

## CAUTIONS FOR SAFE OPERATION

- Do not expose HRX-2000 to rain or moisture. Even if power turned off, dangerous high voltage is always supplied to power terminal. So, Attention to electric shock.
- Certainly, Be connect the inner plate to earth ground.

## INPUT POWER SELECTION SWITCH (SW6)

- Set this switch to 110V or, 220V depending on the input power voltage (J7).

## PAN/TILT DRIVE VOLTAGE SELECTION SWITCH (SW7)

- Confirm the drive voltage of your Pan/Tilt. driver. This voltage can be selected either AC220V/110V or, AC24V.

**(Note) If SW7 is selected to AC220V/110V then, the power supplied to J7 will be used to drive Pan/Tilt**

## POWER INPUT TERMINAL (J7)

- Connect power cable to L1, L2 and Frame Ground.
- Before turn on the power, confirm the setting state of POWER INPUT SELECTION switch (SW6) again.

## POWER SWITCH (SW8)

- Turn on the power after checking the whole wiring states of control lines and power lines.

## COMMUNICATION TERMINAL (J8)

- RS-485, Half-Duplex
- 2400, 4800, 9600bps Selectable (Default : 9600bps)
- 2 WIRE ( Cable: Use TJV\*2C AWG22 or higher spec )
- Max. communication length : Approx. 1.2Km

(485D+),(485D-) line must be connected correctly.

## CONFIGURATION SWITCH (SW3)

P1	P2	Controller Selection
On	Off	When use DVR (HNDR Series)
Off	On	When use HTX-2000 or, HTX-2500

P4	P5	Baud Rate
Off	Off	9600 bps
On	Off	4800 bps
Off	On	2400 bps

## PAN/ TILT/ LENS/ AUX OUTPUT TERMINAL (J2, J3)

- Pan/Tilt drive voltage can be set to the voltage supplied to J7 (AC220V/110V) or, AC24V. Please, confirm PAN/TILT DRIVE VOLTAGE SELECTION switch (SW7) before wiring.
- Same voltage supplied to Receiver Unit outputs to AUX1and 2.
- Lens drive voltage is DC12V.

## FUSE (F1, F2)

- Use the fuse of AC250V / 2A only.

## SPECIFICATIONS

- 1. Pan/Tilt Output** - AC220V/100V or, AC24V  
RIGHT, LEFT, UP, DOWN, AUTOPAN  
Relay contact capacity : more than 250VAC/5A
- 2. Lens Output** - DC12V  
ZOOM, FOCUS  
Relay contact capacity : more than 12VDC/1A
- 3. AUX Output** - AC220V/100V  
AUX1, AUX2  
Relay contact capacity : more than 250VAC/5A
- 4. Zoom camera menu control**
- 5. Camera Power** - DC12V
- 6. Protocol** : HSD-251, HSDN-251 Protocol compatible
- 7. Operating environment**  
Input voltage : AC110V or 220V selectable, 50/60Hz  
Temperature, Humidity : -18℃~+50℃, 10%RH~80%RH
- 8. Dimensions**  
Size : 280(W) x 280(D) x 130(H) mm  
Weight : Approx. 4Kg

## ID Setting

- Address number of HRX-2000 starts from **01**.
- In case of first receiver unit, adjust to SW5→0, SW4→1.

## LOCAL TEST

- With this function, user can check the wiring states and control pan/tilt without controller. If SW2 pushed more than 2 seconds, LED2 will be turned on and, entered local test mode.
- According to Rotary switch setting (SW5, SW4), receiver unit acts as follows. (Ex: SW5→5, SW4→0 then RIGHT)

Code	Function	Code	Function
50	RIGHT	59	WIDE
51	LEFT	60	NEAR
52	UP	61	FAR
53	DOWN	62	AUX1 ON
54	RIGHT-UP	63	AUX1 OFF
55	RIGHT-DOWN	64	AUX2 ON
56	LEFT-UP	65	AUX2 OFF
57	LEFT-DOWN	66	AUTOPAN ON
58	TELE	67	AUTOPAN OFF

**(Note) After finished local test, re-set the ID of HRX-2000 and press reset switch (SW1).**

