

GdPicture.NET Version History

GdPicture.NET 14.0.68 (September 21st 2018)

- Improved 1D barcode reader accuracy.
- Improved MRC engine: speed, compression rate, output quality.
- Battery of minor bug fixes.

GdPicture.NET 14.0.67 (September 20th 2018)

- Dramatically improved quality of produced documents by the MRC engine.
- Improved OCR accuracy & speed.
- Improved DXF rasterizer.
- Improved PDF/A generator.
- Battery of minor bug fixes.

GdPicture.NET 14.0.66 (September 11th 2018)

- GdPicturePDF: new overload GetFormFieldCheckBoxStyle()
- GdPicturePDF: new overload SetFormFieldCheckBoxStyle()
- Improved MRC engine (compression rate and output quality).
- Improved DXF rasterizer.
- Improved DOCX rendering speed.
- Battery of minor bug fixes.

GdPicture.NET 14.0.65 (September 03rd 2018)

- GdPicturePDF: new method BeginXObjectForm.
- GdPicturePDF: new method EndXObjectForm.
- GdPicturePDF: new method DrawXObjectForm.
- DocuVieware: new JavaScript function: GetAnnotPropertiesValues()
- Improved PDF generation speed.

- Improved DXF rasterizer.
- Improved MRC engine (compression rate and output quality).
- Improved 1D barcode reading speed and accuracy.

GdPicture.NET 14.0.64 (August 15th 2018)

- Fixed regression on the PDF/MRC engine.
- Improved MRC engine (produced document quality and compression rate).
- Improved borders detection engine accuracy.

GdPicture.NET 14.0.63 (August 13th 2018)

- GdPictureImaging: improved speed of the TiffMergeFiles() methods.
- Improved DXF -> PDF converter.
- Improved borders detection accuracy.
- MRC engine: improved compression rate and dramatically increased quality of produced documents.
- DocuVieware: the control now uses FIPS-compatible cryptographic algorithms.
- Battery of minor bug fixes.

GdPicture.NET 14.0.62 (August 3rd 2018)

- Added support for PDF 2.0 reading (writing was already supported).
- Improved MRC compression engine (better quality of produced documents and better compression rate).
- Improved DOCX rasterizer, especially with tables rendering.
- Battery of minor bug fixes.

GdPicture.NET 14.0.61 (July 26th 2018)

- Improved 1D & 2D barcode recognition speed and accuracy.
- Improved DXF rasterizer.
- Improved PDF rasterizer.

- Improved DOCX rasterizer.
- Improved DXF → PDF conversion to produce smaller file size.
- GdPicturePDF: added a font compression / reduction engine.
- GdPicturePDF: new method PackFonts()
- Improved compression rate and produced document quality of the MRC engine.
- Improved PDF417 barcode decoder accuracy.
- Battery of minor bug fixes.
- Fixed a DOCX reading error.

GdPicture.NET 14.0.60 (July 16th 2018)

- GdViewer: ForceTemporaryModeForImage and ForceTemporaryModeForPDF properties renamed to ForceTemporaryMode.
- DocuVieware: new static method DocuViewareManager.CollectSessionsData().
- Improved color detection engine accuracy.
- Improved DOCX rasterizer.
- Improved DXF rasterizer.
- Improved PDF417 barcode reader accuracy.
- Dramatically improved compression rate of the MRC engine.
- Battery of minor bug fixes.

GdPicture.NET 14.0.58 (July 7th 2018)

- Improved 1D barcode reader accuracy and speed.
- Improved DOCX rendering.
- Improved DXF rendering.
- Battery of minor bug fixes.

GdPicture.NET 14.0.57 (July 5th 2018)

- Added support for DXF document viewing (preview).
- Improved malformed PDF parsing.

- Improved 1D & 2D barcode detection accuracy.
- Improved DOCX rasterizer.
- Reduced size of produced PDF.
- Improved MRC engine to produce better quality output.
- GdPicturePDF: new method ResetFormFieldCheckedState().
- GdPicturePDF: new method ResetFormFieldDefaultCheckedState().
- GdPicturePDF: new overload GetFormFieldFontSize().
- GdPicturePDF: new overload GetFormFieldFontColor().
- GdPicturePDF: new overload SetFormFieldFontSize().
- GdPicturePDF: new overload SetFormFieldFontColor().
- GdPicturePDF: new method GetFormFieldBackgroundColor().
- GdPicturePDF: new method SetFormFieldBackgroundColor().

