

Number of SubVIs defined	4	Available in the functions palette
Number of controls defined	1	Available in the controls palette
Report generation version	v1.0.3.7	
Current revision number	3	
Last revision date	18-02-2019	
Current revision date	27-02-2019	

Inputs

Sl.No	Input name	Input type	Input functionality details	Input requirements
I	Dynamic report parameters	Cluster (typedef) [Cluster containing 3		
1	Dynamic report parameters	Cluster (typedef) [Cluster containing 11 elements]		
1.1	Part name	String	Fill in the Part name in the header of the part / batch report	Recommended
1.1	Batch ID	String	Fill in the Batch ID in the section 1 of the batch report	Recommended
1.2	ReportType	String	Decide the report template to be chosen to generate the PDF	Recommended
1.3	Operator name	String	Fill in the Operator name in the section 1 of the report	Recommended
1.4	Job number	String	Fill in the System name in the section 1 of the report	Recommended
1.5	Measurement Date and Time	String	Fill in the Measurement date and time in the section 1 of the report	Recommended
1.6	Report name prefix	String	Fill in the Location in the section 1 of the report	Recommended
1.7	Inspection status	String	Fill in the Job number in the section 1 of the report	Recommended
2	Bookmarks	Array of Clusters [Cluster containing 2 elements]		

2.1	Bookmark key	Image	-	-
2.2	Bookmark value	Filepath	-	-
3	Image parameters	Array of Clusters [Cluster containing 2 elements]		
3.1	Image ID	String	-	-
3.2	Image	LabVIEW image	Image to be displayed on the batch / part report	Required
4	Table parameters	Cluster containing 3 elements		
4.1	Table ID	String	-	-
4.2	Number of rows	U32	-	-
4.3	Table details	2D Array	Table details based on the report requirements	-
II	ZenReport private data	Cluster (typedef) [Cluster containing 3 elements]	The private data maintained by ZenReport module	Required
III	Printer name	String	The printer name that is considered first for printing the generated PDF	Recommended
IV	ZenReport configuration filepath	Filepath	Provides the filepath to load the configuration into the ZenReport module	

Ouputs				
Sl.No	Output name	Output type	Output functionality	Relate
1	Detailed error out	String	Standard error cluster	Generate PDF
2	Error out	Standard error cluster	User - defined error codes and details are populated	Generate PDF
3	Report private data	Cluster (typedef) [Cluste	Report generation private data with the same structure as the input but with the modified data	Generate PDF

Note :

1. All the data at input must be passed on through all the cases of the parent application as some of the data is changed during the execution of the report generation.
2. The output PDF filepath can be specified from the input. If not provided at the input, it can be taken out at the output and used for opening the output PDF report.
3. The order of precedence / override for the intake of the variables is as follows :
 - i. Dynamic inputs
 - ii. Configuration file
 - iii. Default values

[illegible]

Generate PDF
/ Print report

Print report

Create report

nd VI
/ Print report
/ Print report
/ Print report

n Vls.