

HD/4Kインテグレートッドカメラ インターフェース仕様書

コマンド対応機種一覧

2020/10/1

パナソニック株式会社
コネクティッドソリューションズ社

カメラコマンド

ITEM	Command Control / Response / Confirmation	Data	Data Contents												
			Control and Response to control	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
Color Bar	DCB: [Data]	0	Camera Color Bar	○	○	○	○	○	○	○	○	○	○	○	○
	QBR	1													
	QBR: [Data]														
Color Bar Setup	DCS: [Data]	0	0.0% 7.5%	---	---	---	---	---	---	---	---	○	○	---	---
	QCS	1													
	QCS: [Data]														
Menu Down	DDW: [Data]	1h Ah	1step 10step	supports only 1h(1step)	supports only 1h(1step)	supports only 1h(1step)	○	supports only 1h(1step)	○	○	○	○	○	○	○
Menu Enter	DIT: [data]	1	Enter	○	○	○	○	○	○	○	○	○	○	○	○
Menu Left	DLT: [Data]	1h Ah	1step 10step	supports only 1h(1step)	supports only 1h(1step)	supports only 1h(1step)	○	supports only 1h(1step)	---	---	---	○	○	---	---
Menu Cancel	DPG: [Data]	1	Cancel	○	○	○	○	○	○	○	○	○	○	○	○
Menu Right	DRT: [Data]	1h Ah	1step 10step	supports only 1h(1step)	supports only 1h(1step)	supports only 1h(1step)	○	supports only 1h(1step)	---	---	---	○	○	---	---
Menu Up	DUP: [Data]	1h Ah	1step 10step	supports only 1h(1step)	supports only 1h(1step)	supports only 1h(1step)	○	supports only 1h(1step)	○	○	○	○	○	○	○
Menu On/Off	DUS: [Data]	0	Off On	○	○	○	○	○	○	○	○	○	○	○	○
	QUS	1													
	QUS: [Data]														
Focus (Far)	HFF	---	Move to far	---	---	---	---	○	○	○	○	---	---	○	○
Focus (Near)	HFN	---	Move to near	---	---	---	---	○	○	○	○	---	---	○	○
Focus (Stop)	HFS	---	Stop focus	---	---	---	---	○	○	○	○	---	---	○	○
Zoom (Tele)	HZT	---	Move to tele	---	---	---	---	○	○	○	○	---	---	○	○
Zoom (Stop)	HZS	---	Stop zoom	---	---	---	---	○	○	○	○	---	---	○	○
Zoom (Wide)	HZW	---	Move to wide	---	---	---	---	○	○	○	○	---	---	○	○
Focus Speed	LFS: [Data]	0	Slow	---	---	---	---	○	○	○	○	---	---	○	○
		-	-												
		9	Fast												
Zoom Speed	LZS: [Data]	0	Slow	---	---	---	---	○	○	○	○	---	---	○	○
		-	-												
		9	Fast												
Focus Mode	OAF: [Data]	0	Manual Auto	○	---	○	○	---	○	○	○	○	○	○	○
	QAF	1													
ABC/ABB SET	OAS	---	ABC/ABB Start	○	○	○	○	○	○	○	○	○	○	---	---
White Balance Mode	OAW: [Data]	※	※	※	※	※	※	---	※	※	※	※	※	※	※
	QAW														
Focus Adjust With PTZ	OAZ: [Data]	0	Off On	○	---	○	○	---	○	○	○	○	○	○	○
	QAZ	1													
B Pedestal	OBD: [Data] QBD	00h	-150	---	---	---	supports only 0A (-100) - 32 (+100)	---	---	---	---	supports only 0A (-100) - 32 (+100)	○	---	---
		-	-												
		1Eh	0												
		3Ch	+150												
B Gain	OBI: [Data] QBI	000h	-150	---	---	---	○	---	○	○	○	○	○	○	○
		-	-												
		096h	0												
		-	-												
		12Ch	+150												
B Gain	OBI: [Data] QBI	000h	UE70series, HE75series, HE70series , HE60, HE50												
		-													
		096h													
		-													
		12Ch													
B Gain	OBG: [Data] QGB QGB: [Data]	00h	-30	---	---	---	○	---	○	○	○	○	○	○	○
		-	-												
		1Eh	0												
		-	-												
		3Ch	+30												
B Gain	OBG: [Data] QGB QGB: [Data]	00h	HR140, HE130, HE120												
		-													
		1Eh													
		-													
		3Ch													
B Gain	OBG: [Data] QGB QGB: [Data]	00h	-150	---	---	---	○	---	○	○	○	○	○	○	○
		-	-												
		1Eh	0												
		-	-												
		3Ch	+150												