GdPicture.NET 14.0.56 (June 21st 2018)

- Improved DOCX renderer.
- Improved PDF renderer.
- Improved MRC compression engine to produce better quality output.
- Improved color detection engine accuracy.
- Improved 1D & 2D barcode readers speed & accuracy.
- Added support for generating PDF/Universal Accessibility (PDF/UA).
- GdPicturePDF: new method GetTagRootID().
- GdPicturePDF: new method NewTag().
- GdPicturePDF: new method BeginMarkedContentSequence().
- GdPicturePDF: new method BeginMarkedContent().
- GdPicturePDF: new method EndMarkedContent().
- GdPicturePDF: new method AttachTagToAnnotation().
- GdPicturePDF: new method AttachTagToFormField().
- GdPicturePDF: new method MapStructureType().
- GdPicturePDF: new method SetLanguage().

- GdPicturePDF: new method SetTagTitle().
- GdPicturePDF: new method SetTagAlternateDescription().
- GdPicturePDF: new method SetTagActualText().
- GdPicturePDF: new method SetTagLanguage().
- GdPicturePDF: new method SetTagAttribute().
- DocuVieware: new JavaScript function ShowSnapIn().
- DocuVieware: new JavaScript function HideSnapIn().
- DocuVieware: new JavaScript function RegisterOnThumbnailsSnapInSelected().
- DocuVieware: new JavaScript function RegisterOnBookmarksSnapInSelected().
- DocuVieware: new JavaScript function RegisterOnSearchSnapInSelected().
- DocuVieware: new JavaScript function RegisterOnAnnotationsSnapInSelected().
- DocuVieware: new JavaScript function RegisterOnCommentsSnapInSelected().
- Battery of minor bug fixes.

GdPicture.NET 14.0.55 (June 14th 2018)

- GdPictureImaging: new method AppendToTiff().
- Improved form-fields handling.
- Improved MRC compression rate.
- Improved DataMatrix reader accuracy.
- Improved automatic borders removal filter.
- Improved PDF parsing and rendering.
- Battery of minor bug fixes.

GdPicture.NET 14.0.54 (June 6th 2018)

- Improved borders detection filters speed and accuracy.
- Improved DOCX rendering.
- Improved QR-code reader speed and accuracy.
- Improved OCR accuracy on color bitmap.
- Improved PDF form-fields handling.

- DocuVieware: new JavaScript function LoadFromByteArray().
- Battery of minor bug fixes.

GdPicture.NET 14.0.53 (May 29th 2018)

- Improved black border removal filter.
- Improved MRC engine.
- Improved QR-code reading speed and accuracy.
- Improved form-fields handling support.
- GdViewer (WinForm and WPF): the aspect ratio of annotations is maintained during resizing with shift key pressed.
- GdPictureDocumentConverter: new property PdfImageQuality.
- Battery of minor bug fixes.
- Improved DOCX rasterizer.

GdPicture.NET 14.0.52 (May 22nd 2018)

- Improved OCR engine accuracy.
- Improved PDF/OCR generation.
- Improved borders removal filter accuracy.
- Improved punch holes removal filter accuracy.
- Improved blank page detection filter accuracy.
- Battery of minor bug fixes.

GdPicture.NET 14.0.51 (May 18th 2018)

- Improved docx renderer.
- Improved PDF parser.
- Improved borders detection algorithm.
- Improved OCR page orientation detection feature.
- Improved 1D & 2D barcode readers accuracy and speed.
- Battery of minor bug fixes.

GdPicture.NET 14.0.50 (May 10th 2018)

- Improved PDF rendering with ICC color spaces.
- Improved accuracy and speed of Qr Code recognition engine.
- Battery of minor bug fixes.

GdPicture.NET 14.0.49 (May 07th 2018)

- Improved PDF rendering with CJK fonts.
- Improved punch holes removal filter speed and accuracy.
- Dramatically improved black margins removal filter speed and accuracy.
- Dramatically improved white margins removal filter speed and accuracy.
- Dramatically improved borders detection filter speed and accuracy.
- Improved the blank page detection engine.
- Improved accuracy and speed of 1D barcode recognition engine.

