



Interscience Fire Laboratory

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Peter Ainsworth
Senior Product Manager Europe
Samsung Techwin Europe Limited
Samsung House
1000 Hillswood Drive
Chertsey
Surrey KT16 0PS

Dear Mr. Ainsworth,

Network IP camera

Thank you for asking us to carry out tests called up in BS EN 45545-2: 2013 on your SAMSUNG network camera.

The SAMSUNG Network camera we have been supplied with, is referenced "Model No: SNV-6012 MN PoE DC 37-57V 0.16A".

The camera has a total mass of 417 grammes. The metal base plate has a surface area of 127cm², and a mass of 204 grammes. This mass includes an o-ring. The top metal cover has a mass of 166.28grammes. Inside the main enclosed, there is a metal cover over the camera lens, and this weighs 41.05grammes. The total non-combustible mass including cables is 106 grammes. The electronics is totally encased in this metal body and the only exposed non metallic is a circular dome shaped lens having a diameter of 45mm. The exposed non-metallic component is the camera lens having a diameter of 45mm and a mass of 8.14grammes. The specimen supplied had a 450mm length of cable with a total mass of 35.49grammes. Our assessment shows that the camera on its own has a nominal combustible mass of 71grammes. The mass of this combustible lens is <100grammes.

This type of product does not appear in Table 2 of EN 45545-2. It has therefore to be assessed as Non-listed item. EN 45545-2 Clause 4.3.2 Rule 1 states that for a product with combustible mass of <100 grammes, there are no requirements.

In our view the combustible material in this camera(excluding the cable) is the lens and small electronics circuit. The lens forms the exposed surface and has a mass <100grammes. If in actual use one or two cameras will be used in one train coach and each camera will be several meters away from the second camera then there is no test specified in this standard for this size of product. Based on the statements written in the standard, it can be used without having any tests carried out.

Yours faithfully,

S. Kumar
Technical Manager
30 August 2013