ITEM	Command Control / Response / Confirmation	Data	Data Contents												
			Control and Response to control	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
B Pedestal	OBP: [Data] QBP	000h	-150	supports only -100~+100	---	supports only -100~+100	supports only -100~+100	---	---	---	---	supports only -100~+100	○	---	---
		-	-												
		096h	0												
		-	-												
		12Ch	+150												
Chroma Level	QCG: [Data] QCG	00h	-3	---	supports only 03h (0) - 0Dh (10)	---	---	---	○	○	○	---	○	○	○
		-	-												
		03h	0												
		-	-												
		06h	+3												
		-	-												
		0Dh	10												
Digital Extender	ODE: [Data] QDE	0	Off	---	---	0n mean x1.4	○	○	○	○	○	○	---	---	---
		1	On												
Detail	ODT: [Data] QDT	0	Off	○	○	○	○	○	○	○	○	○	○	○	○
		1	Low												
		2	High												
		0	<u>UE100, UE150, HR140, UB300, HE130</u> Off												
		1	On												
		2	On												
		0	<u>UE4</u> 0												
		1	0												
Error Information	QER OER: [Data]	0	Normal	○	---	○	supports only 0 (Normal) 1 (Fan Error)	supports only 0 (Normal) 1 (Fan Error)	---	---	---	---	supports only 0 (Normal) 1 (Fan Error)	---	---
		1	Fan Error												
		2	Other Error												
Flip Status	QFS QFS: [Data]	0	Normal	○	---	○	○	---	---	---	---	○	○	---	---
		1	Flip												
ND Filter	QFT: [Data] QFT	0	Clear	supports only 0h: Clear (Through) 1h: 1/4 ND 2h: 1/16 ND 3h: 1/64 ND	---	supports only 0h: Clear (Through) 1h: 1/4 ND 2h: 1/16 ND 3h: 1/64 ND	supports only 0h: Clear 1h: 1/4 ND 2h: 1/16 ND 3h: 1/8 ND	supports only 0h: Clear 1h: 1/4 ND 2h: 1/16 ND 3h: 1/64 ND	supports only 0h: Clear 1h: 1/4 ND 2h: 1/16 ND 3h: 1/64 ND 8h: Auto ND	supports only 0h: Clear 1h: 1/4 ND 2h: 1/16 ND 3h: 1/64 ND 8h: Auto ND	---	supports only 0h: Clear 1h: 1/4 ND 3h: 1/64 ND 4h: 1/8 ND	supports only 0h: Clear 1h: 1/4 ND 2h: 1/16 ND 3h: 1/64 ND	---	---
		1	1/4 ND												
		2	1/16 ND												
		3	1/64 ND												
		4	1/8 ND												
		8	Auto ND												
Gain Select	QGS: [Data] QGS	01h	Low	---	---	---	---	○	---	---	---	---	---	---	---
		04h	Mid												
		08h	High												
		06h	S. Gain1												
		0Ch	S. Gain2												
		0Eh	S. Gain3												
Gain	QGU: [Data] QGU	08h	0dB	supports only 08 (0dB) -32 (42dB) , 80 (AGC On)	supports only 08 (0dB) -32 (42dB)	supports only 08 (0dB) -32 (42dB) , 80 (AGC On)	supports only 08 (0dB) -32 (42dB) , 80 (AGC On)	---	supports only 08h: 0dB-38h: 48dB 80h: AGC On	supports only 08h: 0dB-38h: 48dB 80h: AGC On	supports only 08h: 0dB-38h: 48dB 80h: AGC On	supports only 08 (0dB) -2C (36dB) , 80 (AGC On)	supports only 08 (0dB) -1A (18dB) , 80 (AGC On)	supports only 08 (0dB) -1A (18dB) , 80 (AGC On)	supports only 08 (0dB) -1A (18dB) , 80 (AGC On)
		-	-												
		11h	9dB												
		-	-												
		1Ah	18dB												
		-	-												
Horizontal Phase	QHP: [Data] QHP	000h	-206	○	---	○	○	---	○	○	---	○	○	○	○
		-	-												
Model Number	Q1D Q1D: [Data]	3FFh	+49	○	○	○	○	○	○	○	○	○	○	○	○
Request Iris F No.	Q1F Q1F: [Data]	0Eh (=14)	F1. 4	○	---	○	---	○	---	---	---	---	---	---	---
		-	-												
		1Ch (=28)	F2. 8												
		-	-												
		38h (=56)	F5. 6												
		-	-												
		A0h (=160)	F16												
		-	-												
		FFh	Close												

