

# Fusion



Designed from the ground up for military and law enforcement personnel operating in a variety of austere environments around the globe, the Fusion handheld device provides these professionals a lightweight, wireless, multimodal biometric collection and identification solution. Built to U.S. Department of Defense MIL-STD-810F and Ingress Protection (IP) standards, the Fusion device is highly rugged, yet fits in the cargo pocket of standard tactical trousers.

The Fusion device, 3M Cogent's latest state-of-the-art handheld biometric tool, can capture and store 100,000-plus (scalable) records: forensic-quality fingerprints, latent fingerprints, iris images, photos, and textual data. Other optional capabilities include searching and matching against internally-stored biometric records; 360° latent print searching; wireless connectivity via 802.11b/g, 3G cellular radio, or Bluetooth; GPS tagging of all records collected; and the lightest weight of any device of its type on the market today—just over one pound.

- > 1 x 1 in. 500 ppi optical fingerprint scanner
- > EBTS (FBI/DoD) compliant
- > Capture/search against 10 fingerprints
- > Iris image capture and on-device search capable
- > Latent fingerprint capture and 360° latent search capable
- > Facial photo capture and retrieval
- > Integrated RF communications: 802.11b/g, Bluetooth, 3G cellular



◀ Integrated latent, iris, and facial cameras

**Multi-Modal Handheld Device**

# Fusion

## Technical Specifications

### Physical Specs:

- > Length: 8.74 in. (222 mm)
- > Width (at widest portion): 4.61 in. (117 mm)
- > Height: 2.91 in. (74 mm)
- > Weight: 1.2 lbs (0.5 kg)
- > Display: 3.5 in. color QVGA (touch screen optional)
- > Keypad: Expanded QWERTY
- > Expansion Slot: up to 16 GB MicroSD
- > Rechargeable Li-Ion 4.2 V 4400 mAh battery pack for 8+ hours continuous operation, hot swappable

### Performance Specs:

- > Operating System: Linux
- > Memory: 128 MB DDR SDRAM / 128 MB Flash
- > Interface: USB 2.0 client, USB 1.1 host

### Collection Specs:

- > Fingerprint: 1 x 1 in., 500 ppi forensic-quality optical, FBI PIV-071006 Mobile ID SAP 30
- > Latent: D2 = 500 ppi, D3 = 1,000 ppi
- > Iris: 2 megapixels
- > Face: 1.3 megapixels

### Wireless Specs:

- > WLAN: 802.11b/g (supports standard WiFi encryption)
- > WWAN Radio: GSM/GPRS/EDGE/UMTS or CDMA EV-DO
- > WPAN: Bluetooth (Version 2.0)
- > Embedded GPS (files automatically tagged)



Face, fingerprint, latent print and iris capture capabilities.

### Available Models

Model	Fusion-D1	Fusion-D2	Fusion-D3
Capabilities			
Fingerprint	C, OM	C, OM	C, OM
Face	C	C	C
Iris	C	C, OM	C, OM
Latent	-	A	C, OM
Touch Screen	A	A	S

C = Capture capable, OM = On-board matching, A = Available, S = Standard

*Beyond Comparison™*