



# [Troubleshooting Guide] AOI\_Hang Issue in 9way KY-DLP

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2017.11.06

# Revision History

Date	Revision	Writer	Comments
2017.11.06	1.0	Cheolhwa Jin	First Edition

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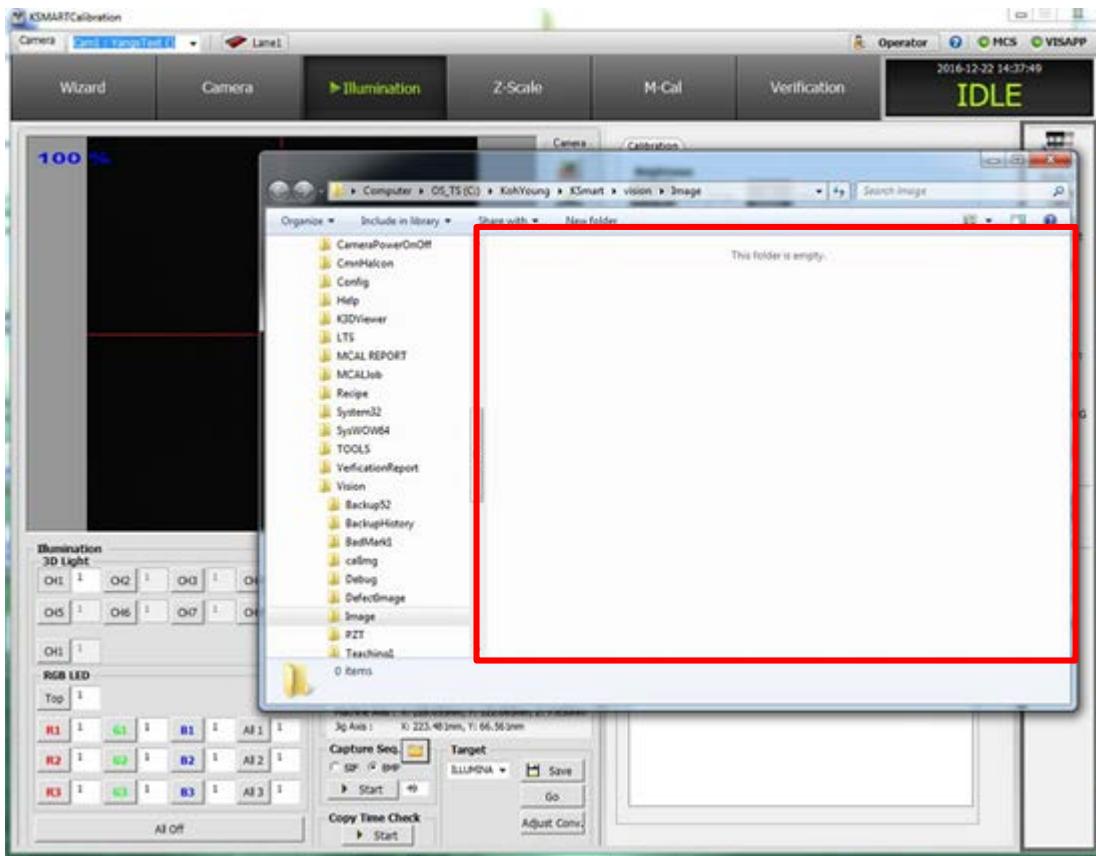
1. Overview
2. Hang Phenomenon of AOI 9way KY-DLP Machine & Cause
3. How to Check Hang Phenomenon
4. How to Solve
5. List of shipped machine with DLP USB cable connected
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# 1. Overview

