DMVAL: Video Analytics Algorithms

Version 01.00.00

Release Notes

JULY 2013

Build ID: 01.00.00.03

The release note is divided into the following sections:

- New In This Release
- Validation Information
- Fixed In This Release
- Known Issues/Limitations

New In This Release

- Code Generation tool and other tools migration
- Accuracy improvements for TZ, IMD and SMETA algorithms

Validation Information

Release Configuration	Description	Validation Platform
dmval_001	DMVAL Video Algorithms, which runs on DMVA3	DMVA3 based IPNC camera [Datasheet][User Guide]

This release is validated on DMVA3 based IPNC camera using the following components.

Code Generation Tool version TMS470 5.0.5

- IPC: 1.25.03.15

- EDMA3: 02.11.06.01

- BIOS: 6.35.03.47

- XDIAS: 7.24.00.04

- XDC: 3.25.01.65

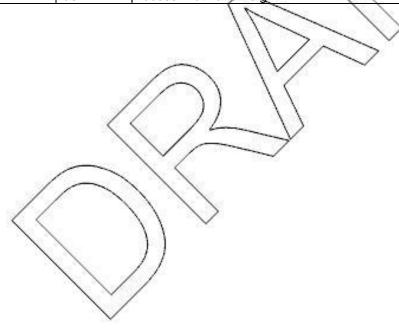
- HDVPSS: 01.00.01.37



Defect ID	Description	Applicable Release Configuration
SDOCM00102884	Accuracy improvement for TZ,IMD and SMETA algorithms	dmval_001

Known Issues/Limitations

Defect ID	Description	Applicable
		Release
		Configuration
SDOCM00093933	Dynamic change in resolution is not supported. Currently this	dmval 001
	feature has been implemented for tamper algorithm only. For rest	
	of the algorithms DMVAL create width and height should be same	
	as DMVAL process width and height	



Version 01.00.00

Release Notes

MARCH 2013

Build ID: 01.00.00.02

The release note is divided into the following sections:

- New In This Release
- Validation Information
- Fixed In This Release
- Known Issues/Limitations

New In This Release

· Code Generation tool and other tools migration

Validation Information

Release Configuration	Description	Validation Platform
dmval_ 001	DMVAL Video Algorithms, which runs on DMVA3	DMVA3 based IPNC camera [Datasheet][User Guide]

This release is validated on DMVA3 based IPNC camera using the following components.

Code Generation Tool version TMS470 5.0.3

- IPC: 1.25.01.09

EDMA3: 02.11.06.01

- BIOS: 6.34.04.22

- XDIAS: 7.23.00.06

- XDC: 3.24.06.63

- HDVPSS: 01.00.01.37

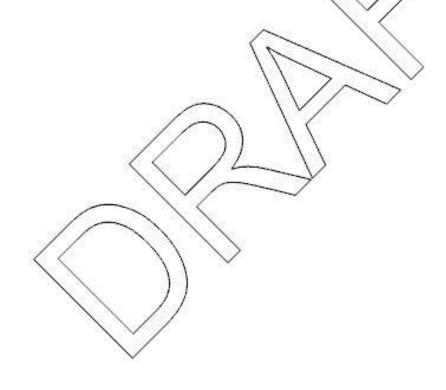
- ISS: 03. 20. 00. 00



Defect ID	Description	Applicable Release Configuration
SDOCM00099755	CG tool and other tools migration	dmval_001

Known Issues/Limitations

Defect ID	Description	Applicable Release Configuration
SDOCM00093933	Dynamic change in resolution is not supported. Currently this feature has been implemented for tamper algorithm only. For rest of the algorithms DMVAL create width and height should be same as DMVAL process width and height	dmval_001



Version 01.00.00

Release Notes

FEBRUARY 2013

Build ID: 01.00.00.00

The release note is divided into the following sections:

- New In This Release
- Validation Information
- Fixed In This Release
- Known Issues/Limitations

New In This Release

GA release of DMVAL algorithm for DMVA3/4 with bug fixes

Validation Information

Release Configuration	Description	Validation Platform
dmval_ 001	DMVAL Video Algorithms, which runs on DMVA3	DMVA3 based IPNC camera [Datasheet][User Guide]

This release is validated on DMVA3 based IPNC camera using the following components.

