

Australian Standard[®]

Closed circuit television (CCTV)

Part 2: Application guidelines



This Australian Standard® was prepared by Committee EL-051, Non-Broadcast Television. It was approved on behalf of the Council of Standards Australia on 9 June 2006. This Standard was published on 30 June 2006.

The following are represented on Committee EL-051:

- Australasian Railway Association
 - Australian Communications and Media Authority
 - Australian Federal Police
 - Australian Security Industry Association Limited
 - Engineers Australia
 - National Security Association of Australia
 - Society of Motion Picture and Television Engineers
-

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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through public comment period.

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PREFACE

This Standard was prepared by the Standards Australia Committee EL-031, Intruder Alarm Equipment and Installations.

The objectives of this Standard are—

- (a) to provide a framework to assist customers, installers and users in establishing their requirements;
- (b) to assist consultants and users in determining the appropriate equipment required for a given application; and
- (c) to provide means of objectively evaluating the performance of an installed system.

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FOREWORD

This Standard will prove useful to those responsible for establishing operational requirements, writing specifications, selecting equipment, installing, commissioning, using and maintaining a CCTV system.

Closed circuit television, in its simplest form, is a means of providing images from a television camera for viewing on a monitor via a transmission system.

There is no theoretical limit to the number of cameras and monitors that may be used in a CCTV surveillance installation but, in practice, this will be limited by the efficient combination of control and display equipment and the operator's ability to manage the system.

The successful operation of a CCTV system requires the active cooperation of the user in carrying out the recommended procedures.

STANDARDS AUSTRALIA

Australian Standard
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1 SCOPE AND GENERAL

1.1 Scope

This Standard provides recommendations for the selection, planning and installation of closed circuit television systems comprising camera(s), monitor(s), video recorder(s), switching, control and ancillary equipment for use in security and surveillance applications.

NOTE: This Standard does not cover audio.

1.2 Referenced documents

The following documents are referred to in this Standard:

AS

2342 Development, testing and implementation of information and safety symbols and symbolic signs

60529 Degrees of protection provided by enclosure (IP Code)

AS/NZS

1768 Lightning protection

2053 Conduits and fittings for electrical installations (all parts and amendments)

3000 Electrical installations (known as the Australian/New Zealand Wiring Rules)

4360 Risk management

4806 Closed Circuit Television (CCTV)

4806.1 Part 1: Management and Operation

4806.3 Part 3: PAL signal timings and levels

ISO

11064 Ergonomic design of control centres

11064-1 Part 1: Principles for the design of control centres

11064-2 Part 2: Principles for the arrangement of control suites

11064-3 Part 3: Control room layout

AS/ACIF

S009 Installation requirements for customer cabling

IEEE

802 Information technology—Telecommunications and information exchange between systems—Local and metropolitan area networks—Specific requirements

802.11 Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications

ITU

BT.601 Studio encoding parameters of digital television for standard 4:3 and wide-screen 16:9 aspect ratios