ITEM	Command Control / Response / Confirmation	Data	Data Contents												
			Control and Response to control	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
OIS	OIS: [Data] OIS	0	Off	○	---	○	○	---	○	○	○	○	---	---	---
		1	On												
		HR140	HR140												
		0	Off												
		1	OIS												
		2	Dynamic I.S. System												
		UE100	UE100												
		0	Off												
		1	OIS												
		2	Hybrid (STABLE)												
		3	Hybrid (PAN/TILT)												
Synchro Scan	OMS: [Data] OMS	001h	See right	---	---	---	(59Hz) 001h (60. 15Hz)	---	(59. 94Hz) 001h (59. 94Hz)	(59. 94Hz) 001h (59. 94Hz)	(59. 94Hz) 001h (59. 94Hz)	(59Hz) 001h (60. 15Hz)	(59Hz) 001h (60. 17Hz)	(59Hz) 001h (60. 17Hz)	(N Model) 001h (60. 17Hz)
		0FFh					0FFh (642. 21Hz)		0FFh (660. 09Hz)	0FFh (660. 09Hz)	0FFh (660. 09Hz)	0FFh (642. 21Hz)	0FFh (646. 21Hz)	0FFh (644. 25Hz)	0FFh (644. 25Hz)
							(50Hz) 001h (50. 15Hz)		(50Hz) 001h (50. 00Hz)	(50Hz) 001h (50. 00Hz)	(50Hz) 001h (50. 00Hz)	(50Hz) 001h (50. 15Hz)	(50Hz) 001h (50. 19Hz)	(50Hz) 001h (50. 16Hz)	(E, MC Model) 001h (50. 16Hz)
							0FFh (535. 71Hz)		0FFh (570. 12Hz)	0FFh (570. 12Hz)	0FFh (570. 12Hz)	0FFh (535. 71Hz)	0FFh (537. 13Hz)	0FFh (542. 42Hz)	0FFh (542. 42Hz)
R Pedestal	ORD: [Data] ORD	00h	-150	---	---	---	supports only 0A (-100)	---	---	---	---	supports only 0A (-100)	○	---	---
		-	0												
		1Eh	-												
		-	+150				32 (+100)					32 (+100)			
		3Ch													
R Gain	ORG: [Data] QGR QGR: [Data]	00h	-30	---	---	---	○	---	○	○	○	○	○	○	○
		-	-												
		1Eh	0												
		-	-												
		3Ch	+30												
			HR140, HE130, HE120												
		00h	-150												
		-	-												
		1Eh	0												
		-	-												
R Gain	ORI: [Data] ORI	000h	-150	---	---	---	○	---	○	○	○	○	○	○	○
		-	-												
		096h	0												
		-	+150												
		12Ch													
			UE70series, HE75series, HE70series , HE60, HE50												
		000h	-30												
		-	-												
		096h	0												
		-	-												
R Pedestal	ORP: [Data] QRP	000h	-150	supports only -100~+100	---	supports only -100~+100	supports only -100~+100	---	---	---	---	supports only -100~+100	○	---	---
		-	-												
		096h	0												
		-	-												
		12Ch	+150												
Iris Mode	ORS: [Data] ORS	0	Manual	○	supports only 1 (Auto)	○	○	○	○	○	○	○	○	○	○
		1	Auto												
		000h	Close												
		-	-												
Iris Control	ORV: [Data] QRV	3FFh	Open												
Linear Table	OSA:00: [Data] QSA:00	0	Table A	---	---	---	---	○	---	---	---	---	---	---	---
		1	Table B												
Master Black Gamma	OSA:07: [Data] QSA:07	50h	-48	supports only 78h (-8)	---	supports only 78h (-8)	---	○	---	---	---	---	---	---	---
		-	-												
		80h	0												
		-	-												
		80h	+48												
R Black Gamma	OSA:08: [Data] QSA:08	6Ch	-20	---	---	---	---	○	---	---	---	---	---	---	---
		-	-												
		71h	-15												
		-	-												
		80h	0												
		-	-												
		8Fh	+15												
		-	-												
		94h	+20												

