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An Analysis of Privacy Issues of Face Recognition Technology

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Abstract: Face recognition technology is abused in authentication, social networking, entertainment and other aspects and its privacy protection needs to consider the whole life cycle of technology application. The non-contact feature of face recognition makes the privacy risk more hidden. Facing the power of technology, people have lost the autonomy of face information. From the perspective of “contextual integrity”, the main reasons for the privacy problems of face recognition technology are the mismatch of information attributes, the control of data managers over information transmission principles and the defects of the technology itself. Based on the need to reduce privacy risks, the technology application should be guided by the necessity principle of “matching the technology function with the context”. In addition, we also should change the weak position of users in data management and strengthen the technical means of privacy protection.

Keywords: Face Recognition Technology, Privacy, Contextual Integrity, Privacy Protection Technology

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① Benedikt Driessen, Markus Dürmuth(2013), “ Achieving Anonymity against Major Face Recognition Algorithms,” in Bart Decker, Jana Dittmann, Christian Kraetzer, et al. eds., *Communications and Multimedia Security*, Heidelberg: Springer, 19.

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