

Option Explicit

```
Dim cnt As Integer
Dim ptr As Integer
Dim total1 As Single
Dim ii1 As Integer
Dim jj As Integer
Sub xxx()
```

```
ret = IpTemplateMode(1)
ret = IpWsLoadSetRes(0)
ret = IpWsLoad("xxx.avi", "avi")
ret = IpTemplateMode(0)
ret = IpCmChannelExtract(CM_RGB, CM_RGB, 15)
```

```
Begin Dialog UserDialog 400,350,"Average of Intensity Green Mean",.dlgfunc1' %GRID:10,7,1,1
    Text 70,100,250,203,"Sequence count"
    TextBox 70,130,250,28,.Text1
    Text 70,150,250,203,"OR"
    Text 70,180,250,203,"Particular Image"
    TextBox 70,200,250,28,.Text2

    PushButton 20,270,320,28,"Analyze-for seq",.Analyze1
    PushButton 20,320,320,28,"Analyze-for part img",.Analyze2
```

```
End Dialog
Dim dlg As UserDialog
Dialog dlg
```

End Sub

Rem See DialogFunc help topic for more information.

```
Private Function dlgfunc1(DlgItem$, Action%, SuppValue&) As Boolean
```

```
    Select Case Action%
```

```
        Case 1 ' Dialog box initialization
```

```
        Case 2 ' Value changing or button pressed
```

```
            Select Case DlgItem$
```

```
                Case "Analyze1"
```

```
                    total1 = 0
```

```
For ii1 = 1 To 3
  'ret = IpAppSelectDoc(ii1)
  For jj= 0 To cnt-1
    ret = IpAppSelectDoc(ii1)
    ret = IpSeqSet(SEQ_ACTIVEFRAME, jj)
    ret = IpSeqSet(SEQ_APPLY, 0)
    ret = IpBlbShow(1)
    ret = IpBlbEnableMeas(BLBM_AREA, 0)
    ret = IpBlbEnableMeas(BLBM_DENSITY, 1)
  ret = IpBlbSetAttr(BLOB_AUTORANGE, 1)
  ret = IpBlbSetAttr(BLOB_BRIGHTOBJ, 1)
  ret = IpBlbCount()
  ret = IpBlbUpdate(0)
  ret = IpTemplateMode(1)
  ret = IpBlbSaveOutline("C:\IPWIN62\Documents and Settings\1.scl")
  ret = IpTemplateMode(0)
ret = IpAppSelectDoc(ii1 + 2)
  ret = IpSeqSet(SEQ_ACTIVEFRAME, jj)
    ret = IpSeqSet(SEQ_APPLY, 0)
    ret = IpBlbShow(1)
    ret = IpBlbEnableMeas(BLBM_AREA, 0)
