

# hybrid image + OMR scanner

*for efficiently processing forms*



Government, elections



Education, exams



Healthcare, survey



- ☐ OMR reading heads (red or infrared)
- ☐ CIS colour cameras 200 dpi
- ☐ Single or Dual sides
- ☐ 100 ppm in greyscale / 40 ppm in colour
- ☐ USB-2 connection

## hybrid optical mark reader for processing efficiently forms

hem300C combines both technologies in one sole device. The CIS scanning module capture the image at 200 dpi in colour (or grey scale) when the OMR head capture the marks in pre-printed bubbles. This device allies the reliability and speed of the OMR technology and provides images for archiving or other additional recognitions.

### PAPER TRANSPORT

- Input tray for approx 500 forms (100g/m<sup>2</sup>)
- Two guided output trays
- Minimum format 110 x 50 mm / 4.3" x 2.0"
- Maximum format 305 x 230 mm / 12" x 9"
- Paper quality 80-140 g/m<sup>2</sup>, non-chemical
- Automatic detection of double feeds
- Length in transport direction (portrait)

### SPEED

- Transport speed 0.5 & 1.2 m/s - 20 % 47" /sec
- Rated throughput up to 7'000 forms/h (DIN/A4)

### OMR

- 40 tracks (1/5") or 48 tracks (1/6") reading head
- Automatic adjustment to background colour and paper quality
- Red head for ballpoint and pencil marking, or infrared for pencil marking, self cleaning

### IMAGES

- CIS colour camera 24 bits
- Colour images 200 dpi JPEG
- Alternatively greyscale images 150 dpi JPEG
- Snippets colour or greyscale, JPEG or uncompressed
- Digital colour filter

### COMMUNICATION

- USB interface
- API for Windows NT / XP

### PHYSICAL CHARACTERISTICS

- Power supply 110-250 V; max 120W (all options)
- Weight 24 kg / 53 lbs
- Dimensions: (L x l x h) 63x36x30cm / 9.5x14x12"
- Operating temperature: 10-40°C (50-104°F)

### OPTIONS

- Backside kit OMR head & CIS camera (duplex)
- Barcode heads (front and backside)
- Inkjet printer (post-scan)

Axiome is a Swiss company specialized in automatic ID and data capture. The company also develops and manufactures peripherals for optically reading documents with marks (OMR), characters (OCR & ICR), images, barcodes and RFID Tags.

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# Preliminary

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