GdPicture.NET 14.0.48 (April 27th 2018)

- GdViewer WPF: improved annotation rendering quality.
- Improved speed of the punch holes removal filter.
- Improved loading speed of large tiff files.
- Improved text search and text extraction speed.
- DocuVieware: form-fields tab order is now honored.
- Battery of minor bug fixes.

GdPicture.NET 14.0.47 (April 19th 2018)

- Dramatically improved punch hole removal filter accuracy and speed (up to 6x faster).
- Improved docx document rendering.
- DocuVieware: new javascript function EnsureAnnotVisibility().
- DocuVieware: improved user experience related to annotations and text results navigation.
- Battery of minor bug fixes.

GdPicture.NET 14.0.46 (April 13th 2018)

- Improved DICOM image reader speed and memory usage.
- Improved jpeg2000 & JBIG2 decoding speed and memory usage in the 32-bit version (64-bit was already optimized).
- GdPicturePDF: improved SetFormFieldDefaultChecked() method.
- GdPicturePDF: new method RemoveJavaScript()
- GdViewer (WPF version): improved support for page link navigation in touch mode.
- Improved 1D barcode reader accuracy and speed.
- Improved COM/ActiveX interface.

GdPicture.NET 14.0.45 (April 6th 2018)

- Improved color detection engine accuracy.
- PDF: Improved form-fields handling (radio buttons, list boxes).
- GdPicturePDF: new overload GetFormFieldOnStateName().
- GdPicturePDF: new overload SetFormFieldOnStateName().
- GdPicturePDF: new method GetFormFieldDefaultChecked().
- GdPicturePDF: new method SetFormFieldDefaultChecked().
- GdPicturePDF: new overload GetFormFieldChecked().
- GdPicturePDF: new overload SetFormFieldChecked().
- GdPicturePDF: new overload GetFormFieldValue().
- GdPicturePDF: new overload SetFormFieldValue().
- GdPictureDocumentConverter: improved PDF -> TIFF conversion speed and produced file size.
- Improved robustness and speed of 2D barcode recognition engines.
- Improved PDF rendering speed with complex documents.

GdPicture.NET 14.0.44 (March 23rd 2018)

- Improved docx rasterizer.
- Improved docx -> pdf conversion.

- PDF: improved form-fields handling.
- GdViewer: new property: RenderGdPictureAnnots.
- The DeleteBlackBorders() method of the GdPictureImaging class can now work with any pixel format bitmap.
- Improved 2D barcode encoding engines to better handle utf8 characters.
- Battery of minor bug fixes.

GdPicture.NET 14.0.43 (March 16th 2018)

- New GdPictureSegmenter class to offer segmentation features (requires an Ultimate license).
- GdPicturePDF: new overload of MergeDocuments() to enable control over some merging options.
- Improved color detection engine.
- Improved PDF/OCR engine.
- Improved all barcode reader engines (speed & accuracy).
- DocuVieware: new RegisterOnTextAnnotated(docuViewareID, callback) JavaScript event.
- DocuVieware: new HighlightSelectedText(docuViewareID, [color]) JavaScript function.
- DocuVieware: new StrikeoutSelectedText(docuViewareID, [color]) JavaScript function.
- DocuVieware: new UnderlineSelectedText(docuViewareID, [color]) JavaScript function.
- DocuVieware: new AddSelectedTextContextMenuitem(docuViewareID, caption, callback) JavaScript function.
- DocuVieware: new AddAnnotationsActionButton(docuViewareID, title, icon, callback) JavaScript function.
- DocuVieware: new EnableSelectedTextAnnotationEdition .NET property.
- Battery of minor bug fixes.

GdPicture.NET 14.0.42 (March 9th 2018)

- GdPictureOCR: added support for obtaining the page segmentation without characters recognition.

- Improved MRC engine. Speed and compression rate.
- Improved speed & robustness of the PDF417 recognition engine.
- DocuVieware: Selected text context menu now provides direct highlight, strikeout and underline features.
- DocuVieware: New .NET property: EnableTextSelectionAnnotation.
- Battery of minor bug fixes.

GdPicture.NET 14.0.41 (March 1st 2018)

- Improved blank page detection speed & accuracy.
- Improved PDF rasterizer memory usage.
- Improved PDF parser.
- Improved robustness of PDF417 engine.
- Battery of minor bug fixes.