    ret = IpBlbEnableMeas(BLBM_DENSITY, 1)
  ret = IpBlbSetAttr(BLOB_AUTORANGE, 1)
  ret = IpBlbSetAttr(BLOB_BRIGHTOBJ, 1)
  ret = IpBlbCount()
  ret = IpBlbUpdate(0)
  ret = IpTemplateMode(1)
  ret = IpBlbSaveOutline("C:\IPWIN62\Documents and Settings\2.scl")
  ret = IpTemplateMode(0)
  ret = IpAppSelectDoc(ii1 + 1)
  ret = IpSeqSet(SEQ_ACTIVEFRAME, jj)
    ret = IpSeqSet(SEQ_APPLY, 0)
    ret = IpBlbShow(1)
    ret = IpTemplateMode(1)
    ret = IpBlbLoadOutline("C:\IPWIN62\Documents and Settings\1.scl")
    ret = IpTemplateMode(0)
    'ret = IpBlbEnableMeas(BLBM_AREA, 0)

ret = IpBlbEnableMeas(BLBM_DENSITY, 1)
ret = IpBlbMeasure()

ret = IpDcShow(3)
```

```
ret = IpDcSelect("Count_Size", "BLBM_DENSITY",0)
ret = IpDcShow(1)
ret = IpDcSet(DC_AUTO, 0)
ret = IpDcUpdate(DC_FETCH)
```

```
'ret = IpDcSet(DC_COL, 1)
```

```
ReDim fStats(06) As Single
```

```
ret = IpDcGet(DC_STATS, 0, fStats(0))
ret = IpOutputShow(1)
total1 = total1 + fStats(2)
ret = IpOutput("fstats1: " + Str(fStats(2)) + " ")
ret = IpOutput("total1: " + Str(total1) + " ")
```

```
ret = IpDcUpdate(DC_RESETLAST)
ret = IpAppSelectDoc(ii1 + 1)
ret = IpSeqSet(SEQ_ACTIVEFRAME, jj)
ret = IpSeqSet(SEQ_APPLY, 0)
ret = IpBlbShow(1)
ret = IpTemplateMode(1)
ret = IpBlbLoadOutline("C:\IPWIN62\Documents and Settings\2.scl")
ret = IpTemplateMode(0)
'ret = IpBlbEnableMeas(BLBM_AREA, 0)
ret = IpBlbEnableMeas(BLBM_DENSITY, 1)
ret = IpBlbMeasure()
```

```
ret = IpDcShow(3)
```

```
ret = IpDcShow(1)
ret = IpDcSet(DC_AUTO, 0)
ret = IpDcUpdate(DC_FETCH)
```

```
'ret = IpDcSet(DC_COL, 1)
```

```
ReDim fStats(06) As Single
```

```
ret = IpDcGet(DC_STATS, 0, fStats(0))
ret = IpOutputShow(1)
ret = IpOutput("fstats2: " + Str(fStats(2)) + " ")
total1 = total1 + fStats(2)
```

```
ret = IpOutput("total2: " + Str(total1) + " ")
ret = IpDcUpdate(DC_RESETLAST)
```

