



# 전기용품안전인증서

## Electrical Appliances Safety Certificate

**안전인증번호:** HU09580-8001A  
(Certificate No.)

**제조업자명:** TianJin Feng Guang Electronic Co., Ltd.  
(Manufacturer)

**대표자명:** Dae Chang, Kang  
(President)

**제조공장의소재지:** No.10-1 Fusheng Rd, Zhongbei Industry Zone, Xiqing District, Tianjin,  
(Factory Address) China

**제품명:** 디스크 플레이어(Digital Video Recorder)  
(Product)

**기본모델명:** SHR-8162  
(Basic Model)

**정격:** 100-240 V~, 50/60 Hz, 4.0-1.5 A  
(Rating)

**파생모델명 (Series Model):**

SHR-7163P	SHR-7160P
SHR-7160N	SHR-7160
SHR-7080P	SHR-7080N
SHR-7080	SHR-8160P
SHR-8160N	SHR-8160
SHR-8080P	SHR-8080N
SHR-8080	SHR-7162P
SHR-7162N	SHR-7162
SHR-7082P	SHR-7082N
SHR-7082	이면기재

**적용기준:** K60950-1  
(Standard) K00022 K00024

「전기용품안전 관리법 시행령」 제4조제3항의 규정에 의하여 위의 전기용품에 대하여 안전인증서를 교부합니다.

We Issue Electrical Appliances Safety Certification as above product by Article 4 Section 3 of the Electrical Appliance Safety Control Law Operation Rule.



2008 년 11 월 27 일  
(Year) (Month) (Day)

한국전기전자시험연구원장  
Korea Electric Testing Institute



첨부서류

1. 안전관리부품 및 재질목록 (List of Critical Components)
2. 기본모델 · 파생모델의 내용 (General Descriptions of Certified Products)
3. 전기용품안전인증의 변경 현황 (Status of Certificate Revisions)



SHR-8082P  
SHR-8082

SHR-8082N

KETI



# 기술문서 Technical Document

page: 1 / 5

안전인증번호: HU09580-8001A  
(Certificate No)

접수번호: 20081027 - 0043  
(Receipt No)

## 1. 기본모델 · 파생모델의 내용 (General Descriptions of Certified Products)

### 1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

구분 (Section)	내용 (Description)
용도 (Normal use)	The apparatus designed to be used for storage and distribution video signal in hard-disk.
내부구조 (Internal construction)	The apparatus consists of SMPS, main board and hard-disk part.
외부구조 (External construction)	The apparatus has metal enclosure, control knobs on front panel, output terminals on rear panel and detachable power cord set used.
기타 (Others)	Class I.

### 1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제14조(안전인증의 표시)에 따라 표시한다.

(Marking of eK Mark: Marking shall comply with enforcement rule Article 14 of the Electrical Appliances Safety Control Law)

### 1.3 등록모델 (Registered Models)

구분 (Class)	모델명 및 정격 (Model / Rating)	기본모델과의 차이점 (Difference between basic model and series model)
기본모델 (Basic model)	SHR-8162 100-240 V~, 50/60 Hz, 4.0-1.5 A	
파생모델 (Series model)	SHR-8082	Model designation and 8 channel camera input/output ports.
	SHR-8082N	Model designation and 8 channel camera input/output ports.
	SHR-8082P	Model designation and 8 channel camera input/output ports.
	SHR-7082	Model designation and 8 channel camera input/output ports and recording resolution of 120 fps.
	SHR-7082N	Model designation and 8 channel camera input/output ports and recording resolution of 120 fps.
	SHR-7082P	Model designation and 8 channel camera input/output ports and recording resolution of 120 fps.



# 기술문서 Technical Document

page: 2 / 5

안전인증번호: HU09580-8001A  
(Certificate No)

접수번호: 20081027 - 0043  
(Receipt No)

SHR-7162	Model designation and recording resolution of 120 fps.
SHR-7162N	Model designation and recording resolution of 120 fps.
SHR-7162P	Model designation and recording resolution of 120 fps.
SHR-8080	Model designation and 8 channel camera input/output ports and delete of optional DVD-RW.
SHR-8080N	Model designation and 8 channel camera input/output ports and delete of optional DVD-RW.
SHR-8080P	Model designation and 8 channel camera input/output ports and delete of optional DVD-RW.
SHR-8160	Model designation and delete of optional DVD-RW.
SHR-8160N	Model designation and delete of optional DVD-RW.
SHR-8160P	Model designation and delete of optional DVD-RW.
SHR-7080	Model designation and 8 channel camera input/output ports and recording resolution of 120 fps and delete of optional DVD-RW.
SHR-7080N	Model designation and 8 channel camera input/output ports and recording resolution of 120 fps and delete of optional DVD-RW.
SHR-7080P	Model designation and 8 channel camera input/output ports and recording resolution of 120 fps and delete of optional DVD-RW.
SHR-7160	Model designation and recording resolution of 120 fps and delete of optional DVD-RW.
SHR-7160N	Model designation and recording resolution of 120 fps and delete of optional DVD-RW.