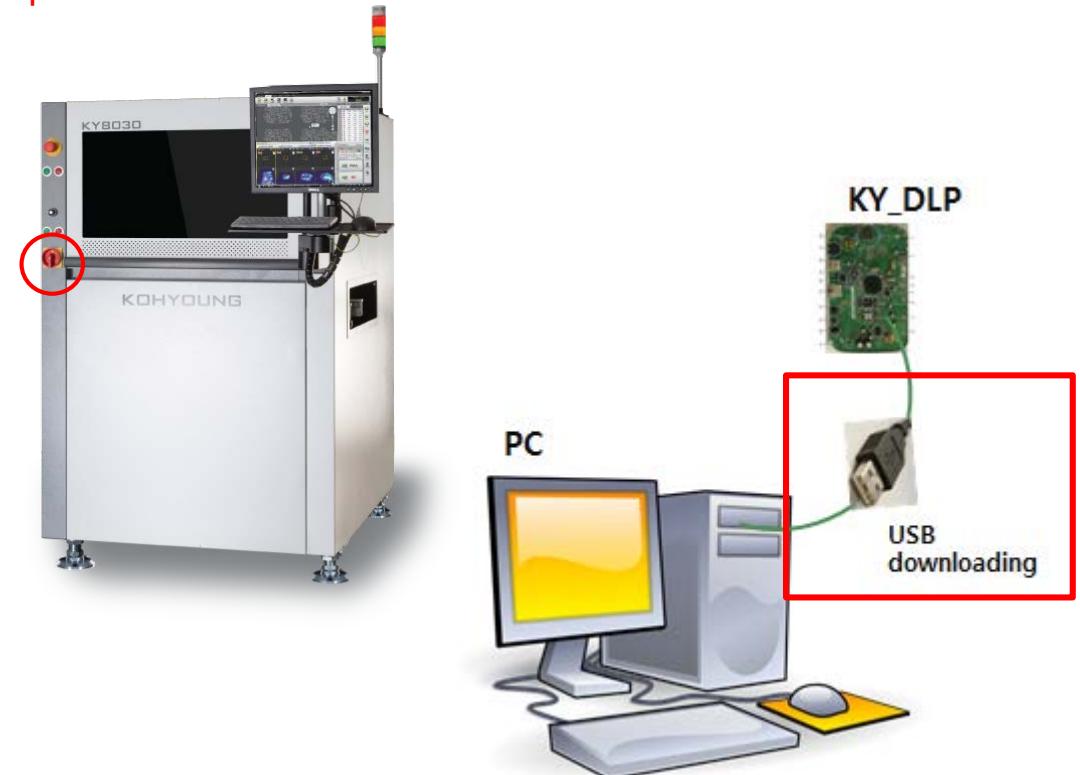
## ➤ Overview

This document describes the cause of a hang phenomenon in AOI 9way KY-DLP and how to solve it.

