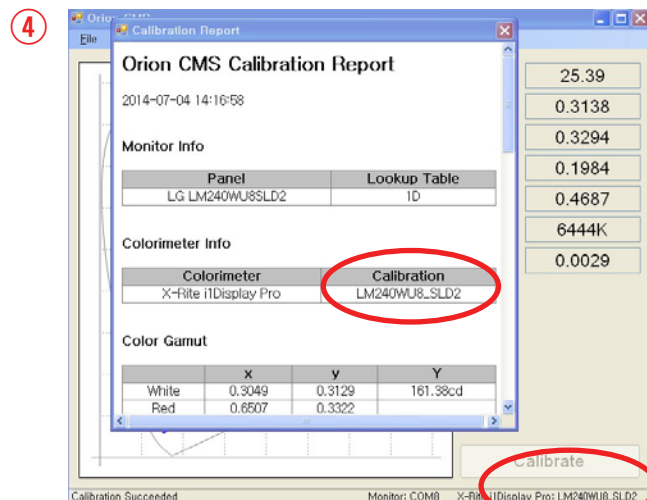
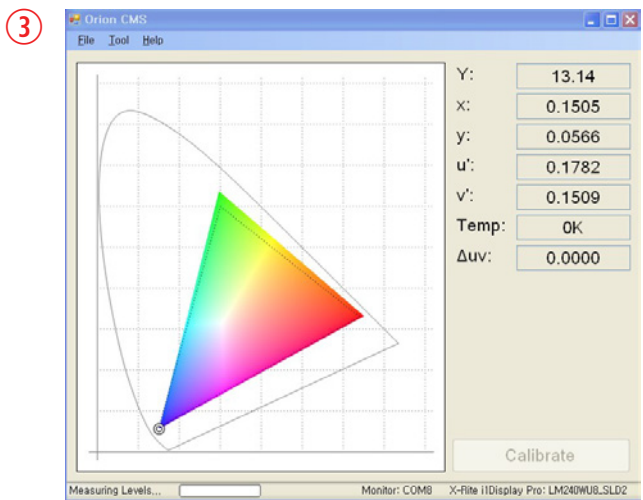
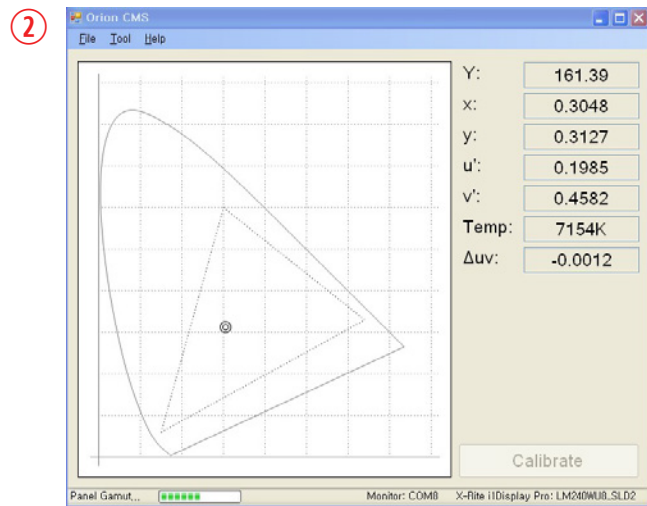
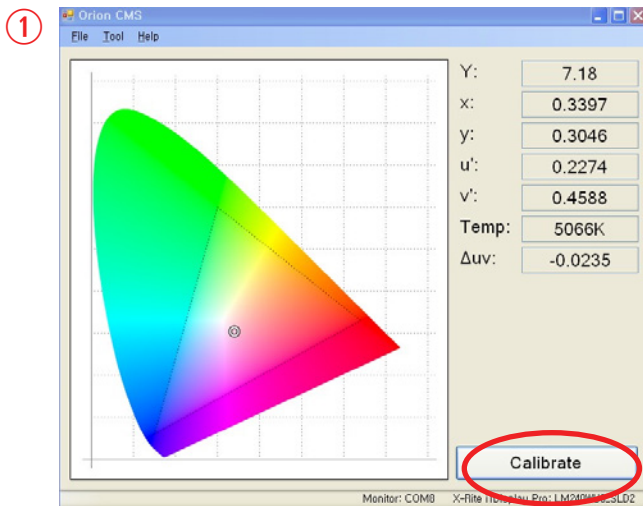
This indicator value is changing from 'Default' to 'selected Colorimeter'

Color Calibration

Calibration

x-rite i1

- 4) Click Calibrate button to start calibration.
Calibration report will pop up when it is complete.



Warranty

ViewZ USA LIMITED WARRANTY

What and Who is Covered by this Limited Warranty and for How Long

ViewZ USA warrants this product to be free from defects in material and workmanship for the original owner of this product. The limited warranty is valid only for the original purchaser of the product.

What ViewZ USA Will Do

At the sole option of ViewZ USA, ViewZ USA will repair or replace any product or product part that is defective. If ViewZ USA chooses to replace a defective product or part, a replacement product or part will be shipped to you at no charge, but you must pay any labor costs.

What is Not Covered; Limitations

ViewZ USA DISCLAIMS ANY LIABILITY FOR DAMAGE TO MOUNTS, ADAPTERS, DISPLAYS, PROJECTORS, OTHER PROPERTY, OR PERSONAL INJURY RESULTING, IN WHOLE OR IN PART, FROM IMPROPER INSTALLATION, MODIFICATION, USE ALTERNATIVE SOFTWARE, USE 3RD PARTY TOOLS, USE 3RD PARTY SOFTWARE, USE OR MISUSE OF ITS PRODUCTS.

ViewZ USA DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. ViewZ USA IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO, INABILITY TO USE ITS PRODUCTS OR LABOR COSTS FOR REMOVING AND REPLACING DEFECTIVE PRODUCTS OR PARTS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

What Customers Must Do for Limited Warranty Service

If you discover a problem that you think may be covered by the warranty you MUST REPORT it in writing to the address below within thirty (30) days. Proof of purchase (an original sales receipt) from the original consumer purchaser must accompany all warranty claims. Warranty claims must also include a description of the problem, the purchaser's name, address, and telephone number. General inquiries can be addressed to ViewZ USA Customer Service at 1-888-998-4399. Warranty claims will not be accepted over the phone or by fax.

ViewZ USA
Attn: Warranty Claim
177 W. Orangethorpe Ave.
Placentia, CA 92870

How State Law Applies

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Disclaimer

ViewZ USA intends to make this manual accurate and complete. However, ViewZ USA makes no claim that the information contained herein covers all details, conditions or variations, nor does it provide for every possible contingency in connection with the installation or use of this product. The information contained in this document is subject to change without notice or obligation of any kind. ViewZ USA makes no representation of warranty, expressed or implied, regarding the information contained herein. ViewZ USA assumes no responsibility for accuracy, completeness or sufficiency of the information contained in this document.

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