ITEM	Command Control / Response / Confirmation	Data	Data Contents												
			Control and Response to control	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
B Black Gamma	OSA:09: [Data] QSA:09	6Ch	-20	---	---	---	---	○	---	---	---	---	---	---	---
		-	-												
		71h	-15												
		-	-												
		80h	0												
Gamma SW	OSA:0A: [Data] QSA:0A	-	-												
		8Fh	+15												
		-	-												
		94h	+20												
		-	-												
Black Gamma SW	OSA:0B: [Data] QSA:0B	0	Off	---	---	---	---	○	---	---	---	---	---	---	---
		1	On												
DRS SW	OSA:0D: [Data] QSA:0D	0	Off	---	---	---	---	○	---	---	---	---	---	---	---
		1	On												
Black Stretch Level (@FILM MENU & FILM REC)	OSA:0F: [Data] QSA:0F	00h	0	---	---	○	---	○	---	---	---	---	---	---	---
		-	-												
Dynamic Level (@FILM MENU & FILM REC)	OSA:10: [Data] QSA:10	1Eh	30												
		0	200%			○		supports only	---	---	---	---	---	---	---
		1	300%					0 (200%)							
		2	400%					-							
		3	500%					3 (500%)							
Flare SW	OSA:11: [Data] QSA:11	4	600%												
		0	Off	---	---	---	---	○	---	---	---	---	---	---	---
		1	On												
		22h	70. 00%	support only	---	support only	support only	support only	---	---	---	support only	---	---	---
		-	-	22h (70. 00%) -		22h (70. 00%) -	22h (70. 00%) -	4Ah (80. 00%) -				22h (70. 00%) -			
Master Knee Point (@VIDEO MENU)	OSA:20: [Data] QSA:20	80h	93. 50%	B6h (107. 00%)		B6h (107. 00%)	B6h (107. 00%)	C2h (110. 00%)				B6h (107. 00%)			
		-	-	(1step=0. 5%)		(1step=0. 5%)	(1step=0. 5%)					(1step=0. 5%)			
		B6h	107. 00%												
		-	-												
		C2h	110. 00%												
Master Knee Point (@FILM MENU & VIDEO REC)	OSA:21: [Data] QSA:21	-	(1step=0. 25%)												
		62h	30%	---	---	○	---	support only	---	---	---	---	---	---	---
		-	-					62 (30%)							
		80h	60%					-							
		-	-					9E (90%)							
R Knee Point	OSA:22: [Data] QSA:22	9Eh	90%												
		-	-												
		AFh	107%												
		1Ch	-25. 00%	---	---	---	---	○	---	---	---	---	---	---	---
		-	-												
B Knee Point	OSA:23: [Data] QSA:23	80h	0. 00%												
		-	-												
		E4h	+25. 00%												
		-	(1step=0. 25%)												
		1Ch	-25. 00%	---	---	---	---	○	---	---	---	---	---	---	---
Master Knee Slope (@VIDEO MENU)	OSA:24: [Data] QSA:24	-	-												
		80h	0. 00%												
		-	-												
		E4h	+25. 00%												
		-	(1step=0. 25%)												
Master Knee Slope (@FILM MENU & VIDEO REC)	OSA:25: [Data] QSA:25	00h	0	support only	---	support only	support only	○	---	---	---	support only	---	---	---
		-	-	00h (0) - 63h (99)		00h (0) - 63h (99)	00h (0) - 63h (99)					00h (0) - 63h (99)			
		63h	99												
		-	-												
		C7h	199												
Master Knee Slope (@FILM MENU & VIDEO REC)	OSA:25: [Data] QSA:25	7Ch	150%	---	---	supports only	---	○	---	---	---	---	---	---	---
		-	-			7Ch (150%) -									
		80h	350%			83h (500%)									
		-	-												
		85h	600%												
R Knee Slope (@VIDEO MENU)	OSA:26: [Data] QSA:26	-	(1step=50%)												
		1Dh	-99	---	---	---	---	○	---	---	---	---	---	---	---
		-	-												
		80h	0												
		-	-												
R Knee Slope (@VIDEO MENU)	OSA:26: [Data] QSA:26	E3h	+99												
		-	-												
		80h	0												
		-	-												
		E3h	+99												