GdPicture.NET 14.0.40 (February 23rd 2018)

- Improved PDF417 barcode reader accuracy.
- Fixed a licensing issue.

GdPicture.NET 14.0.39 (February 22nd 2018)

- 1D barcode reader: speed improved.
- DataMatrix barcode reader: Improved accuracy.
- QR code reader: Improved accuracy and speed.
- Fixed a regression into the PDF417 barcode reader.
- GdPicturePDF: new method HasXFAFormFields().
- Fixed Digital Signature issues with encrypted documents.
- Improved process of applying Multiple Digital Signatures, especially when using Signature Place Holders.
- GdPicturePDF: new overload of SetSignaturePosFromPlaceHolder() to select place holder by name.

- DocuVieware: new JavaScript function GetPageFormFields().
- DocuVieware: new JavaScript function UpdateFormFields().
- Battery of minor bug fixes.

GdPicture.NET 14.0.38 (February 14th 2018)

- Improved PDF formfields support.
- DocuVieware: new javascript function AddAnnot.
- DocuVieware: new JavaScript function AddCustomSnapIn().
- Battery of minor bug fixes.

GdPicture.NET 14.0.37 (February 8th 2018)

- Battery of minor bug fixes.

GdPicture.NET 14.0.36 (February 3rd 2018)

- Battery of minor bug fixes.

GdPicture.NET 14.0.35 (February 1st 2018)

- GdPictureOCR: new method GetParagraphBlockIndex()
- GdPictureOCR: new method GetTextLineParagraphIndex()
- GdPictureOCR: new method GetWordLineIndex()
- GdPictureOCR: new method GetCharacterWordIndex()
- Improved PDF rendering.
- Battery of minor bug fixes.

GdPicture.NET 14.0.34 (January 25th 2018)

- DOCX rasterizer: Introduced support for rotated pictures.
- DOCX rasterizer: Introduced support for sub tables.
- DOCX rasterizer: Introduced support for structured document content within tables.
- DOCX rasterizer: Improved speed and accuracy for the rendition of tables.

- RTF rasterizer: added support for image rendering.
- OCR: improved recognition speed on HQ bitmap.
- TWAIN: improved memory transfer mode.
- PDF rasterizer: improved pattern rendering.
- PDF417 barcode reader: Improved speed and accuracy.
- GdPicturePDF class: updated interface of AddRadioButtonFormField method.
- Battery of minor bug fixes.

GdPicture.NET 14.0.33 (January 17th 2018)

- GdPictureImaging: new method PrintSetPageSelection().
- GdPicturePDF: GetAnnotationReadOnly marked as deprecated.
- GdPicturePDF: SetAnnotationReadOnly marked as deprecated.
- GdPictureOCR: new method GetTextLineValue().
- Improved the font substitution mechanism.
- DOCX: Improved the rendition of tables.
- DOCX: Introduced support for alternative content.
- GdPictureDocumentConverter: new property PdfBitonallImageCompression.
- GdPictureDocumentConverter: new property PdfColorImageCompression.
- GdPictureOCR: removed recently introduced RunOCR() and GetOrientation() methods taking a GdPicture image as parameter*.
- OCR: added support for page orientation detection for arabic language.

*Now the SetImage() method must be called before doing OCR process(es). This has been done to ensure consumer to take advantage of all possible internal optimizations, especially in multiple zones OCR context.

GdPicture.NET 14.0.32 (January 08th 2018)

- Fixed a critical regression introduced in the 14.0.31 about a GDPICTUREIMG_GetImageFormat function missing.
- Some memory usage improvements to the OCR engine.

GdPicture.NET 14.0.31 (January 05th 2018)

- GdPictureOCR: new property CharacterBlackList.
- GdPictureOCR: new property EnableSkewDetection.
- GdPictureOCR: new property EnableOrientationDetection.
- GdPictureOCR: new property OrientationDetectionAccuracyLevel.
- Improved autodeskew engine speed and accuracy.
- Introduced support for loading CUR files.
- Battery of minor bug fixes.

GdPicture.NET 14.0.30 (January 03rd 2018)

- Improved blank page detection accuracy.
- Improved page orientation detection accuracy.
- Improved autodeskew engine accuracy.
- Improved PDF/OCR generation accuracy and speed.
- Battery of minor bug fixes.