Code Generation Tool version TMS470 4.9.7

- IPC: 1.24.03.32

EDMA3: 02.11.06.01

- BIOS: 6.33.05.46

- XDIAS: 7.23.00.06

- XDC: 3.24.03.33

- HDVPSS: 01.00.01.37

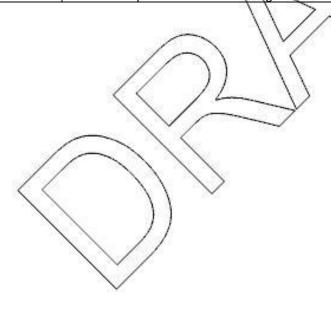
- ISS: 03. 20. 00. 00



Defect ID	Description	Applicable Release Configuration
SDOCM00098051	In trip zone and object counting algorithm data access might dmval_happen outside the range of input buffer	
SDOCM00098056	Trip Zone: Object moving in different direction might get treated as a single object by algorithm	dmval_001
SDOCM00099005	Optimize the MHz required by TZ and OC algorithm	dmval_001
SDOCM00099127	OC algorithm is not reporting events	dmval_001
SDOCM00099074	DMVA for DMVA3 has memory leak during process call	dmval_001

Known Issues/Limitations

Defect ID	Description	Applicable Release Configuration
SDOCM00093933	Dynamic change in resolution is not supported. Currently this feature has been implemented for tamper algorithm only. For rest of the algorithms DMVAL create width and height should be same as DMVAL process width and height	dmval_001



Version 00.02.00

Release Notes

NOVEMBER 2012

Build ID: 00.02.00.00

The release note is divided into the following sections:

- New In This Release
- Validation Information
- Fixed In This Release
- Known Issues/Limitations

New In This Release

Beta release of DMVAL algorithms with performance optimization

Validation Information

Release Configuration	Description	Validation Platform
dmval_ 001	DMVAL Video Algorithms, which runs on DMVA3	DMVA3 based IPNC camera [Datasheet][User Guide]

This release is validated on DMVA3 based IPNC camera using the following components.

Code Generation Tool version TMS470 4.9.5

- IPC: 1.24.03.32

EDMA3: 02.11.02.04

- BIOS: 6.33.05.46

- XDIAS: 7.22.00.03

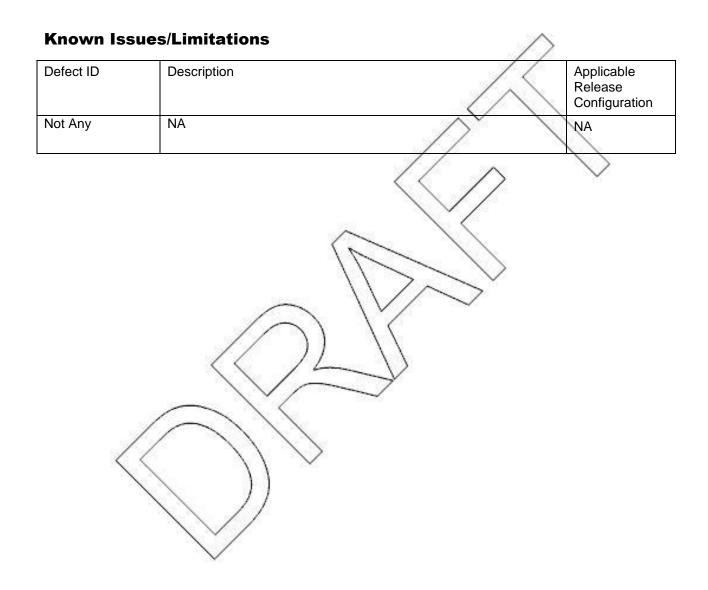
- XDC: 3.23.03.53

HDVPSS: 01.00.01.37

- ISS: 03. 20. 00. 00



Defect ID	Description	Applicable Release Configuration
Not Any	NA	NA



Version 00.01.00

Release Notes

OCTOBER 2012

Build ID: 00.01.00.00

The release note is divided into the following sections:

- New In This Release
- Validation Information
- Fixed In This Release
- Known Issues/Limitations

New In This Release

- First release of DMVAL supporting following algorithms
 - Intelligent motion detection
 - Object counting
 - Trip Zone
 - Camera tamper detection
 - Streaming meta data information

Validation Information

Release Configuration	Description	Validation Platform
dmval_001	DMVAL Video Algorithms, which runs on DMVA3	DMVA3 based IPNC camera [Datasheet][User Guide]

This release is validated on DMVA3 based IPNC camera using the following components.

Code Generation Tool version TMS470 4.9.5

- IPC: 1.24.03.32

- EDMA3: 02.11.02.04

- BIOS: 6.33.05.46

- XDIAS: 7.22.00.03

- XDC: 3.23.03.53



- HDVPSS: 01.00.01.37

- ISS: 03. 20. 00. 00

Fixed In This Release

Not Any NA Known Issues/Lin Defect ID Desc Not Any NA		Applicable Release Configuration
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Not Any NA	otion	Applicable Release Configuration
		NA