

# OCR

OCR

- OCR
- .
- \_\_\_\_\_

# OCR

## OCR

1. OCR

2. →

3.

- **NI Vision Vision Assistant**

a. <Vision>\Images\OCR Tutorial <Vision>NI  
Vision

b.

- NIOCRExample1.tif
- NIOCRExample2.tif
- NIOCRExample3.tif
- NIOCRExample4.tif
- NIOCRExample5.tif

<Ctrl>

c.

- **Vision Builder AI**

a. <Vision Builder AI>\DemoImg\OCR <Vision Builder  
AI>Vision Builder AI

b.

- NIOCRExample1.tif
- NIOCRExample2.tif
- NIOCRExample3.tif
- NIOCRExample4.tif
- NIOCRExample5.tif

<Ctrl>

c.

4. NIOCRExample1.tif

5. OCR  ROI

ROI

OCRROI

ROI

6. BACE30

7. NIOCRExample2.tif

NIOCRExample1.tifROI NIOCRExample2.tifROI

OCR

8. **2ROI**OCR

9. **0** 1

1

10. B8F1E9

11. NIOCRExample3.tif

OCR NIOCRExample1.tifROI NIOCRExample2.tif

12. ROI

13. B7ODF4

14. NIOCRExample4.tif

OCR NIOCRExample1.tifROI NIOCRExample3.tif

NIOCRExample4.tif3OCRA2

15. A2

16. 50

17. B85AA6

18. NIOCRExample5.tif

OCR NIOCRExample1.tifROI NIOCRExample4.tif

19.



20. B8CE72

## OCRROI

- —ROI
- —ROI
- —ROIxy
- —ROI
- —
- —01000
- —010001000
- OCROCR0

OCR

1.

OCROCR

2.

—

3.

→

NIOCRTutorial.abc

**OK**

OCRNIOCRTutorial.abc

/

1. OCR
2. → 1<Ctrl>
- 3.
- 4.
5. ROI



OCRROI

ROIROI3

3

- 
6. 22OCRROI2OCR
  - 7.
  8. ROIROI
  - 9.
  10. **22**
  11. 310
  12. →
  - 13.

---

ROIAPR32APROOCR  
APR

OCRROIAPRO

PB

P

1. OCR
2. → 1<Ctrl>
- 3.
- 4.
5. ROI  
OCRROI

ROIROI3

3

6. 22OCRROI2OCR
- 7.
8.  
NI OCR



1. OCR
2. → 1<Ctrl>
- 3.
- 4.
5. ROI  
OCRROI
6. 22OCRROI2OCR
- 7.
8. OCR
- 9.
- 10.

ROIROI3

3

# OCRROI

## OCRROI

<input type="checkbox"/>	<b>ROI</b>	—<Shift>
<input type="checkbox"/>	<b>ROI</b>	—
	ROI	1
		• —
		• —

## 2OCR

1. 22

- —ROI
- —ROINI OCR
- —ROI
- —ROI

2

2.

3.

4. **ROIROI**

5. **()** OCRROI

2OCR

ROI22

**2**

22

2

2

2

1. 2OCR

2. 2

3. 2 22

2

OCR22

OCR 2



ROI22

## ROIOCR

- —OCR
  - —
  - —
  - —ROI
  - —ROI (x)
  - (x)—
  - (y)—
- ROI 22

1.

2.

3.



OCR



4. /

5.

6. ROI

010001000



## OCRROI

- —ROI
  - —ROI
  - —ROIxy
  - —ROI
  - —
  - —01000
  - —010001000
- OCROCR0

1. →

2.

3. **OK**

4. <Delete>

5. OCV

OCR

/

6. 1



OCR

OCR

1.

- —OCR
- —OCR

2. OCR      /%100

3. OCR

4. 01000

5. OCR

# OCR

NI OCR                      NI Vision AssistantNI Vision Builder AINI  
Vision Builder for Automated Inspection

OCR

1. → → **National Instruments** → **Vision** → **OCR Training**

2. → <Ctrl>

3.

## Vision Assistant

Vision AssistantOCRVision AssistantOCR

1. → <Ctrl>

2.

3. OCR/OCV → **OCR/OCV**                      **OCR/OCV**

4. OCR/OCV

# Vision Builder AI

Vision Builder AIOCR Vision Builder AIOCR

1. Vision Builder for Automated Inspection:  
Configuration Help
2. Inspection Steps    **Identify Parts**    **Read/Verify Text**
3. Read/Verify Text Setup    **Mode**    **New Character Set File**



OCRLabVIEWLabWindows/CVIMicrosoft Visual BasicOCR  
OCR

- LabVIEW—[OCR First Example](#)<LabVIEW>  
examples\Vision\2.Functions\OCR\OCR First Example.vi  
<LabVIEW>LabVIEW
- LabWindows/CVI—[OCR First Example](#)  
<CVI>\samples\Vision\2.Functions\OCR\OCR First Example.prj  
<CVI>LabVIEW
- Microsoft Visual Basic—[OCR First Example](#)  
<Vision>\Examples\MSVB\2.Functions\OCR  
<Vision>\Examples\MSVB.NET\2.Functions\OCR <Vision>NI  
Vision





# OCR LabVIEW

OCR First Example OCR OCR

OCR First Example

1. <LabVIEW>\examples\Vision\2.Functions\OCR\OCR First Example.llb  
OCR First Example VI <LabVIEW>LabWindows/CVI
2. VI
3. **Open Character Set File**OCR  
NIOCRTutorial.abc
4. **Open Image** NIOCRExample\*1 **Open**
5. **ROIRead**
  - **Read String**
  - **Time (ms)**OCR
6. **Return**

# OCR LabWindows/CVI

OCR First Example OCR OCR

OCR First Example

1. <CVI>\samples\Vision\2.Functions\OCR\OCR First Example.prj  
<CVI>LabWindows/CVI
2. **Build** → **Configuratio** → **Debug**      **Run** → **Debug OCR First Example.exe**
3. **Open Character Set File**OCR  
NIOCRTutorial.abc
4. **Open Image**      NIOCRExample\*1      **Load**
5. **ROIRead**
  - **Read String**
  - **Time (ms)OCR**
6. **Quit**

# OCR Microsoft Visual Basic

OCR First Example OCR OCR

OCR First Example

1. <Vision>\Examples\MSVB\2.Functions\OCR  
<Vision>\Examples\MSVB.NET\2.Functions\OCR OCR First  
Example.vbp <Vision>NI Vision
- 2.
3. **Open Character Set File**OCR  
NIOCRTutorial.abc
4. **Open Image** NIOCRExample\*1 **Open**
5. ROI
  - **Read String**
  - **Time (ms)**OCR
6. **Quit**