

# Preface

Digital television (DTV) and Smart TVs (STV) have become ubiquitous in many parts of the world, enabling a wide range of applications. Smart TV security, however, is still in its infancy and lags behind the security of personal computers. The combination of DTV and insecure STVs has far-reaching implications for the privacy of consumers, but also affects broadcasters and vendors.

This book picks up on the current state of research on DTV and STV security, including novel results from theory and practice. A special focus is on the security of broadcast-related digital services and the media playback component of STVs. The book is written to be a useful resource for anyone interested in this field, particularly students, researchers, and professionals, but also for consumers in general.

Chapter 1 gives an introduction into STV security and presents several attack vectors. This is followed by Chap. 2, which presents attacks against the media playback system of STVs. Chapter 3 presents attacks against STVs that are carried out over the broadcast channel and evaluates their applicability in practice. Finally, Chap. 4 discusses the implications for consumers, vendors, and broadcasters.

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