## 2. Hang Phenomenon of AOI 9way KY-DLP Machine & Cause



※ Cause: PC booted within 3 seconds after the main power is turned on

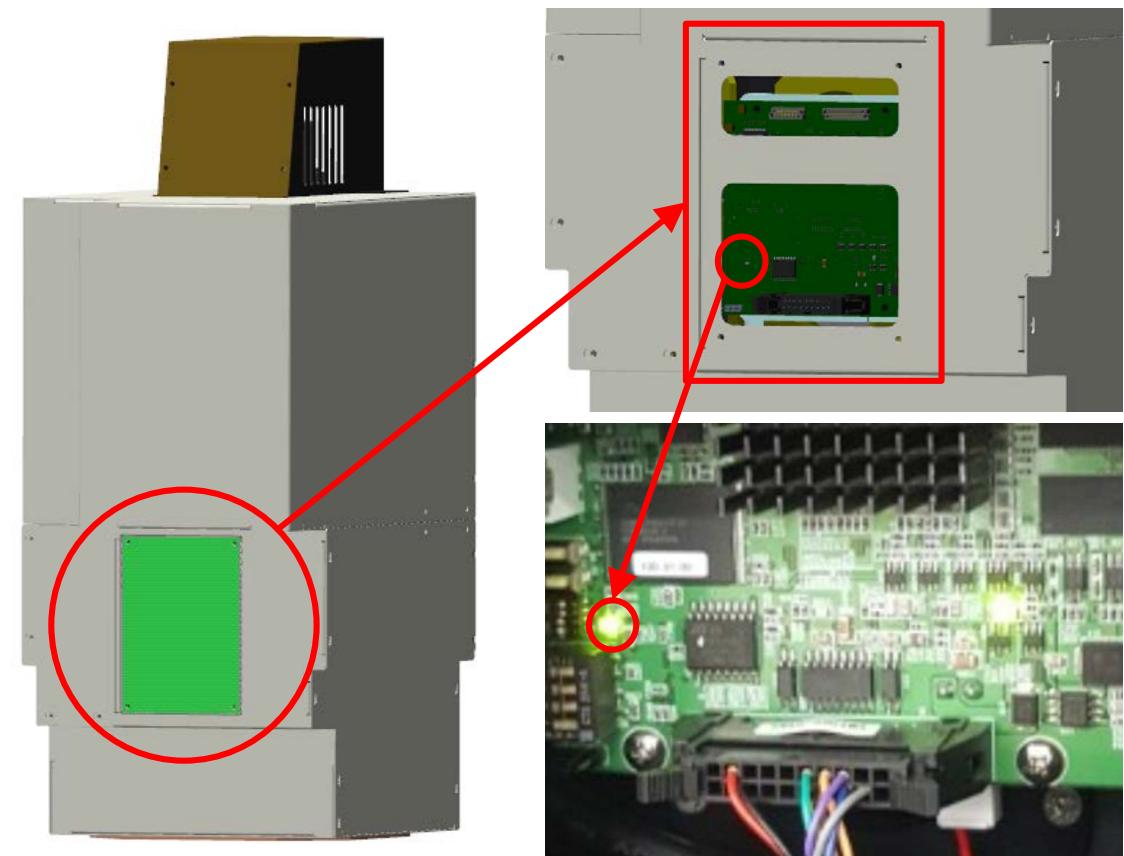
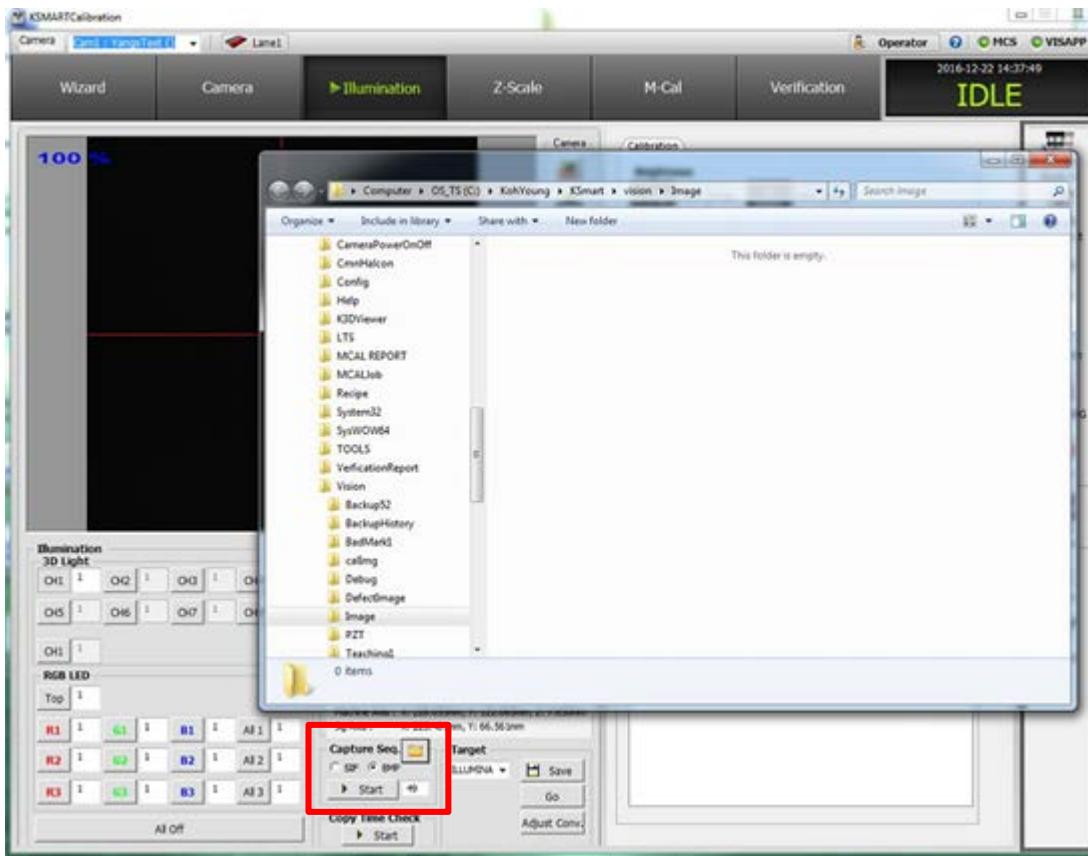


- Phenomenon: KY-DLP not capturing the image even though DLP USB Downloading Cable is connected

※ Note: Not applicable to KINEX DLP currently in use

- Cause: When the PC (Dell T7810) is booted within 3 seconds immediately after the main power is turned on, unidentified noise occurs through the DLP USB cable during the KY\_DLP Board initializing process