ITEM	Command Control / Response / Confirmation	Data	Data Contents												
			Control and Response to control	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
B Knee Slope (@VIDEO MENU)	OSA:27: [Data] QSA:27	1Dh	-99	---	---	---	---	○	---	---	---	---	---	---	---
		-	-												
		80h	0												
		-	-												
Auto Knee Point (@VIDEO MENU)	OSA:28: [Data] QSA:28	E3h	+99												
		4Ah	80. 00%	---	---	---	---	○	---	---	---	---	---	---	---
		-	-												
		80h	93. 50%												
Auto Knee Level (@VIDEO MENU)	OSA:29: [Data] QSA:29	-	-												
		B6h	107. 00% (1step=0. 25%)												
		7Ch	100%	---	---	---	---	○	---	---	---	---	---	---	---
		-	-												
White Clip Level	OSA:2A: [Data] QSA:2A	85h	109% (1step=1%)												
		00h	90%	○	---	○	○	---	---	---	---	○	---	---	---
		-	-												
		13h	109%												
Knee Mode	OSA:2D: [Data] QSA:2D	0	Off	○	---	○	○	○	---	---	---	○	---	---	---
		1	Manual												
		2	Auto												
White Clip	OSA:2E: [Data] QSA:2E	0	Off	○	---	○	○	---	---	---	---	○	---	---	---
		1	On												
Master Detail	OSA:30: [Data] QSA:30	61h	-31	○	---	○	○	○	supports only 81h(1)~91h(17) for Detail Level (L)	supports only 81h(1)~91h(17) for Detail Level (L)	supports only 81h(1)~91h(17) for Detail Level (L)	○	---	supports only 81h(1)~91h(17) for Total Dtail Level (L)	---
		-	-												
		80h	0												
		-	-												
		9Fh	+31												
		61h	<u>HR140, HE130</u> 0												
		-	-												
H Detail Level	OSA:31: [Data] QSA:31	80h	+31												
		-	-												
		3Fh	63												
Detail Gain(+)	OSA:38: [Data] QSA:38	61h	-31	○	---	○	---	○	---	---	---	---	---	---	---
		-	-												
		80h	0												
		-	-												
Detail Gain(-)	OSA:39: [Data] QSA:39	9Fh	+31												
		61h	-31	○	---	○	---	○	---	---	---	---	---	---	---
		-	-												
		80h	0												
Detail Source	OSA:3B: [Data] QSA:3B	-	-												
		9Fh	+31												
		0	(G+R) /2	---	---	---	---	○	---	---	---	---	---	---	---
		1	(G+B) /2												
Skin Tone Detail	OSA:40: [Data] QSA:40	2	(2G+B+R) /4												
		3	(3G+R) /4												
		4	R												
		5	G												
Skin Get	OSA:41: [Data] QSA:41	0	Off	○	---	○	---	○	---	---	---	---	---	---	---
		1	On												
		2	Get												
Skin Tone Detail I Center (HD)	OSA:45: [Data] QSA:45	00h	0	---	---	---	---	○	---	---	---	---	---	---	---
		-	-												
		FFh	255												
Skin Tone Detail I Width (HD)	OSA:46: [Data] QSA:46	00h	0	---	---	---	---	○	---	---	---	---	---	---	---
		-	-												
		FFh	255												
Skin Tone Detail Q Width (HD)	OSA:47: [Data] QSA:47	00h	0	---	---	---	---	○	---	---	---	---	---	---	---
		-	-												
		FFh	255												
Skin Tone Zebra	OSA:49: [Data] QSA:49	0	Off	---	---	---	---	○	---	---	---	---	---	---	---
		1	On												