GdPicture.NET 14.0.29 (December 19th 2017)

- Fixed a problem reading some specific WSQ files.
- Improved PDF rasterizer engine with non embedded fonts.
- Improved blank page detection engine accuracy.
- Improved borders removal engine accuracy.
- Fixed a bug into the OCR engine while processing non common image resolutions.
- Battery of minor bug fixes.

GdPicture.NET 14.0.28 (December 14th 2017)

- New GdPictureOCR class with advanced OCR capabilities and segmentation features.
- New format supported: WSQ. (Wavelet scalar quantization).

- OCR methods of the GdPictureImaging class are now deprecated. The new GdPictureOCR class must be used instead.
- Improved pdf text extraction and search algorithms.
- Improved PDF rasterizer with better handling of non embedded fonts and by adding support to non standard color spaces produced by popular PDF generators.
- Reduced OCR memory usage, especially in multithread context.
- Datamatrix reader engine: Improved accuracy by introducing support for several string encoding.
- PDF417 reader engine: Improved accuracy by introducing support for several string encoding.
- QR Code reader engine: Improved accuracy by introducing support for several string encoding.
- Battery of minor bug fixes.

GdPicture.NET 14.0.27 (December 01st 2017)

- Fixed a problem causing the OCR not to recognize large image files.
- Improved speed of the GdViewer control (WPF edition) for annotations drawing and rendering.
- 1D barcode engine: improved accuracy to avoid false positives.
- 1D barcode engine: improved speed.
- 1D barcode writer: fixed a problem causing some characters not to be encoded properly.
- PDF417 barcode writer: fixed a crash.
- DocuVieware: new JavaScript function GetCurrentSearchOccurrenceIdx().
- Battery of minor bug fixes.

GdPicture.NET 14.0.26 (November 21st 2017)

- Improved jpeg2000 encoding / decoding speed and memory usage.
- Barcode 1d reader: improved recognition speed.
- All barcode reader engines: improved robustness.

- Barcode PDF417 reader engine: reduced memory used.
- Barcode Datamatrix reader engine: reduced memory used.
- GdPicturePDF: new method GetFontData().
- Improved PDF parser engine.
- Improved pdf rendering engine.
- Improved borders detection filters.
- Improved blank pages detection algorithm.
- Improved TWAIN memory transfer mode and added compatibility with some CANON drivers producing invalid bitmap headers.
- DocuVieware: new JavaScript function GetSearchResultsCount().
- DocuVieware: new JavaScript function SearchNavigateToOccurrence().
- DocuVieware: new JavaScript function RegisterOnSearchInvoked().
- DocuVieware: new JavaScript function RegisterOnAnnotationMouseEnter().
- DocuVieware: new JavaScript function RegisterOnAnnotationMouseLeave().
- Battery of minor bug fixes.

GdPicture.NET 14.0.25 (November 01st 2017)

- Barcode 1D engine: Improved accuracy and speed.
- Improved the accuracy of the color detection engine.
- Improved PDF rendering with type 3 fonts.
- Improved PDF rendering with badly encoded font references.
- Improved TWAIN acquisition support.
- Improved GdViewer (WinForm) rendering and behavior with native screen scale.
- Improved PDF parser to better handle some corrupted data.
- DocuVieware: new property EnableDocumentsDrop.
- DocuVieware: new Javascript function RegisterOnFullscreenModeChanged().

GdPicture.NET 14.0.24 (October 17th 2017)

- improved auto-deskew algorithm.