기술문서  
Technical Document

page: 3 / 5

안전인증번호: HU09580-8001A  
(Certificate No)

접수번호: 20081027 - 0043  
(Receipt No)

SHR-7160P

Model designation and recording  
resolution of 120 fps and  
delete of optional DVD-RW.

SHR-7163P

Model designation and recording  
resolution of 120 fps and  
delete of optional HDD.



# 기술 문서 Technical Document

page: 4 / 5

안전인증번호: HU09580-8001A  
(Certificate No)

접수번호: 20081027 - 0043  
(Receipt No)

## 2. 안전관리 부품 및 재질목록(List of Critical Components)

부품명 (Components)	번호 (Part No)	특성 (Technical Data)	제조사 (Manufacturer)	인증규격 (Certification)
Lithilim Battery	(alt)	Type: CR2025, Maximum abnormal charging current 10 mA	MATSUSHITA ELECTRIC INDUSTRIAL CO LTD (PANASONIC CORP)	UL
Lithilim Battery	(alt)	Type: CR2025, Maximum abnormal charging current 10 mA	WUHAN LIXING (TORCH)POWER SOURCE CO LTD	UL
Power Cordsets	-	Type: KP-30, SVT, KKS-16A, 125/250 V, 7/10 A, 18/3 AWG, type SVT or SJT flexible cord	HWAJIN KDK CO LTD	UL IEC
PWB	-	Rated: Min.V-1, 105 °C	approved UL 796 manufacturer	UL
Lithilim Battery	-	Type: CR2025, Maximum abnormal charging current 10 mA	HITACHI MAXELL Ltd	UL
HDD	-	Rated: Max.6 HDD, 5 Vdc / Max.1.5 A, 12 Vdc / Max.2 A	-	UL UL,TUV
DVD-ROM	-	Rated: 5 Vdc / 1.5 A, 12 Vdc / 1.5 A, Class I	-	UL UL,TUV
DC Fan	-	Type: CF-12825HB, 12 Vdc, 0.22 A	ORIENT TELECOM CO LTD	UL
DVD-ROM	-(alt)	Type: GSA-H5**, 5 Vdc / 1.6 A, 12 Vdc / 1.6 A, Class I	Hitachi-LG Data Storage	UL UL,TUV
DVD-ROM	-(alt)	Type: TS-H652, 5 Vdc / 1.5 A, 12 Vdc / 1.5 A, Class I	Toshiba Samsung Storage	UL UL,TUV
Power Supply	Switching mode	Type: FSP-250-50GUB, Input 100-240 V~, 1-1.5 A, 50-60 Hz (O/P: +3.3 V/17 A, 5 Vdc/18 A, +12 V/17 A, -12 V/0.8 A, +5Vsb/2.0 A	FSP GROUP INC	UL IEC
Enclosure	front	Type: NT-7200(e)(f2), Min.V-0, 1.5 mm thick.	CHEIL INDUSTRIES INC CHEMICALS DIV	UL
Enclosure	mech/elec/fi	Rated: metal, Min.1.0 mm thickness	-	-



# 기술문서 Technical Document

page: 5 / 5

안전인증번호: HU09580-8001A  
(Certificate No)

접수번호: 20081027 - 0043  
(Receipt No)

### 3. 전기용품안전인증의 변경현황(Status of Certificate Revisions)

일자(Date)	발급현황(Status of issues)
2008/11/27	기본+파생모델등록(Basic + Series Model)

### 4. 기타(Carefully Informed Note)

- 1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제9조제1항제2호에 의거 안전인증이 취소될 수 있습니다.

(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(eK Mark) may be withdrawn under Section 2, Paragraph 1, Article 9 of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제9조제1항제4호에 의거 안전인증이 취소될 수 있습니다.

(If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(eK Mark) may be withdrawn under Section 4, Paragraph 1, Article 9 of the Electrical Appliances Safety Control Law)

- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제9조제1항제3호에 의거 안전인증이 중지 또는 취소될 수 있습니다.

(If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no., Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(eK Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 9 of the Electrical Appliances Safety Control Law)

- 4) 조건부 인증사항 (Conditional certification items):