Next jj

ii1 = ii1 + 2

Next ii1

```
ret = IpOutput("Average Mean Intensity: " + Str(total1/(cnt*2)) + " ")
```

```
dlgfunc1= False
```

```
'Exit Function
```

Case "Analyze2"

```
total1 = 0
```

```
For ii1 = 1 To 3
```

```
'ret = IpAppSelectDoc(ii1)
```

```
ret = IpAppSelectDoc(ii1)
```

```
ret = IpSeqSet(SEQ_ACTIVEFRAME, ptr-1)
```

```
ret = IpSeqSet(SEQ_APPLY, 0)
```

```
ret = IpBlbShow(1)
```

```
ret = IpBlbEnableMeas(BLBM_AREA, 0)
```

```
ret = IpBlbEnableMeas(BLBM_DENSITY, 1)
```

```
ret = IpBlbSetAttr(BLOB_AUTORANGE, 1)
```

```
ret = IpBlbSetAttr(BLOB_BRIGHTOBJ, 1)
```

```
ret = IpBlbCount()
```

```
ret = IpBlbUpdate(0)
```

```
ret = IpTemplateMode(1)
```

```
ret = IpBlbSaveOutline("C:\IPWIN62\Documents and Settings\1.scl")
```

```
ret = IpTemplateMode(0)
```

```
ret = IpAppSelectDoc(ii1 + 2)
```

```
ret = IpSeqSet(SEQ_ACTIVEFRAME, ptr-1)
```

```
ret = IpSeqSet(SEQ_APPLY, 0)
```

```
ret = IpBlbShow(1)
```

```
ret = IpBlbEnableMeas(BLBM_AREA, 0)
```

```
ret = IpBlbEnableMeas(BLBM_DENSITY, 1)
```

```
ret = IpBlbSetAttr(BLOB_AUTORANGE, 1)
```

```
ret = IpBlbSetAttr(BLOB_BRIGHTOBJ, 1)
```

```
ret = IpBlbCount()
```

```
ret = IpBlbUpdate(0)
```

```
ret = IpTemplateMode(1)
```

```
ret = IpBlbSaveOutline("C:\IPWIN62\Documents and Settings\2.scl")
```

```
ret = IpTemplateMode(0)
ret = IpAppSelectDoc(ii1 + 1)
ret = IpSeqSet(SEQ_ACTIVEFRAME, ptr-1)
    ret = IpSeqSet(SEQ_APPLY, 0)
    ret = IpBlbShow(1)
    ret = IpTemplateMode(1)
    ret = IpBlbLoadOutline("C:\IPWIN62\Documents and Settings\1.scl")
    ret = IpTemplateMode(0)
    'ret = IpBlbEnableMeas(BLBM_AREA, 0)
```

```
ret = IpBlbEnableMeas(BLBM_DENSITY, 1)
ret = IpBlbMeasure()
```

```
ret = IpDcShow(3)
```

```
ret = IpDcSelect("Count_Size", "BLBM_DENSITY",0)
ret = IpDcShow(1)
ret = IpDcSet(DC_AUTO, 0)
ret = IpDcUpdate(DC_FETCH)
```

```
'ret = IpDcSet(DC_COL, 1)
```

```
ReDim fStats(06) As Single
```

```
ret = IpDcGet(DC_STATS, 0, fStats(0))
ret = IpOutputShow(1)
total1 = total1 + fStats(2)
ret = IpOutput("fstats1: " + Str(fStats(2)) + " ")
ret = IpOutput("total1: " + Str(total1) + " ")
```

```
ret = IpDcUpdate(DC_RESETLAST)
ret = IpAppSelectDoc(ii1 + 1)
ret = IpSeqSet(SEQ_ACTIVEFRAME, ptr-1)
    ret = IpSeqSet(SEQ_APPLY, 0)
    ret = IpBlbShow(1)
    ret = IpTemplateMode(1)
    ret = IpBlbLoadOutline("C:\IPWIN62\Documents and Settings\2.scl")
    ret = IpTemplateMode(0)
    'ret = IpBlbEnableMeas(BLBM_AREA, 0)
ret = IpBlbEnableMeas(BLBM_DENSITY, 1)
ret = IpBlbMeasure()
```

```
ret = IpDcShow(3)
```

```
ret = IpDcShow(1)
```

```
ret = IpDcSet(DC_AUTO, 0)
```

```
ret = IpDcUpdate(DC_FETCH)
```

```
'ret = IpDcSet(DC_COL, 1)
```

```
ReDim fStats(06) As Single
```

```
ret = IpDcGet(DC_STATS, 0, fStats(0))
```

```
ret = IpOutputShow(1)
```

```
ret = IpOutput("fstats2: " + Str(fStats(2)) + " ")
```

```
total1 = total1 + fStats(2)
```

```
ret = IpOutput("total2: " + Str(total1) + " ")
```

```
ret = IpDcUpdate(DC_RESETLAST)
```

```
ii1 = ii1 + 2
```

```
Next ii1
```

```
ret = IpOutput("Average Mean Intensity: " + Str(total1/2) + " ")
```

```
dlgfunc1 = False
```

```
'Exit Function
```

```
End Select
```

```
Rem dlgfunction = True ' Prevent button press from closing the dialog box
```

```
Case 3 ' TextBox or ComboBox text changed
```

```
cnt = Val(DlgText$("Text1"))
```

```
Debug.Print "Count "; cnt
```

```
ptr = Val(DlgText$("Text2"))
```

```
Debug.Print "Image Number "; ptr
```

```
dlgfunc1 = True
```

```
Case 4 ' Focus changed
```

```
Case 5 ' Idle
```

```
Rem Wait .1 : dlgfunction = True ' Continue getting idle actions
```

```
Case 6 ' Function key
```

```
End Select
```

```
End Function
```