

# 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 <a href="#">[Datasheet]</a> <a href="#">[User Guide]</a>

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

### Fixed In This Release

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 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

### 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 <a href="#">[Datasheet]</a> <a href="#">[User Guide]</a>

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

## Fixed In This Release

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 <a href="#">[Datasheet]</a> <a href="#">[User Guide]</a>

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

## Fixed In This Release

Defect ID	Description	Applicable Release Configuration
SDOCM00098051	In trip zone and object counting algorithm data access might happen outside the range of input buffer	dmval_001
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 <a href="#">[Datasheet]</a> <a href="#">[User Guide]</a>

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

Defect ID	Description	Applicable Release Configuration
Not Any	NA	NA

## Known Issues/Limitations

Defect ID	Description	Applicable Release Configuration
Not Any	NA	NA

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# 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 <a href="#">[Datasheet]</a> <a href="#">[User Guide]</a>

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

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- XDIAS : 7.22.00.03
- XDC : 3.23.03.53

- HDVPSS : 01.00.01.37
- ISS: 03. 20. 00. 00

### Fixed In This Release

Defect ID	Description	Applicable Release Configuration
Not Any	NA	NA

### Known Issues/Limitations

Defect ID	Description	Applicable Release Configuration
Not Any	NA	NA