

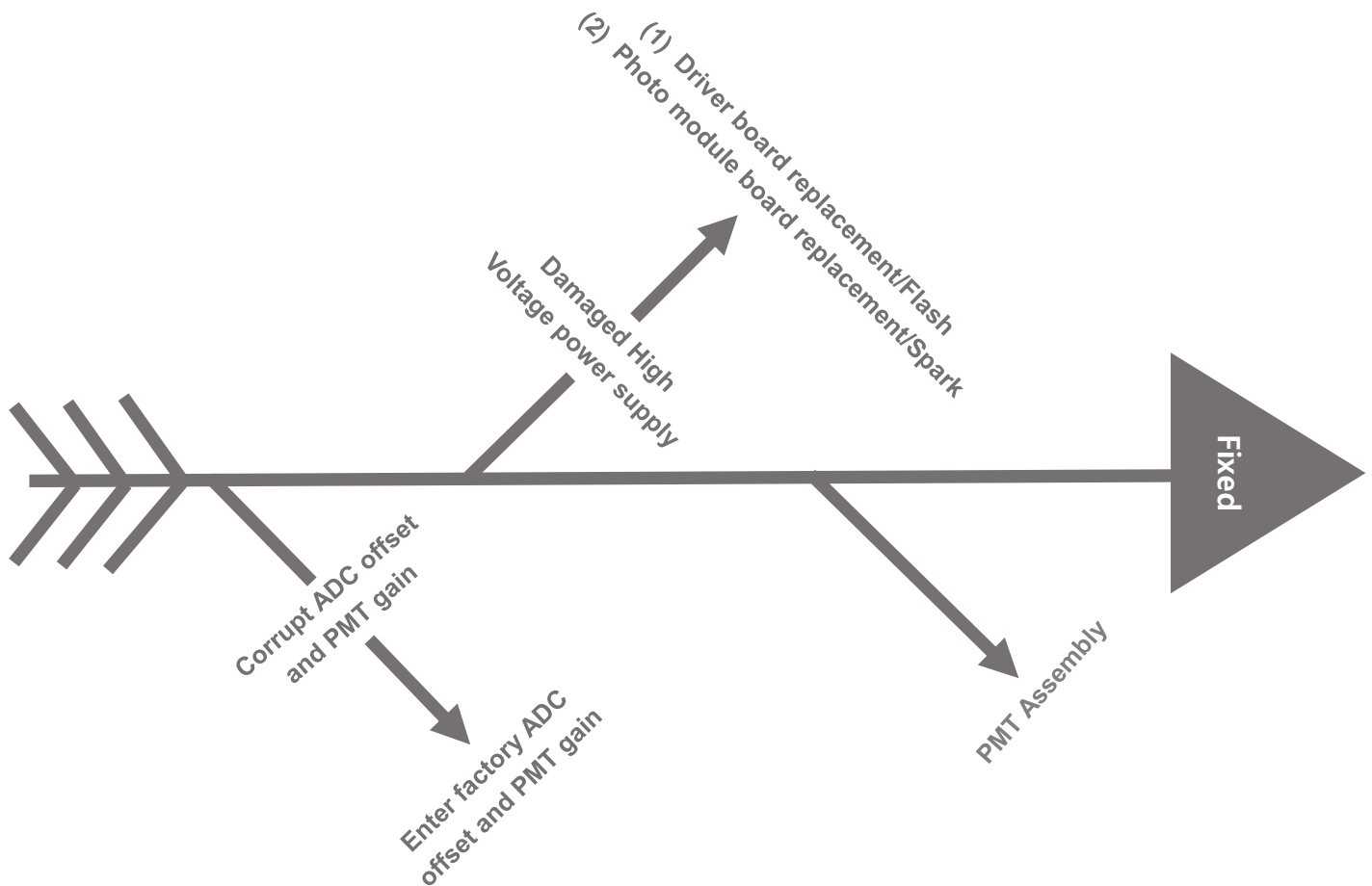
- **Model**

FireCR Flash AA
FireCR Flash AB
FireCR Flash AC
FireCR Flash AD / FireCR Spark

- **The Description of the Problem**

White images

- **Fishbone Diagram**



Check the PMT gain and ADC offset in the scanner

If PMT gain value is corrupt or 0, it can't amplify electric signal. It could cause the white images.

