

TIME LAPSE VIDEO CASSETTE RECORDER

PRODUCT SPECIFICATION

Model Name : **SR40CTCN-A**

FCC ID:BGB485

RS-485 Interface

The protocol is included in the installation manual. The interface is a standard of RS-485.

**MITSUBISHI ELECTRIC CORPORATION
KYOTO WORKS**

1. SPECIFICATION

1.1 Tape format : VHS 1/2" width high-density video cassette tape.
1.2 Input voltage range : AC100-230V 50/60Hz.
1.3 Power consumption : Approx. 18 Watts.
1.4 Television system : 525 lines, 60 fields NTSC-type color system.
1.5 Video recording system : 2 rotary heads, azimuth helical scanning system.
1.6 Luminance signal : Frequency modulation recording.
1.7 Color signal : Low frequency conversion, sub-carrier phase-shift recording.
1.8 Audio track : 1 track
1.9 Tape speed and recording time : (with T-160 cassette)

Mode	Time	Speed	Recording interval	Number of Fields	Drive
(2H)	(2.6 hrs)	(33.35mm/sec)	(16.68ms/Field)	(60 Fields/sec)	(Continuous)
8H	8 hrs	11.12mm/sec	16.68ms/Field	60 Fields/sec	Continuous
L24H	24 hrs	3.71mm/sec	50.04ms/Field	20 Fields/sec	Time lapse
L40H	40 hrs	2.22mm/sec	83.40ms/Field	12 Fields/sec	Time lapse

() is for Playback only.

1.10 Fast forward/Rewinding time : Approx. 90sec. with T-120 cassette.

1.11 Heads

(1) Video : 4 rotary heads.
(2) Audio/Control : 1 stationary head.
(3) Erase : 1 full-track head.

1.12 Motors : 3 motors-(drum/capstan/loading) direct drive.

1.13 Video input : 1.0V(p-p),75ohm unbalanced BNC plug.

1.14 Audio input : 308mV(rms),50Kohm unbalanced RCA plug.

1.15 Video output : 1.0V(p-p),75ohm unbalanced BNC plug.

1.16 Audio output : 388mV(rms),1Kohm unbalanced RCA plug.

1.17 Audio frequency response : 70Hz ~ 4000Hz(8H Mode).

1.18 Signal to Noise Ratio

(1) Video : better than 42 dB (8H Mode).
(2) Audio : better than 43 dB (8H Mode).

1.19 Horizontal Resolution

(1) Black & White : More than 330 lines.
(2) Color : More than 240 lines.

1.20 Alarm Recording Time

(1) Timed : 15sec /30sec /45sec /1min. /2min. /5min. /10min.

(2) Manual : MAN1 Until the alarm reset switch is switched on.

MAN2 Until the alarm in switch is switched off.

1.21 Display format

: (Month)-(Day)-(Year) (Day of week)

(Hour):(Minute):(Second) (Recording mode)

(Month)-(Day)-(Year) (Hour):(Minute):(Second).

or

1.22 Display position

: In any position.

1.23 Timer program

: 8 programs-Daily start and stop time for one week.

1.24 Battery Backup charged).

: Last for more than 31 days (when full)

1.25 Elapsed Time Indicator

: The maximum of 89.999 hours.

2. CONNECTORS

2.1 ALM Input : Screw terminal for starting alarm recording.
ACTIVE; When terminals are short-circuited or "L" level.

2.2 RST Input : Screw terminal for finishing alarm recording or for adjusting on-screen clock.
ACTIVE; When terminals are short-circuited or "L" level.

2.3 REC Input : Screw terminal for starting/finishing recording or series recording.
ACTIVE; When terminals are short-circuited or "L" level.

2.4 GND : Screw terminal for ground.

2.5 ALM output : Screw terminal for output while alarm recording is under way.
ACTIVE; "L" Level, max. Current 50mA (+5VDC)/10mA(+24VDC)
NON ACTIVE; OPEN, max. Voltage +24V DC.

2.6 MODE output : Screw terminal for indication of VCR selected mode.
ACTIVE; "L" Level, max. Current 50mA (+5VDC)/10mA(+24VDC)
NON ACTIVE; OPEN, max. Voltage +24V DC.

2.7 CLK output : Screw terminal to command camera switching.
A pulse of the frequency division ratio selected by on-screen menu.

2.8 CALL output : Screw terminal for external warning device or series recording.
ACTIVE; "L" Level, max. Current 50mA (+5VDC)/10mA(+24VDC)
NON ACTIVE; OPEN, max. Voltage +24V DC.

3. NET SPECIFICATION

3.1 NET Dimension 425(W) x 314(D) x 95(H) mm Figure 4.1

3.2 Weight 4.2 kg

4. ACCESSORIES

1) Operation manual	1 pc.
(Language : English, Spanish)	
2) AC-Power-Cord	1 pc.
3) VCR Cable	1 pc.
4) BNC-RCA Adapter	2 pcs.
5) Product Guide	1 pc.
6) Warranty Card	1 pc.

5. ENVIRONMENTAL CONDITION

5.1 Transport condition (Regular packing)

- 1) Truck (Container on flat car) :Less than 2000km
- 2) Railroad (Container on flat car) :Less than 5000km
- 3) Ship (Container) :Inside of hold
- 4) Freight :Forklift truck (Palletizers) Manual handling

5.3 Store condition (Regular packing)

- 1) Temp:20 , Humidity:60%RH Max. 1 year with specified stack number
- 2) Temp:40 , Humidity:90%RH Max. 250 hours with specified stack number

5.4 Usage condition

- 1) Temperature : 5°C - 40°C
- 2) Humidity : Max.80% RH

3) Altitude : Max.3000m

Without dew

8.4 Vibration / Drop condition

1) Vibration : Random vibration

PSD Wave form B

9.24 m/s²

frequency band 5 ~ 100Hz

vibration times 1 hour

2) Drop : 1 corner, 2 edges, 5 faces

(1 corner 40cm, 2 edges 40cm,

Side, Front, Rear faces 40cm, Bottom face 50cm)