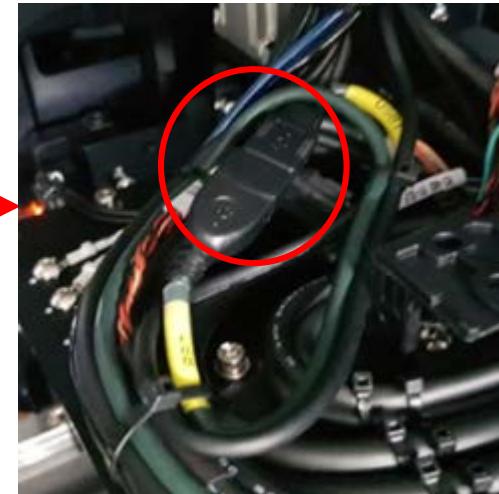
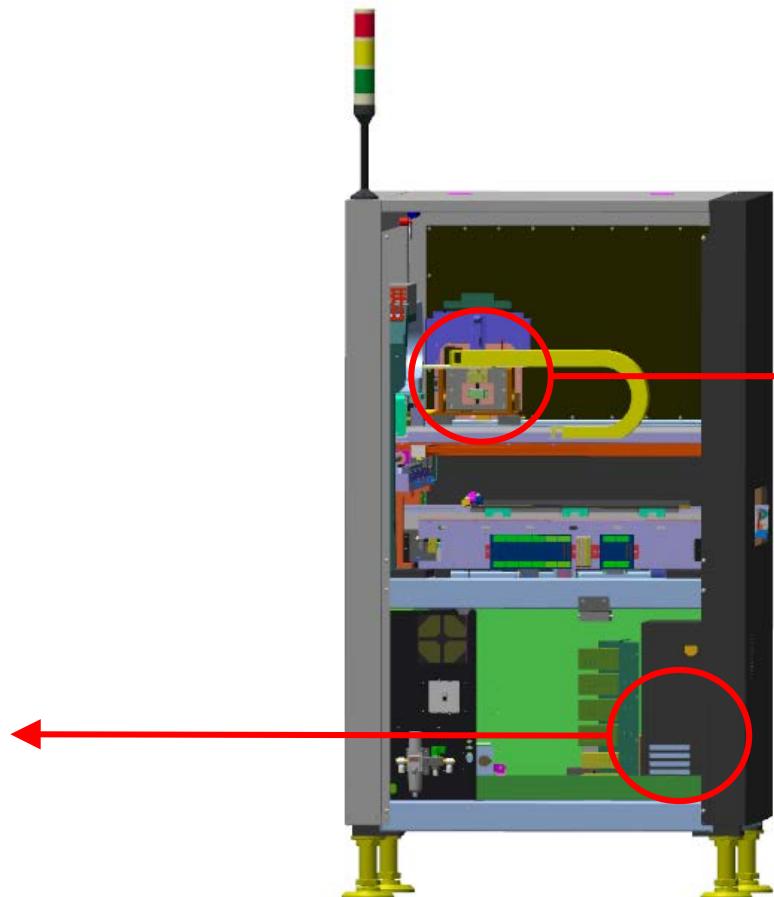
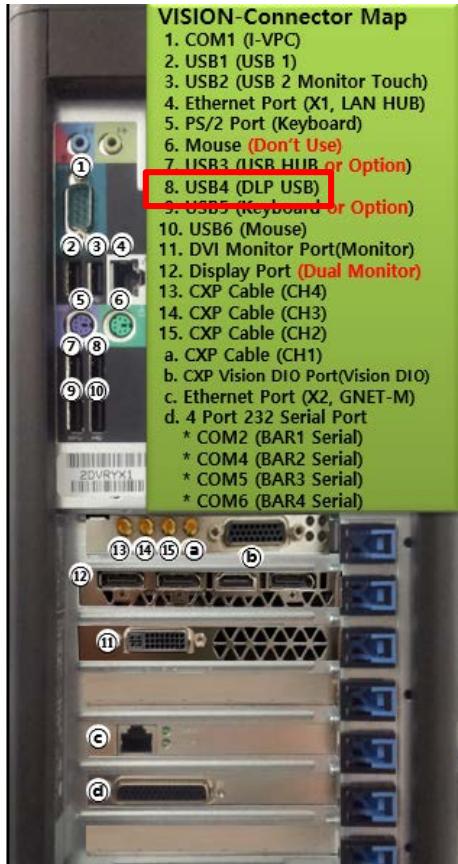
### 3. How to Check Hang Phenomenon



