

“ \* ” mark : default mode

The diagram illustrates the timing for the 1000BASE-T standard, showing two scenarios for the delay between the start of the Wideband (WIDE) and the start of the Telephony (TELE) signal.

**Scenario 1 (Top):**

- WIDE:** Starts at x1 and ends at x16 (Opt.).
- TELE:** Starts at x16 (Digi.) and ends at x32.
- Delays:** The delay between the start of WIDE and the start of TELE is 3.6s. The delay between the end of WIDE and the end of TELE is 1.2s.

**Scenario 2 (Bottom):**

- WIDE:** Starts at x1 and ends at x16 (Opt.).
- TELE:** Starts at x16 (Digi.) and ends at x32.
- Delays:** The delay between the start of WIDE and the start of TELE is 6s. The delay between the end of WIDE and the end of TELE is 1.2s.

c) Video FocusAuto\* / Manu.(NEAR□FAR)

d) White Balance                      Auto\* / Manu.(R.B.Gain Level:UP□DOWN)

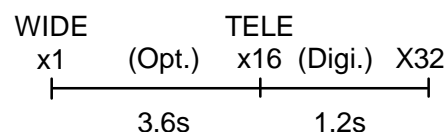
e) Shutter Speed                      Auto    : Pro.AE (1/60□1/4k s) / Pro.AE+\* (1/2□1/4\*□1/4k s)  
Manu. : Shutter Priority (1/2□1/30k s) / Exposure Priority (F1.4□F32)

f) Iris Control                          Auto\* / Manu.(Manu.Iris Level:UP□DOWN , Auto Iris Cont.Level:UP□DOWN)

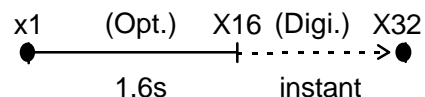
g) Gain Control                        Auto\* / Manu.(Auto Gain Cont.Level:UP□DOWN)

h) Position Preset    [1] Zoom Trace Preset Mode : MF, Trace

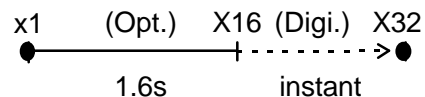
☐ in case of memory  
(Ex. Memory Point :    )                      ●



☐ in case of preset



[2] Preset Mode : MF,No-Trace  
☐ in case of preset



(10) Video Output Level

Video level	0.714±0.07 V (100±10 IRE)
Sync level	0.286±0.035 V ( 40± 5 IRE)
Burst level	0.286±0.035 V ( 40± 5 IRE)

(11) Color Reproduction

	Red	Yellow	Cyan	Burst
Phase	102±20°	160±20°	280±20°	180°(Base)
Level	220±25%	105±35%	165±35%	100% (Base)

(12) Horizontal Resolution                      More than 470 TVL

(13) Luminance S/N                              More than 50 dB

(14) Sensitivity                                  Less than 3 lx ( typ. 2 lx ) [Pro-AE :1/60s , F1.4(wide) , AGC-Gain:25 dB\*]  
Less than 0.2 lx ( typ. 0.1 lx ) [Pro-AE+:1/4s\* , F1.4(wide) , AGC-Gain:25 dB\*]  
at signal level : 40 IRE

(15) Supplied Voltage	9.0 V±0.5 V (See Page.7 for restriction.)
(16) Supplied Current	280 mA (steady-state) 380 mA (max.) under the zooming and focusing operation
(17) Power Consumptions	3.3 W (max.)
(18) Dimensions	50(W)×60(H)×86(D) mm (except connector)
(19) Weight	220 g (approx.)
(20) Appearance/Dimensions	See attached Page.8.
(21) Body Color	Black
(22) Packing Ass'ys	See attached Page.9.
(23) Labeling	See attached Page.10.
(24) Optional Accessories	704CONCT118 (connector with 118mm length flat-flex cables) 704CONCT200 (connector with 200mm length flat-flex cables)

## **B. MEASUREMENT SPECIFICATIONS**

- Standard measurement condition and measurement procedure  
See an annexed document.

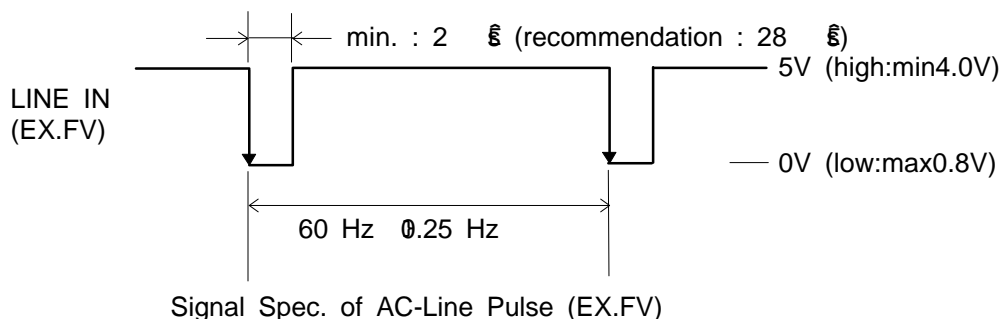
## **C. EXTERNAL CONTROL SPECIFICATIONS**

- External control using RS-232C (command list)  
See an annexed document.

