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Professional tape-less camera recorder

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PROFESSIONAL TAPE-LESS CAMERA RECORDER

FOREWORD

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IEC 62712, which is a technical report, has been prepared by technical area 6: Storage media, data structures, equipment and systems, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

The text of this technical report is based on the following documents:

Enquiry draft	Report on voting
100/1781/DTR	100/1839/RVC

Full information on the voting for the approval of this technical report can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

During the last few years, various types of tape-less camera recorders with different formats have emerged to the broadcast and professional video market. It is desirable to ensure interoperability and to establish its operation. The stage 0 project “Professional tape-less camera recorder” was established to meet these requirements and the purpose of this project was to study the possibility of standardization of this type of products in the current market. The initial step of study was to understand the current status of the products in the market. (Performance comparison is out of the scope of this Technical Report.)

This Technical Report was created as a summary of the project and includes the result of the product survey along with the possibility of standardization. Although the investigation is limited to the products in the market, it does not obstruct or exclude standardization of future products.

PROFESSIONAL TAPE-LESS CAMERA RECORDER

1 Scope

This Technical Report summarizes the results of the study on products and market status of professional tape-less camera recorders. This report also includes the guideline on the possibilities of standardizations for professional tape-less camera recorders, including the following components:

– codec;
– file format;
– metadata;
– recording media;
– interface.

NOTE 1 Each professional tape-less camera recorder used for the product survey is defined as “PRODUCT”.

NOTE 2 Since each PRODUCT is also defined as a “product series” of each manufacturer, PRODUCT may include two or more models with different product specifications.

NOTE 3 Some of the names described in this report represent a trademark or registered trademark of the respective companies. However, symbols such as TM and ® are omitted in this report.

NOTE 4 The interface specifications investigated in this project were limited to a file transfer or compressed bit stream transfer since this report is focusing on a file-based specification.

NOTE 5 The detail specification of each PRODUCT is shown in Annex A.