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* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
* [Tree](http://docs.google.com/package-tree.html)
* [Index](http://docs.google.com/index-all.html)
* [Help](http://docs.google.com/help-doc.html)
* [Prev Class](http://docs.google.com/org/opencv/core/CvException.html)
* [Next Class](http://docs.google.com/org/opencv/core/DMatch.html)
* [Frames](http://docs.google.com/index.html?org/opencv/core/CvType.html)
* [No Frames](http://docs.google.com/CvType.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* [Field](#3znysh7) |
* [Constr](#2et92p0) |
* [Method](#tyjcwt)
* Detail:
* [Field](#1t3h5sf) |
* [Constr](#19c6y18) |
* [Method](#28h4qwu)

org.opencv.core

## Class CvType

* java.lang.Object
  + org.opencv.core.CvType
* public final class CvType  
  extends java.lang.Object

### Field SummaryFields

| Modifier and Type | Field and Description |
| --- | --- |
| static int | [**CV\_16S**](http://docs.google.com/org/opencv/core/CvType.html#CV_16S) |
| static int | [**CV\_16SC1**](http://docs.google.com/org/opencv/core/CvType.html#CV_16SC1) |
| static int | [**CV\_16SC2**](http://docs.google.com/org/opencv/core/CvType.html#CV_16SC2) |
| static int | [**CV\_16SC3**](http://docs.google.com/org/opencv/core/CvType.html#CV_16SC3) |
| static int | [**CV\_16SC4**](http://docs.google.com/org/opencv/core/CvType.html#CV_16SC4) |
| static int | [**CV\_16U**](http://docs.google.com/org/opencv/core/CvType.html#CV_16U) |
| static int | [**CV\_16UC1**](http://docs.google.com/org/opencv/core/CvType.html#CV_16UC1) |
| static int | [**CV\_16UC2**](http://docs.google.com/org/opencv/core/CvType.html#CV_16UC2) |
| static int | [**CV\_16UC3**](http://docs.google.com/org/opencv/core/CvType.html#CV_16UC3) |
| static int | [**CV\_16UC4**](http://docs.google.com/org/opencv/core/CvType.html#CV_16UC4) |
| static int | [**CV\_32F**](http://docs.google.com/org/opencv/core/CvType.html#CV_32F) |
| static int | [**CV\_32FC1**](http://docs.google.com/org/opencv/core/CvType.html#CV_32FC1) |
| static int | [**CV\_32FC2**](http://docs.google.com/org/opencv/core/CvType.html#CV_32FC2) |
| static int | [**CV\_32FC3**](http://docs.google.com/org/opencv/core/CvType.html#CV_32FC3) |
| static int | [**CV\_32FC4**](http://docs.google.com/org/opencv/core/CvType.html#CV_32FC4) |
| static int | [**CV\_32S**](http://docs.google.com/org/opencv/core/CvType.html#CV_32S) |
| static int | [**CV\_32SC1**](http://docs.google.com/org/opencv/core/CvType.html#CV_32SC1) |
| static int | [**CV\_32SC2**](http://docs.google.com/org/opencv/core/CvType.html#CV_32SC2) |
| static int | [**CV\_32SC3**](http://docs.google.com/org/opencv/core/CvType.html#CV_32SC3) |
| static int | [**CV\_32SC4**](http://docs.google.com/org/opencv/core/CvType.html#CV_32SC4) |
| static int | [**CV\_64F**](http://docs.google.com/org/opencv/core/CvType.html#CV_64F) |
| static int | [**CV\_64FC1**](http://docs.google.com/org/opencv/core/CvType.html#CV_64FC1) |
| static int | [**CV\_64FC2**](http://docs.google.com/org/opencv/core/CvType.html#CV_64FC2) |
| static int | [**CV\_64FC3**](http://docs.google.com/org/opencv/core/CvType.html#CV_64FC3) |
| static int | [**CV\_64FC4**](http://docs.google.com/org/opencv/core/CvType.html#CV_64FC4) |
| static int | [**CV\_8S**](http://docs.google.com/org/opencv/core/CvType.html#CV_8S) |
| static int | [**CV\_8SC1**](http://docs.google.com/org/opencv/core/CvType.html#CV_8SC1) |
| static int | [**CV\_8SC2**](http://docs.google.com/org/opencv/core/CvType.html#CV_8SC2) |
| static int | [**CV\_8SC3**](http://docs.google.com/org/opencv/core/CvType.html#CV_8SC3) |
| static int | [**CV\_8SC4**](http://docs.google.com/org/opencv/core/CvType.html#CV_8SC4) |
| static int | [**CV\_8U**](http://docs.google.com/org/opencv/core/CvType.html#CV_8U) |
| static int | [**CV\_8UC1**](http://docs.google.com/org/opencv/core/CvType.html#CV_8UC1) |
| static int | [**CV\_8UC2**](http://docs.google.com/org/opencv/core/CvType.html#CV_8UC2) |
| static int | [**CV\_8UC3**](http://docs.google.com/org/opencv/core/CvType.html#CV_8UC3) |
| static int | [**CV\_8UC4**](http://docs.google.com/org/opencv/core/CvType.html#CV_8UC4) |
| static int | [**CV\_USRTYPE1**](http://docs.google.com/org/opencv/core/CvType.html#CV_USRTYPE1) |

### Constructor SummaryConstructors

| Constructor and Description |
| --- |
| [**CvType**](http://docs.google.com/org/opencv/core/CvType.html#CvType())() |