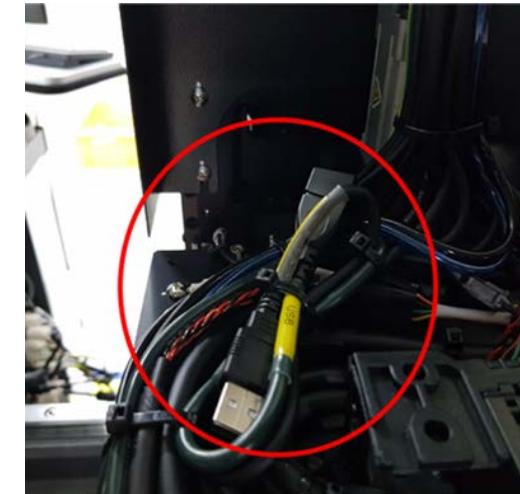
- By using S/W: When 49 Manual capture sequence is operated in KYCal (higher version than 1.1.0.X), 9ch mirror does not operate after driving only once.
- Normal condition: When operating 49 Manual capture sequence, captured images are saved at c:\KohYoung\KSmart\Vision\Image

- By using H/W: LED light is on steadily instead of blinking when checking KY\_DLP LED condition with naked eye after removing the head cover
- Normal condition- LED light is turned on for 3 seconds and starts blinking as the DLP power is turned on

## 4. How to Solve



<Before>  
Shipped with USB connected



<After>  
Shipped with USB disconnected

- What to do when the hang issue occurs
- Turn off the Main power, then disconnect the KY-DLP USB Cable located behind either the head or PC

※ Note: The cables are disconnected already for equipment after S1710010-1

- ※ Cautions
- Connect the USB to proceed if changing DLP pattern is necessary
  - Make sure to disconnect after using USB cable

## 5. List of shipped machine with DLP USB cable connected

**List of machine shipped before application of ECO-2017-048(KY-DLP5500 mass production)  
(Prior to S1710010-1)**

Division	Serial#	Tracking Number	Customer	Team (Customer)	Country (Customer)	Product
AOI	APSL0956	S1709169-1	PanasonicAutomotive_Reynos	Americas	Mexico	S-AOI-LT-CHP9-8M20
AOI	APSL00958	S1709168-1	PanasonicAutomotive_Reynos	Americas	Mexico	S-AOI-LT-CHP9-8M20
AOI	APSL00957	S1709167-1	PanasonicAutomotive_Reynos	Americas	Mexico	S-AOI-LT-CHP9-8M20
AOI	APEDL00007	S1709165-1	Denso_Takatana	Japan	Japan	S-AOI-DLD-CHP9-9M20
AOI	APSL00940	S1709100-1	KYE	Europe	BRD	S-AOI-LT-CHP9-8M20
AOI	APSL00939	S1709099-1	KYE	Europe	BRD	S-AOI-LT-CHP9-8M20
AOI	APDL00251	S1708185-1	PanasonicAutomotive_Monterre	Americas	Mexico	S-AOI-DLT-CHP9-8M20
AOI	APSL00923	S1708083-1	SEW_Bruchsal	Europe	Germany	S-AOI-LT-CHP9-8M15
AOI	APSL00922	S1708082-1	SEW_Bruchsal	Europe	Germany	S-AOI-LT-CHP9-8M15
AOI	APDM00007	S1708079-1	Siemens_Amberg	Europe	Germany	S-AOI-DMF-CHP9-8M20
AOI	APSL00925	S1708050-1	KYA	Americas	USA	S-AOI-LT-CHP9-8M20
AOI	APSL00924	S1708049-1	KYA	Americas	USA	S-AOI-LT-CHP9-8M20

## 6. Related Technical Documents

- **TS technical documents**
  - Google drive \ TS DB \ 10.Thchnical Team \ 01.HW \ 5.Setting Guide \ HW\_AOI\_9way DLP Control Board 관련(related)
- **ECO related documents**
  - \\10.10.1.247\eco\HW\2017 ECO\ECO-2017-048
  - \\10.10.1.247\eco\HW\2017 ECO\ECO-2017-050
  - \\10.10.1.247\eco\HW\2017 ECO\ECO-2017-067
  - \\10.10.1.247\eco\HW\2017 ECO\ECO-2017-078

# THANK YOU

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