- improved JPEG decoder for tiff format to better handle malformed images.
- improved pdf annotations rendering.
- improved GdViewer WPF gesture support to produce a better user experience.
- 1D barcode engine: improved speed and accuracy.
- battery of minor bug fixes.
- Updated Digital Signatures with Hash selection and SHA256 as default.
- Updated Digital Signatures with Timestamp functionality.
- GdPicturePDF: DigiSign() method and all overloads marked as deprecated.
- GdPicturePDF: DigiSignWithStamp() method and all overloads marked as deprecated.
- GdPicturePDF: SigSetCertificationLevel() method marked as deprecated.
- GdPicturePDF: SigSetCertFromP12() method and all overloads marked as deprecated.
- GdPicturePDF: SigSetCertFromStore() method marked as deprecated.
- GdPicturePDF: SigSetCertFromSmartCard() method marked as deprecated.
- GdPicturePDF: SigSetCertFromSmartCardBySerialNumber() method marked as deprecated.
- GdPicturePDF: SigSetSignaturePos() method marked as deprecated.
- GdPicturePDF: SigSetStampImage() method marked as deprecated.
- GdPicturePDF: SigSetSignatureInfos() method marked as deprecated.
- GdPicturePDF: SigSetText() method and all overloads marked as deprecated.
- GdPicturePDF: SigShowValidationMark() method marked as deprecated.
- GdPicturePDF: SigSign() method and all overloads marked as deprecated.
- GdPicturePDF: new method SetSignatureCertificationLevel().
- GdPicturePDF: new method SetSignatureCertificateFromP12() + 1 overload.
- GdPicturePDF: new method SetSignatureCertificateFromStore().
- GdPicturePDF: new method SetSignatureCertificateFromSmartCard().
- GdPicturePDF: new method SetSignatureCertificateFromSmartCardBySerialNumber().
- GdPicturePDF: new method SetSignaturePos().
- GdPicturePDF: new method SetSignatureStampImage().
- GdPicturePDF: new method SetSignatureInfo().
- GdPicturePDF: new method SetSignatureText() + 1 overload.

- GdPicturePDF: new method SetSignatureValidationMark().
- GdPicturePDF: new method SetSignatureTimestampInfo().
- GdPicturePDF: new method SetSignatureHash().
- GdPicturePDF: new method ApplySignature() + 1 overload.
- GdPicture : new public Enum PdfSignatureHash.

GdPicture.NET 14.0.23 (October 06th 2017)

- GdPictureImaging: new method FxBitonalDespeckleAdvanced()
- new enumeration DespeckleType
- GdViewer Winform: improved zooming and panning, especially in multiple page view mode.
- Battery of minor bug fixes.

GdPicture.NET 14.0.22 (October 03rd 2017)

- Improved PDF parser speed.
- Improved 1D & 2D barcode reading accuracy and speed.
- DocuVieware: improved .NET core demo.
- DocuVieware: improved UI responsiveness.
- Battery of minor bug fixes.

GdPicture.NET 14.0.20 (September 21st 2017)

- Improved 1D barcode reading accuracy and speed.
- Battery of minor bug fixes.

GdPicture.NET 14.0.19 (September 15th 2017)

- Improved Punch hole removal filter accuracy.
- Improved blank page detection engine accuracy.
- Improved 1D barcode reader accuracy.
- Improved DataMatrix barcode reader accuracy.
- Improved PDF417 barcode reader accuracy.

- Improved PDF packing speed.
- Battery of minor bug fixes.

GdPicture.NET 14.0.18 (August 31st 2017)

- Improved TWAIN memory transfer mode with CCITT4 encoded dib.
- improved autodeskew filter.
- improved speed and memory usage of the toolkit core.
- improved ocr accuracy and speed.
- PdfConformance enumeration: added new member PDF_UA_1.
- Improved image decoders of the PDF engine to reach best performance and better support for malformed data.
- Improved MICR engine especially for e13b font detection.
- DocuVieware: improved rendering quality.
- Battery of minor bug fixes.

GdPicture.NET 14.0.17 (August 19th 2017)

- OCR: Fixed issues with reading Japanese vertical text.
- OCR: Fixed issues with reading mix of Hebrew and English text (heb+eng).
- OCR: Fixed issues with reading Arabic text (ara).
- OCR: Fixed issues with reading English vertical text.
- OCR: Fixed an issue causing characters to be replaced with the rejection character.
- OCR: Improved memory handling and speed.
- OCR: Fixed memory allocation failures management.
- OCR: Fixed an issue causing white list and black list not to work properly.
- BARCODE 1D: Improved robustness for reading IATA2OF5 barcodes, avoiding some false positives.
- BARCODE PDF 417: Fixed a bug preventing some PDF417 to be read.
- BARCODE 1D: Improved the accuracy.
- PDF: improved support for keeping initial PDF conformance after edition.

- PDF merging: added support for merging any kind of PDF/A by keeping input conformance.
- DocuVieware: improved form field filling support.
- DocuVieware: improved speed when sticky session is not enabled.
- Battery of minor bug fixes.

GdPicture.NET 14.0.16 (August 10th 2017)

- GdPicturePDF: added opentype font support to AddTrueTypeFontFromFile(), AddTrueTypeFont(), AddTrueTypeFontU() and AddTrueTypeFontFromFileU() methods.
- New IsBlank() overload to specify if punch holes must be taken into account.
- Battery of minor bug fixes.