### Method SummaryMethods

| Modifier and Type | Method and Description |
| --- | --- |
| static int | [**channels**](http://docs.google.com/org/opencv/core/CvType.html#channels(int))(int type) |
| static int | [**CV\_16SC**](http://docs.google.com/org/opencv/core/CvType.html#CV_16SC(int))(int ch) |
| static int | [**CV\_16UC**](http://docs.google.com/org/opencv/core/CvType.html#CV_16UC(int))(int ch) |
| static int | [**CV\_32FC**](http://docs.google.com/org/opencv/core/CvType.html#CV_32FC(int))(int ch) |
| static int | [**CV\_32SC**](http://docs.google.com/org/opencv/core/CvType.html#CV_32SC(int))(int ch) |
| static int | [**CV\_64FC**](http://docs.google.com/org/opencv/core/CvType.html#CV_64FC(int))(int ch) |
| static int | [**CV\_8SC**](http://docs.google.com/org/opencv/core/CvType.html#CV_8SC(int))(int ch) |
| static int | [**CV\_8UC**](http://docs.google.com/org/opencv/core/CvType.html#CV_8UC(int))(int ch) |
| static int | [**depth**](http://docs.google.com/org/opencv/core/CvType.html#depth(int))(int type) |
| static int | [**ELEM\_SIZE**](http://docs.google.com/org/opencv/core/CvType.html#ELEM_SIZE(int))(int type) |
| static boolean | [**isInteger**](http://docs.google.com/org/opencv/core/CvType.html#isInteger(int))(int type) |
| static int | [**makeType**](http://docs.google.com/org/opencv/core/CvType.html#makeType(int,%20int))(int depth, int channels) |
| static java.lang.String | [**typeToString**](http://docs.google.com/org/opencv/core/CvType.html#typeToString(int))(int type) |

### Methods inherited from class java.lang.Objectequals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

### Field Detail

#### CV\_16S public static final int CV\_16SSee Also:[Constant Field Values](http://docs.google.com/constant-values.html#org.opencv.core.CvType.CV_16S)

#### CV\_16SC1 public static final int CV\_16SC1

#### CV\_16SC2 public static final int CV\_16SC2

#### CV\_16SC3 public static final int CV\_16SC3

#### CV\_16SC4 public static final int CV\_16SC4

#### CV\_16U public static final int CV\_16USee Also:[Constant Field Values](http://docs.google.com/constant-values.html#org.opencv.core.CvType.CV_16U)

#### CV\_16UC1 public static final int CV\_16UC1

#### CV\_16UC2 public static final int CV\_16UC2

#### CV\_16UC3 public static final int CV\_16UC3

#### CV\_16UC4 public static final int CV\_16UC4

#### CV\_32F public static final int CV\_32FSee Also:[Constant Field Values](http://docs.google.com/constant-values.html#org.opencv.core.CvType.CV_32F)

#### CV\_32FC1 public static final int CV\_32FC1

#### CV\_32FC2 public static final int CV\_32FC2

#### CV\_32FC3 public static final int CV\_32FC3

#### CV\_32FC4 public static final int CV\_32FC4

#### CV\_32S public static final int CV\_32SSee Also:[Constant Field Values](http://docs.google.com/constant-values.html#org.opencv.core.CvType.CV_32S)

#### CV\_32SC1 public static final int CV\_32SC1

#### CV\_32SC2 public static final int CV\_32SC2

#### CV\_32SC3 public static final int CV\_32SC3

#### CV\_32SC4 public static final int CV\_32SC4

#### CV\_64F public static final int CV\_64FSee Also:[Constant Field Values](http://docs.google.com/constant-values.html#org.opencv.core.CvType.CV_64F)

#### CV\_64FC1 public static final int CV\_64FC1

#### CV\_64FC2 public static final int CV\_64FC2

#### CV\_64FC3 public static final int CV\_64FC3

#### CV\_64FC4 public static final int CV\_64FC4

#### CV\_8S public static final int CV\_8SSee Also:[Constant Field Values](http://docs.google.com/constant-values.html#org.opencv.core.CvType.CV_8S)

#### CV\_8SC1 public static final int CV\_8SC1

#### CV\_8SC2 public static final int CV\_8SC2

#### CV\_8SC3 public static final int CV\_8SC3

#### CV\_8SC4 public static final int CV\_8SC4

#### CV\_8U public static final int CV\_8USee Also:[Constant Field Values](http://docs.google.com/constant-values.html#org.opencv.core.CvType.CV_8U)

#### CV\_8UC1 public static final int CV\_8UC1

#### CV\_8UC2 public static final int CV\_8UC2

#### CV\_8UC3 public static final int CV\_8UC3

#### CV\_8UC4 public static final int CV\_8UC4

#### CV\_USRTYPE1 public static final int CV\_USRTYPE1See Also:[Constant Field Values](http://docs.google.com/constant-values.html#org.opencv.core.CvType.CV_USRTYPE1)

### Constructor Detail

#### CvType public CvType()

### Method Detail

#### channels public static final int channels(int type)

#### CV\_16SC public static final int CV\_16SC(int ch)

#### CV\_16UC public static final int CV\_16UC(int ch)

#### CV\_32FC public static final int CV\_32FC(int ch)

#### CV\_32SC public static final int CV\_32SC(int ch)

#### CV\_64FC public static final int CV\_64FC(int ch)

#### CV\_8SC public static final int CV\_8SC(int ch)

#### CV\_8UC public static final int CV\_8UC(int ch)

#### depth public static final int depth(int type)

#### ELEM\_SIZE public static final int ELEM\_SIZE(int type)

#### isInteger public static final boolean isInteger(int type)

#### makeType public static final int makeType(int depth, int channels)

#### typeToString public static final java.lang.String typeToString(int type)

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* Class
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* [Next Class](http://docs.google.com/org/opencv/core/DMatch.html)
* [Frames](http://docs.google.com/index.html?org/opencv/core/CvType.html)
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