If PMT gain is corrupt or 0, please send an email to service1@digiray.co.kr

Readonly parameters		Editable parameters	
Model	FireCR Flash / Flash30	Resolution	100
H/W	1.0.0.1	PMT Gain	81
B/L	1.0.1.165	ADC Offset	0
APP	1.0.1.165	DHCP	No
PN	FR41-00DEAC-100200	IP address	192.168.1.36
MAC	8C:4B:59:41:02:B3	Subnet Mask	255.255.255.0
Mode	USB / WarmUp	Gate Way	192.168.1.1
Calibration	Table	LSavedPSD	7084
IP		RSavedPSD	7164
RPM	0.00	<input type="checkbox"/> Save PSD Location	
LPSD	-4 / -0.00024	<input type="checkbox"/> Edit parameters	
RPSD	+0 / +0.00000	Save Params	Auto Align
LPeak/RPeak	691882 / x	Stop Align	
Temperature(L/E)	27.6 / 22.1	<input type="checkbox"/> keyboard mode	
RFID	0	length	150
Gain(R)	81	power	6000
State	Idle	L +	R +
		L -	R -

Inspection Reset Scanner RPM Monitor

Stage
speed: High length: 580000 Forward Stop Backward Ready Pos

auto align
End: 4000 Left: -1100 fine stop Period: 20 waitM: 210 waitP: 12
Best Beam Right: -1100 coarse Gap: 200 SlowSpeed: 90