GdPicture.NET 14.0.15 (August 04th 2017)

- Improved blank page detection accuracy.
- Added support for region of interest to the blank page detection algorithm.
- Improved speed of the PDF rasterizer for jbig2 bitmap.
- Battery of minor bug fixes.

GdPicture.NET 14.0.14 (July 28th 2017)

- GdViewer (WinForm and wpf) now honors the exif rotation tag of the displayed image.
- Improved blank page detection accuracy.
- Improved color detection and MRC accuracy.
- DocuVieware: added support for link to URI.
- Battery of minor bug fixes.

GdPicture.NET 14.0.13 (July 23rd 2017)

- GdPictureImaging: improved primitive drawing speed (rectangle, ellipse, line, path...) (up to 3x faster)
- Improved blank page detection filter accuracy.
- Improved color detection filter accuracy.

- DocuVieware: new SetAnnotPropertiesToDisplay() JavaScript function.
- DocuVieware: new ResetAnnotPropertiesToDisplayDefault() JavaScript function.
- Battery of minor bug fixes.

GdPicture.NET 14.0.12 (July 17th 2017)

- Dramatically improved MICR engine accuracy and speed with checks.
- GdPictureImaging: new method ForceTopDown()
- GdPictureImaging: new method ForceDownTop()
- Punch hole removal filter is now able to remove punch holes from greyscale and color images.
- Punch hole removal filter now removes punch holes from documents scanned with a white background scanner.
- Punch hole removal filter now removes punch holes made by specialized hole punch for comb binding (rectangles).
- DocuVieware: improved memory usage with large documents.
- battery of minor bug fixes.

GdPicture.NET 14.0.11 (July 11th 2017)

- Improved document format detection.
- Improved auto-deskew accuracy.
- Battery of minor bug fixes.

GdPicture.NET 14.0.10 (July 07th 2017)

- GdPicturePDF: added support form CMYK JPEG file to the AddJpegImageFromFile() & AddJpegImageFromStream() method.
- Datamatrix barcode reader engine: Fixed a bug causing some umlauts not to be read properly.
- Qr barcode reader engine: Fixed a bug causing GdPicture.NET not to interpret properly some raw bytes within QR code (accuracy +4%)

- 1D barcode reader engine: Fixed a bug causing some barcodes not to be detected when the expected number of barcode is set to a value different than 1
- DocuVieware: DocuViewareManager: new overload of SetupConfiguration() to specify the application URI.
- DocuVieware: Added support for ASP.NET Core Web Applications (.NET Framework).
- DocuVieware: New JavaScript function AddLinkAnnotInteractive().
- DocuVieware: Added link annotation support in built-in annotation palette.
- Battery of other minor bug fixes.

GdPicture.NET 14.0.9 (June 27th 2017)

- Barcode 1D: Improved the accuracy for some difficult cases of code 128.
- Barcode 1D: Improved the accuracy for some degraded code 39.
- 2D Barcode writer: Fixed a bug affecting Datamatrix Edifact encoding.
- Docx: fixed a problem causing images not to be rendered properly in headers and footers.
- Docx: fixed a problem causing images not to be rendered at the correct location.
- Docx: Improved table borders rendition.
- Improved RTF and PDF rendering engines.
- DocuViewareManager: new static overloaded method SetupConfiguration(bool StickySession, DocuViewareSessionStateMode SessionStateMode, string CacheFolder)
- DocuVieware: new enumeration DocuViewareSessionStateMode.
- DocuVieware: CacheFolder & StickySessionsEnabled properties have been marked as obsolete.
- Battery of minor bug fixes.

GdPicture.NET 14.0.8 (June 19th 2017)

- Introduced a new filter to dropout colors into several contexts: drop out forms, etc.
- GdPictureImaging: new method FxColorDropout().
- new enumeration ColorDropoutFilter.
- battery of minor bug fixes.

