SmartSource®

SmartSource® Professional Scanner with Anti-fraud Image Camera

The anti-fraud feature coupled with the improved efficiency and reduced maintenance requirements of the new SmartSource Professional scanner make it an unbeatable combination of features and operating effectiveness.

SmartSource Professional UV

Digital Check has provided the financial industry with over 100 years of innovation and excellence based on an in-depth knowledge of its operational requirements. Continuing that tradition is a new SmartSource Professional with an optional ultraviolet (UV) or infrared (IR) image camera designed to offer customers fraud protection by identifying suspected fraudulent items. Digital Check-developed technology incorporates UV and IR sensors in the front image camera allowing both the normal black and white and gray scale images as well as a UV or IR image of checks that contain UV or IR security features.

Invisible Fraud Protection – How it Works

UV or IR enabled checks prevent fraud by making it more difficult to alter checks without disturbing the UV or IR ink that is printed on the check, typically in the most sensitive areas such as the signature area, the codeline and both the legal and courtesy amount areas. Because the UV or IR ink is highly sensitive to UV or IR light respectively but is virtually invisible under natural light, a UV or IR enabled check that is altered will reveal the alteration even though the physical check under natural light may show no alterations. Likewise if a high quality copy of a UV or IR enabled check is presented, the UV or IR ink will be absent on the copy resulting in detection of a suspected fraudulent check.

Return on Investment

The image produced by the Digital Check SmartSource Professional UV scanner can be evaluated automatically by application software substantially improving the ability to detect suspected fraudulent items without the overhead and time needed to handle and inspect the documents manually. Therefore, every check can be evaluated regardless of its value and as an added benefit the UV or IR image is available to all stages of the payment cycle and can therefore be linked to a fraud report or integrated with other anti-fraud systems as needed.

SmartSource Professional UV Technical Information

Document Processing Throughput	Dimensions
Document throughput of 30, 55, 80 or 120 documents per minute (dpm) (Throughput impacted when capturing more than one image type)	Length: 10.5 in (26.7 cm) Depth: 5.99 in (15.2 cm) Height: 7.0 in (17.8 cm)

Power Requirements	Document Hopper
100-240 VAC @ 50/60 Hz	Up to 100 item hopper capacity

Weight	Document Feeder
Installed weight: 6.5 lbs. (3.0 kg) Power supply: 0.75 lbs. (0.34 kg)	Automatic document feeder Double document detection

Certifications	Magnetic Ink Character Recognition (MICR)
CE, UL/TUV, CSA, RoHS, VCCI, FCC Class A	E13B and CMC7 read with auto-detect

Document Sizes	Image Capture

Document size
- Height (min./max.): 2.00 to 4.25 inches (5.08 to 10.80 cm)
- Length (min./max.): 2.90 to 9.25 inches (7.37 to 23.5 cm)
Document weight
- Paper weight, nominal: 20 to 24 lb
  - 20 lb. long grain (75 gr/m^2)
  - 24 lb. short or long grain (90 gr/m^2)
Document Height-to-Length ratio
  - Minimum aspect ratio: 1.50
	Front and rear image capture at 300 dots per inch (dpi)
	Gray Scale mode
	- Up to three (3) front images, each with independent color control (Infrared, Gray, or Ultraviolet)
	  - Bi-tonal (1-bit, black/white), CCITT compressed
	    - 240 or 200 dpi
	  - Gray Scale (8-bit), JPEG compressed
	    - 240, 200, 120, 100 dpi
	- Up to two (2) rear images
	  - Bi-tonal (1-bit, black/white), CCITT compressed
	    - 240 or 200 dpi
	  - Gray Scale (8-bit), JPEG compressed
	    - 240, 200, 120, 100 dpi
	300 dpi Color mode (reduced throughput) – Device Suite only
	- Front pseudo-color image, 24-bit bitmap (Infrared, Gray, Ultraviolet)
	- Rear color image, 24-bit bitmap (Red, Green, Blue)

Communication Interface	Image Compression Standards
USB 2.0 high-speed	CCITT Group 4 (bi-tonal images) JPEG Baseline (gray level images) Uncompressed 24-bit, RGB pixel data (color images) – Device Suite only

Operating Systems	Optical Character Recognition (OCR)
Windows XP Professional 32-bit Windows VISTA Business 32 and 64-bit Windows 7 Professional 32 and 64-bit Windows 8 Professional 32 and 64-bit Windows 10 Professional 32 and 64-bit	OCR-A, OCR-B and E13B fonts supported Two (2) 0.50 inch OCR scan bands provided 96 characters per scan band MICR/OCR combine read

Operator Interface	Endorsement
Power switch Combined Feeder Start/Stop and SmartClear Button Light Emitting Diode (LED) - Three (3) LED status lights	Front Franker - Franking roller with fixed message - Franking actuation, controlled programmatically Rear Endorser - Ink jet print cartridge (600 dpi) - One (1) to four (4) line endorsement, any True Type font - Two (2) vertical endorsement locations, manually selected by operator allows eight (8) single-line vertical endorsement locations - Graphics capable for logos and signatures - Three (3) levels of print quality (economy, standard, or premium) - Programmatically controllable based on MICR and/or OCR read

Application Programming Interfaces (API)	Output Pockets
CAPI (Common Application Programming Interface) Device Suite Professional PC version Ranger® for SmartSource	Single or dual pocket configuration available 100 item pocket capacity per pocket Pocket selection under application control, based on MICR, OCR, and/or Image Quality results

NOTES: Not every API Operating System combination may be qualified. Contact your application provider for more information.

Specific capabilities may not be supported by every API or will require a minimum API version. Contact Burroughs for more information.

For more information about the entire line of Digital Check Financial Products, call 1-847-446-2285 or visit www.**digitalcheck**.com

SmartTIP For more information use your smartphone and snap a photo.

PS10-0075-400