Erase On Erase Off Laser On Laser Off Align Calibrator: 60 Start Stop

PSD Calibrator LPSD Sample RPSD Sample Aligner aging test

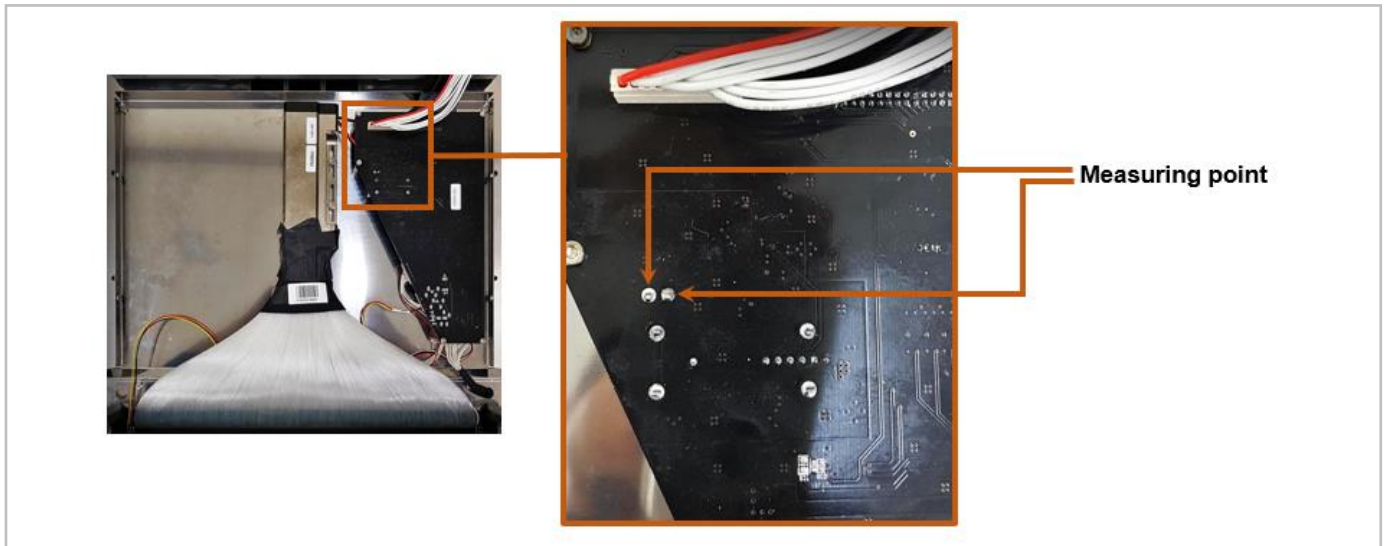
0x71 1 SetRegister 0x71 GetRegister

Measure the High voltage generator voltage

Measure the voltage DC on the driver board during scanning only for FireCR Flash

Measured voltage can be varied depending on the PMT gain value.

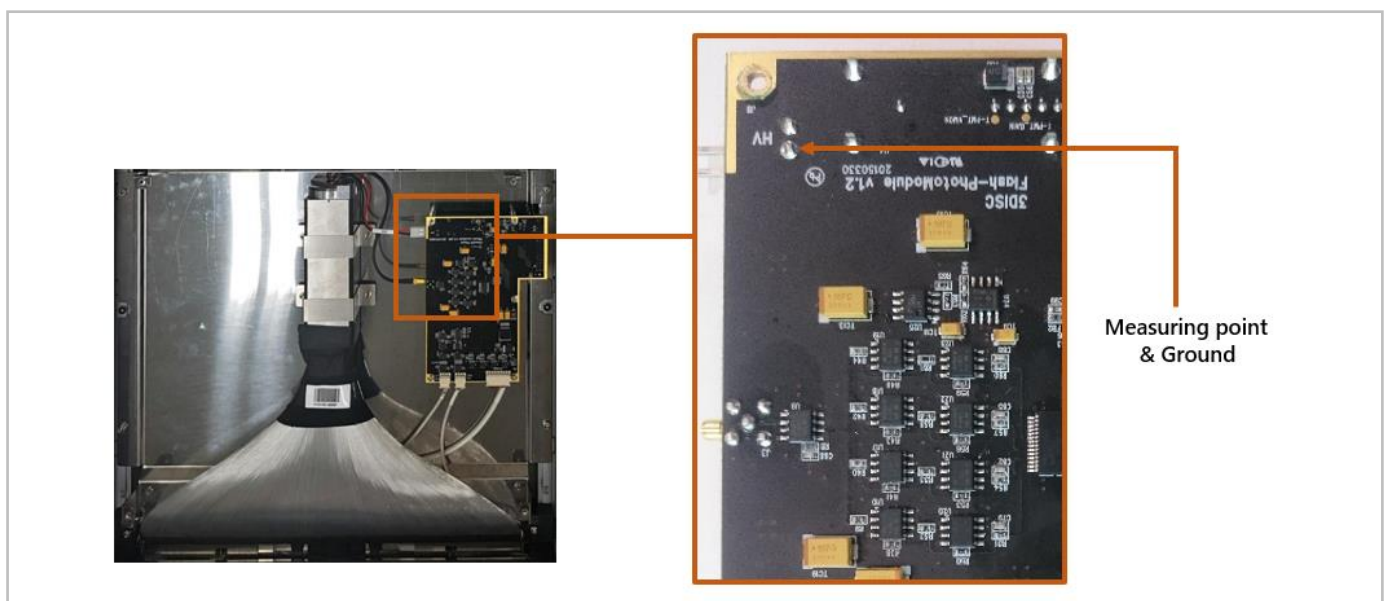
- Threshold: $-350 < \text{Measured voltage} < -550$



Measure the voltage DC on the photo module board during scanning only for FireCR Spark.

Measured voltage can be varied depending on the PMT gain value.

- Threshold: $-350 < \text{Measured voltage} < 550$



PMT assembly

Please refer to the FireCR Flash/Spark service manual for PMT replacement.

