

Certificate of Acceptance

Certificate No: PA05/00547
Effective date: 09 July 2003

Issue: 2 Date: 09 July 2003
Page 1 of 4

Product:	E-Class CCTV CODEC Digital Transmission Equipment
Manufacturer:	COE Ltd Photon House Percy Street Leeds LS12 1EG

General Conditions:

The product identified above is accepted for use on the Network Rail infrastructure within the scope of acceptance defined below.

Acceptance of any change to the accepted product is liable to a demonstration that risk arising from the change has been assessed and is negligible. **Corresponding change in product configuration (to the actual product or its application) shall be notified to Network Rail Acceptance Services.**

Any deficiency affecting the product shall be reported in writing to Network Rail Acceptance Services.

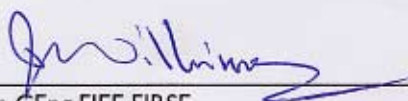
Scope of Acceptance:

The E-Class CCTV CODEC Digital Transmission Equipment is accepted for use on Railtrack infrastructure in non-electrified areas to monitor Level Crossings for confirmation that the crossing is clear when the barriers are in the lowered position.

Specific Conditions:

See Page 2 for the product configuration and specific conditions of use.

Signature:



David Wilkinson CEng FIEE FIRSE
Deputy Chairman, Infrastructure Systems Review Panel

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PRODUCT CONFIGURATION

The E-Class CODEC Digital Transmission Equipment is a digital CODEC (encoder/decoder) product, designed for the transmission of video, audio, data and contact closure signals over digital transmission networks (EI or TI). The equipment comprises:

Part Name	Part Number	Description	PADS No.
Encoder	EC-EI-ENC-V	E-class 2.048 Mb M-JPEG PAL Video coder with EI interface, with user software management system and 3U extended Eurocard.	086/023258
Decoder	EC-EI-DEC-V	E-class 2.048 Mb M-JPEG PAL Video coder with EI interface, with user software management system and 3U extended Eurocard.	086/023259
Codec Shelf	EC-IURK-48DC	E-class 19", 1U rack for a single encoder or decoder card. Rear panel connections for all services, complete with 48 Vdc power supply.	086/023260

Technical specification:

Frame rate = 12.5 frames/ second
 Resolution = 384 x 288 pixels
 Compression = V80
 Video input = 1
 Operation = Video only, no audio or contacts
 DIP switches = Reading Enabled (set up at Commissioning – refer to O&M manual)
 Hardware Version = 1
 Software Version = 2.7
 Password Level = level 1,2 or 3 as selected by the maintainer.

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SPECIFIC CONDITIONS/COMMENTARY

1. This issue of the certificate raises the software version from 2.3 to 2.7. This recognises that the changes up to 2.6 did not change functionality and that 2.7 addressed a power supply issue, following a wrong side failure involving display of a frozen picture without an error message.
2. All new supplies of this product shall be to version 2.7 and it is recommended that all existing equipment in the infrastructure be upgraded to 2.7.
3. The system shall only be used for the purpose described in the COE E-Class Video CODEC system product Safety Case: reference CDT4091, issue 2.1.
4. The requirements of the Display Screen Regulations shall be observed.
5. Only permitted for operation in non-electrified areas.

ASSESSED DOCUMENTATION

Reference	Title	Date
CDT4091 Issue 2.1	COE E-Class Video CODEC system product Safety Case	April 2000
Y98/016-16-1 issue 1.0	Safety Case Follow-up Report for Product Acceptance of COE E-Class CCTV Codec Digital Transmission Equipment for use at Level Crossings	12 Sept 01
ISRP 13/03	ISRP minutes from meeting 07 July 2003	07 July 03

CERTIFICATE HISTORY

This certificate supersedes certificate issue 1.

FILE REFERENCE

RSAB file reference is RSAB/RS03/ 202

Documentation relating to this certificate is located in file: PA05/00547

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DISTRIBUTION

Manufacturer identified on Page 1

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