## D. INTERFACE

□ 9pin-FPC (ELCO : PG-FPC9SM-T) Connecting Condition

Pin No.	Name	I/O	Level
1	RD (for RS-232C)	input	CMOS 5V (low:max0.8V , high:min2.0V)
2	SD (for RS-232C)	output	CMOS 5V (low:max0.1V , high:min4.4V)
3	GND (for RD&SD)		
4	DC IN	input	9.0 V±0.5 V
5	GND (for power)		
6	VIDEO OUT	output	1.0 V±0.2 V
7	GND (for video)		
8	LINE IN	input	External V-sync (EX.FV : Negative , 5Vp-p)
9	GND (for line)		



## E. ENVIRONMENT CONDITION AND TEST

(1) Operating condition      Temperature      0 □ 60 □ (recommendation : 0 □ 40 □)  
    Humidity              10 □ 90 %

(2) Storage condition        Temperature      -10 □ 60 □  
    Humidity              0 □ 95 %

[Note] Condensation should not occur.

(3) High temperature storage test

Leaving the packed sample at temperature of 60 □ for 72 hours, and then after leaving it at normal temperature for 8 hours, there should be no problem in performance.

(4) Low temperature storage test

Leaving the packed sample at temperature of -10 °C for 72 hours, and then after moving it at normal temperature for 8 hours, there should be no problem in performance.

[Note] Condensation should not occur.

(5) Temperature characteristics test

When it is operated at temperature of 0~60 °C, there should be no problem in performance.

**F. INDUSTRIAL PROPERTY**

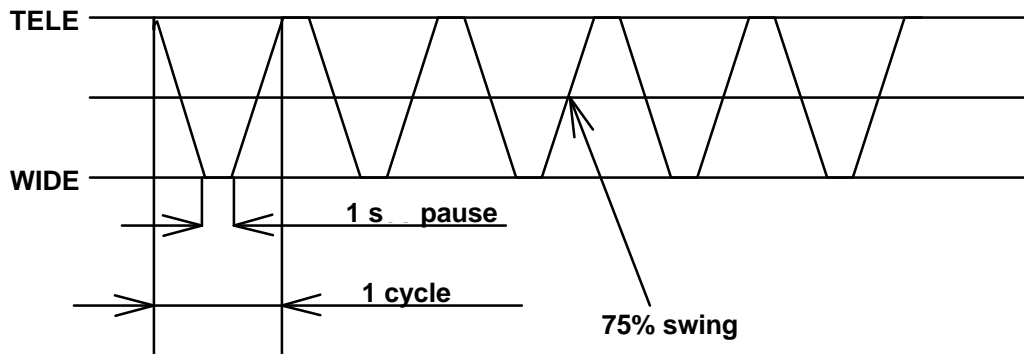
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Hitachi is not responsible for the unit which is modified.

Hitachi's responsibility is limited to product itself, not to the system installed.

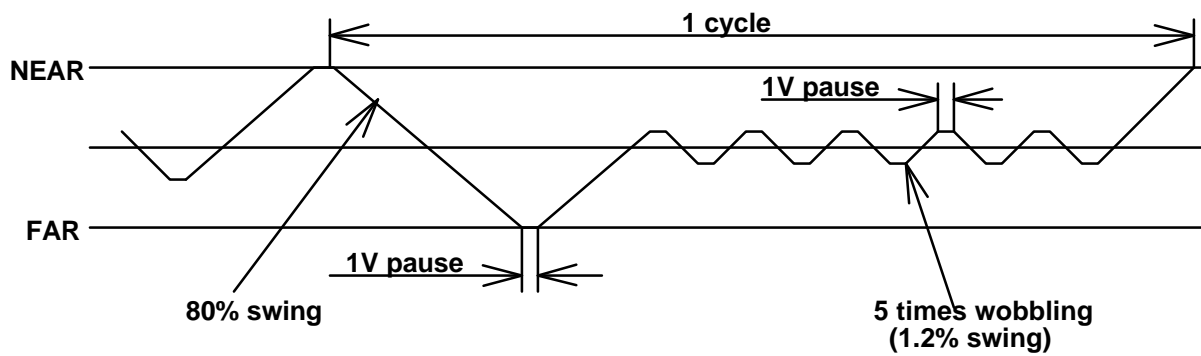
## DURABILITY TEST PATTERN

### 1.ZOOM :

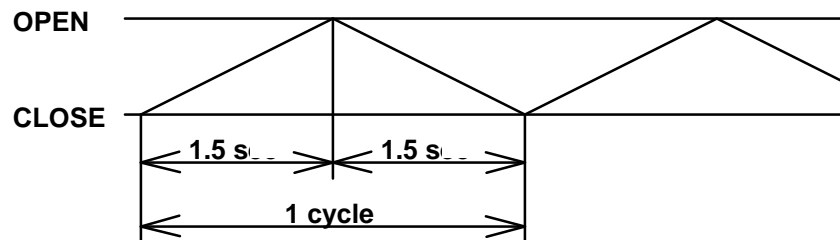


### 2.FOCUS :

( $V=1/60s$ )



### 3.IRIS :



## POWER SUPPLY RISE-UP CONDITION

The rise-up of power supply to camera should be under following condition.

