

Demand interface

Demand IF[20pin] CN2, CN3, CN4 (19pin : OPEN)

pin	Pin	Signal direction (*1)	Pin description
1	POWER(+B)	DU→DM	DC10.0~17.0V
2	ZOOM CONTROL	DM→DU	Zoom speed control Tele max speed[-3V or less] Wide max speed [+3V or more] (V2 reference)(*2)
3	FOCUS CONTROL	DM→DU	Focus position control Far End[-2.75V or less] Near End[+2.75V or more] (V2 reference)(*2)
4	SWITCH SEL1	DU→DM	Lens output signal 1 for switch detection
5	SWITCH SEL2	DU→DM	Lens output signal 2 for switch detection
6	SWITCH SEL3	DU→DM	Lens output signal 3 for switch detection
7	SW1[RET/AUX1/AUX2]	DM→DU	OFF[0V] / ON[SWITCH SEL1, 2, 3] (*3)
8	SW2[FocusCV/MEMO/VTR]	DM→DU	OFF[0V] / ON[SWITCH SEL1, 2, 3] (*3)
9	SW3[SPARE1/2/3]	DM→DU	OFF[0V] / ON[SWITCH SEL1, 2, 3] (*3)
10	ZOOM FOLLOW	DU→DM	Wide End[2.0±0.1V] / Tele End[7.0±0.1V]
11	REF V1	DU→DM	8.0±0.1V
12	REF V3	DU→DM	2.0±0.1V
13	FOCUS FOLLOW	DU→DM	Near End[2.0±0.1V] / Far End[7.0±0.1V]
14	REF V2	DU→DM	5.0±0.1V
15	RS422-RE1	DM→DU	RS422-Demand output signal A(+)
16	RS422-RE2	DM→DU	RS422-Demand output signal B(-)
17	RS422-TE1	DU→DM	RS422-Lens output signal A(+)
18	RS422-TE2	DU→DM	RS422-Lens output signal B(-)
19	NC	-	
20	GND	DU→DM	Signal reference

(*1) DM : demand, DU : drive unit

(*2) "V2" indicates the pin 14 "REF V2" signal voltage.

(*3) The SW1, 2, 3 switches [*1/*2/*3] are respectively paired with the SEL1, 2, 3 switches (4~6pin).