



Patent pending

USB Fusion Cam Specifications

- **Dimensions: 1.9" X 1.9" X 1.8" D (4.8 cm X 4.8 cm X 4.6 cm D)**
- **Clip-mount to top of monitor, top of laptop screen or touchpad**
 - Clip facing user for logon/SSO type apps or face outward on USB touchpad for standing users
- **Connects to PC/laptop via USB 3.0 Superspeed (SS), Windows 7/10 compatible**
- **Ergonomic user positioning with live video feedback via monitor display, 3~5 sec.**
- **Biometric operating range: 14" - 21" (36 – 53 cm). Reliability: MTBF > 10 years**
- **Biometric fusion of both irides with full face, eliminates iris outliers**
- **Typical fusion performance: FAR 10E-20 to 10E-60 & FRR <0.5%**
 - Error-free ID for regional or national scale biometrics with FAR threshold setting <10E-17
- **Liveness check with strong digital security. Prevents biometric theft and attempted replay**
 - Prevents ID theft within deployed/connected application(s)
- **Compatible with 3rd party iris & facial biometric software. Seamless to Cloud matching**
 - Via licensing ID-as-a-Service
- **Compatible with color video apps (E.g., Skype, etc.)**

Biometric Compliance

ISO/IEC TR 29794-5, Face	Description	ISO Spec	Comply	Typical
Sect. 7.2.1	Image Resolution	>63 pixels for IPD	Yes	>400 IPD
Sect. 7.3.1,2...8	Char. of Image Acq.	Many	Yes	
Sect. 7.3.9	Subject-cam distance	Recommends 0.7 m– 2.5 m, Not a requirement	No	36–51 cm (14"-20") for automated self-service
ISO/IEC 29794-6, Iris	Description	ISO Spec	Comply	Typical
Sect. 7.2.1	NIR illuminators	700 ~ 900 nm	Yes	720 – 900 nm
Sect. 7.2.4	Spectrum	Spectral content & MEP limit	Yes	>20X margin of safety
Sect. 7.3.4	MTF	>50%, 2 line-pairs/mm	Yes	60% ~ 70% contrast
Sect. 7.4.4	Spatial frequency	>15.7 pixels/mm	Yes	>20 pixels/mm
Sect. 7.5 - 7	Optics & S/n	As listed	Yes	

Prototype availability 4Q18
Product availability 1Q19