

# Panasonic

## Panasonic Avionics Corporation

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### USERS GUIDE AND REGULATORY STATEMENT

for the

17-INCH SMART MONITOR

RS-FW7874-01

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**USERS GUIDE AND REGULATORY STATEMENT**

**for the**

**17-INCH SMART MONITOR**

**Part Number: RD-FW7874-01**

September 21, 2007

Prepared by:

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## **1.0 INTRODUCTION**

### **1.1 Purpose**

This User's Guide addresses the specific regulations regarding the use of the 17-Inch Smart Monitor.

### **1.2 Reference Documents**

44-27-85      17-Inch Smart Monitor Component Maintenance Manual

### **1.3 Acronyms and Abbreviations**

AOD	Audio On Demand
CD	Compact Disk
EIRP	Equivalent Isotropic Radiated Power
FCC	Federal Communications Commission
GHz	Gigahertz
IFES	In-Flight Entertainment System
MHz	Megahertz
MPEG	Moving Picture Experts Group
PED	Passenger Entertainment Device`
SAR	Specific Absorption Rate
VOD	Video On Demand
WLAN	Wireless Local Area Network

## **2.0 EQUIPMENT/SYSTEM DESCRIPTION**

### **2.1 IFE Environment**

eX2 is an electronic control data and audio/video distribution system providing digital Video on Demand (VOD) and Audio on Demand (AOD) to the passenger seat. The system architecture is modular in design.

eX2 uses Moving Picture Experts Group (MPEG) encoding techniques for audio/video data compression providing high-resolution digital video and CD quality audio to the seats without using excessive system bandwidth. eX2 uses dual fibre-channel links to provide high speed 2.125 Gbps MPEG video/audio data transfer between head-end equipment.

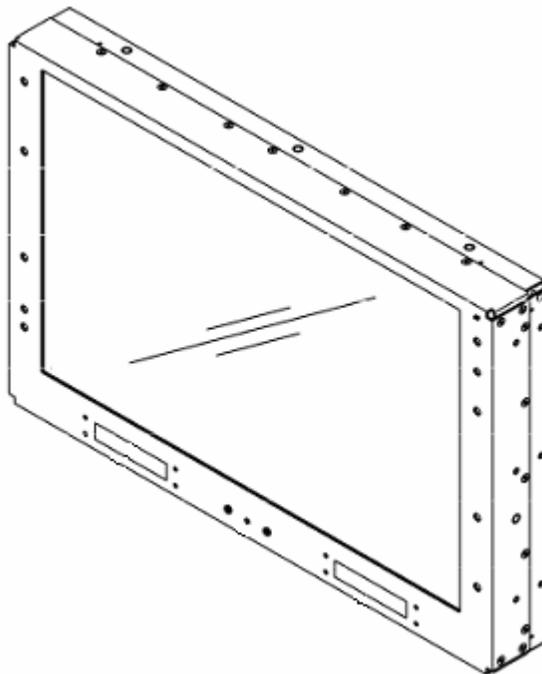
eX2 also provides broadband Ethernet network connectivity between the passenger-computing device at the seat and the head-end network equipment. The system is used for Internet data application and streaming digital video/audio content distribution.

eX2 provides a family of devices that allows the passenger to interact with the system.

### **2.2 17-inch Smart Monitor**

The 17-inch Smart Monitor is a component of the eX2 In-flight Entertainment System (IFES) developed by Panasonic Avionics Corporation. It supplies passengers with a display for video and interactive entertainment.

The 17-inch Smart Monitor drawing is shown in Figure 1.



**Figure 1. 17-inch Smart Monitor (P/N RD-FW7874-01)**

### **3.0 REGULATORY INFORMATION**

This product has been tested and complies with the specifications for a digital device pursuant to FCC specification IEEE 802.11.

#### **3.1 FCC Statement**

The Smart Monitor (SM-17) contains a radio transmitter, intentional radiator, and complies with the specifications for a Class B digital device in accordance with FCC Part 15 Rules.

Modifications to the SM-17 not authorized by Panasonic Avionics Corporation may void the certification of this equipment and void the user's authority to use this equipment.

#### **3.2 SAR Compliance Statement**

This equipment is compliant with SAR limits specified for General Population/Uncontrolled exposure.

#### **3.3 Industry Canada**

The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit an RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from the Health Canada's website [www.hc-sc.gc.ca/rpb](http://www.hc-sc.gc.ca/rpb).

This Class B digital apparatus complies with Canadian ICES-003, RSS210. Cet appareil Numérique de la classe Best conforme à la norme NMB-003 du Canada.

#### **3.4 Europe – R&TTE Directive 99/5/EC, Wireless Notice**

This product is designed as a Class 2 type radio device that utilizes non-harmonized frequencies and power levels for Europe. It is marked with the following warning symbol to bring to your attention to the fact it might not be legal to use this product in every country.

In most cases this product has already been granted permission for use from the individual countries in Europe. If you are unsure, please contact the communications authority for the country to be operated in. In addition to this notice the following countries in Europe have certain restrictions on the operation of 2.4 GHz WLAN type devices:

France – Outdoor use is limited 10mW EIRP within the frequency band 2454-2483.5 MHz.

Italy – If used outside of own premises, general authorization is required.

Luxembourg – General authorization is required for public service.

Romania – Individual license is required.