GdPicture.NET 14.0.7 (June 16th 2017)

- Improved PDF rendering quality with small bitmap.
- GdPicturePDF: new `OcrPages()` overload to specify if the method must run synchronously.
- GdPictureImaging: new method `MeasureTextBox()`.
- GdPictureImaging: new method `TwainIsMemoryTransferModeAvailable()`
- GdPictureImaging: new method `TwainAcquireToMemoryFile()`
- GdPicturePDF: new method `PrintSetPreRasterization()`.
- GdViewer (WinForms and WPF): new method `PrintSetPreRasterization()`.
- GdViewer WinForm: fixed a flickering issue while navigating through multipage documents in single page view mode.
- Battery of performance enhancements, especially for getting and setting bitmap data.
- Improved speed and dramatically reduced memory usage while converting bitmap to 32 bpp.
- `ViewerZoomMode` enumeration: new member `ZoomModeShrinkToViewerWidth`.
- GdViewer (WinForm & WPF): added new zoom mode: Shrink image to viewer width.
- GdViewer (WinForm): new method `SetZoomShrinkWidthViewer()`
- Docx: Fixed an issue with specific headers and footers causing some not to be rendered.
- Docx: Added the rendition of the page numbers.
- RTF: Implementation of underline support.
- RTF: Implementation of paragraph justification support (horizontal alignment of type "both").
- RTF: Implementation of forced line breaks support.
- RTF: Fix incorrect page break detection bug.
- DocuVieware: Improved file transfer mechanism to recover from transfer error.
- DocuVieware Improved speed when sticky session is disabled.
- DocuVieware Improved error handling and diagnostic mechanism.
- DocuVieware New mobile/touch device optimized toolbar.
- DocuVieware New .NET property `ToolbarStyle` to choose between auto, desktop or mobile.
- DocuVieware Improved rendering quality on devices with high pixel density.
- Battery of minor bug fixes.

GdPicture.NET 14.0.6 (June 2nd 2017)

- Added support for rtf document.
- Dramatically Improved docx rendering speed.
- PDF: fixed a bug preventing to set the owner password when the user password was empty.
- PDF printing: reduced generated spool size for some complex documents.
- PDF printing: improved quality of produced pages, especially with virtual printers.
- Barcode QR: +24% accuracy.
- Barcode Datamatrix: Fixed a bug causing some characters not to be properly decoded.
- Datamatrix encoder: Fixed a bug when encoding a string starting with FNC1 character.
- Improved the efficiency tables rendition for docx.
- Improved text extraction and selection for docx and txt documents.
- DocuVieware: Dramatically decreased the amount of data required to handle free hand drawing annotations.
- DocuVieware: Added Slovenian language support.
- DocuVieware: new .NET method TwainSetCapCurrentNumeric().
- DocuVieware: new .NET method TwainSetCapCurrentString().
- DocuVieware: new JavaScript function TwainSetConfig().
- DocuVieware: new JavaScript function TwainGetLocalServiceStatus().
- DocuVieware: new JavaScript function TwainGetSources().
- DocuVieware: new JavaScript function TwainDownloadServiceSetup().
- DocuVieware: new JavaScript function TwainAcquireToNewDocument().
- DocuVieware: new JavaScript function TwainAcquireToCurrentDocument().
- DocuVieware: TwainSetConfig JavaScript function has been improved to accept advanced TWAIN configuration.
- Battery of minor bug fixes.

GdPicture.NET 14.0.5 (May 24th 2017)

- 1D barcode reader: Improved the accuracy when the image contains several barcodes.
- GdViewer (winform) fixed an annotation flickering issue.

- GdPicturePDF: new overload SaveToStream() to specify linearization.
- GdPicturePDF: New overload method NewPDF() to specify PDF conformance to use (any PDF/A is supported).
- DOCX renderer: Added support for images encoded by the mean of legacy format Vector Markup Language (VML).

GdPicture.NET 14.0.4 (May 19th 2017)

- Docx rasterizer: Improved the rendition of tables.
- Improved the PDF rasterizer.
- DocuVieware: SetAnnotDefaultAuthor JS API now takes an extra parameter to define if the author field should be read-only or not.
- DocuVieware: New JS function: EnableAnnotEditionOnDbClick.
- Battery of minor bug fixes.

GdPicture.NET 14.0.3 (May 12th 2017)

- GdViewer (WinForm): new event: RegionMovedByUser.
- GdViewer (WinForm): new event: RegionResizedByUser.
- Improved blank page detection filter.
- Improved docx rasterizer.
- Fixed a bug with some PDF generated with annotations causing an error message on Adobe reader at opening.
- Battery of other minor bug fixes and minor improvements.