ITEM	Command Control / Response / Confirmation	Data	Data Contents												
			Control and Response to contol	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
Low Gain	OSA:50:[Data] QSA:50	7Ah	-6dB					○							
		-	-												
		7Ch	0dB												
		-	-												
		80h	12dB												
		-	-												
		86h	30dB												
		-	-												
		88h	36dB												
		-	-												
Mid Gain	OSA:51:[Data] QSA:51	7Ah	-6dB					○							
		-	-												
		7Ch	0dB												
		-	-												
		80h	12dB												
		-	-												
		86h	30dB												
		-	-												
		88h	36dB												
		-	-												
High Gain	OSA:52:[Data] QSA:52	7Ah	-6dB					○							
		-	-												
		7Ch	0dB												
		-	-												
		80h	12dB												
		-	-												
		86h	30dB												
		-	-												
		88h	36dB												
		-	-												
Super Gain Memory Select	OSA:60:[Data] QSA:60	0	S. Gain1					○							
		1	S. Gain2												
		2	S. Gain3												
Frame Mix	OSA:65:[Data] QSA:65	00h	Off	support only 00h (Off) - 18h (+24dB) , 80h (Auto)		supports only 00h (Off) - 18h (+24dB)	supports only 00h (Off) - 18h (+24dB)	supports only 00h (Off) - 18h (+24dB)	supports only 00h (Off) - 18h (+24dB) , 80h (Auto)	supports only 00h (Off) - 18h (+24dB) , 80h (Auto)	supports only 00h (Off) - 18h (+24dB) , 80h (Auto)	supports only 00h (Off) - 18h (+24dB)	supports only 00h (Off) - 18h (+24dB)	supports only 00h (Off) - 12h (+18dB) , 80h (Auto)	supports only 00h (Off) - 12h (+18dB) , 80h (Auto)
		06h	+6dB												
		0Ch	+12dB												
		12h	+18dB												
		18h	+24dB												
		1Eh	+30dB												
		80h	Auto												
		-	-												
Master Gamma	OSA:6A:[Data] QSA:6A	67h	0. 30	○		○	○					○			
		-	-												
		80h	0. 55												
		-	-												
		94h	0. 75												
		-	-												
		-	-												
Linear Matrix	OSA:84:[Data] QSA:84	0	Off					○							
		1	On												
		2	On												
Color Correction	OSA:85:[Data] QSA:85	0	Off					○							
		1	On												
Format	OSA:87:[Data] QSA:87	※	※	※	※	※	※	※	※	※	※	※	※	※	※

ITEM	Command Control / Response / Confirmation	Data	Data Contents	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
			Control and Response to control												
OSD Status	OSA:88: [Data] QSA:88	0 1	Off On	○	---	○	○	○	○	○	○	○	○	○	○
Total Dtail Level High	OSA:B1: [Data] QSA:B1	61h - 80h - 9Fh	-31 - 0 - +31	---	---	---	---	---	supports only 82h(2)~92h(18) for Detail Level (H)	supports only 82h(2)~92h(18) for Detail Level (H)	supports only 82h(2)~92h(18) for Detail Level (H)	---	---	supports only 82h(2)~92h(18) for Total Detail Level (H)	---
Audio	OSA:D0: [Data] QSA:D0	0 1	Off On	○	○	○	○	---	○	○	○	○	---	---	---
Audio Input Type	OSA:D1: [Data] QSA:D1	0 1 2 3 4 5	Mic High Mic Middle Mic Low Line High Line Middle Line Low	supports only 0 (Mic) 3 (Line)	---	supports only 0 (Mic) 3 (Line)	---	---	○	○	○	○	---	---	---
Audio Plugin Power	OSA:D2: [Data] QSA:D2	0 1	Off On	○	---	○	---	---	○	○	○	○	---	---	---
Tally Brightness	OSA:D3: [Data] QSA:D3	0 1 2	Low Mid High	○	---	○	---	---	---	---	---	○	---	---	---
Audio Line Input Level	OSA:D4: [Data1] : [Data2] QSA:D4: [Data1]	[Data1] 0 1 [Data2] 0 1 2	[Data1] CH1/CH3 CH2/CH4 [Data2] +4dB 0dB -20dB	---	---	---	○	---	---	---	---	---	---	---	---
Audio Volume Level	OSA:D5: [Data1] : [Data2] QSA:D5: [Data1]	[Data1] 0 1 2 3 [Data2] 58h - 80h - 8Ch	[Data1] CH1 CH2 CH3 CH4 [Data2] -40dB - 0dB - 12dB	[Data1] supports only 0 (CH1) [Data2] supports only 5Ch (~36dB) - 8C (12dB)	---	[Data1] supports only 0 (CH1) [Data2] supports only 5Ch (~36dB) - 8C (12dB)	○	---	---	---	---	---	---	---	---
Audio Head Room	OSA:D6: [Data] QSA:D6	0 1 2	FS-12dB FS-18dB FS-20dB	---	---	---	○	---	---	---	---	---	---	---	---
Audio Line CH Select	OSA:D7: [Data] QSA:D7	0 1 2 3	All CH1/CH2 CH3/CH4 None	---	---	---	○	---	---	---	---	---	---	---	---
SC Coarse	QSC: [Data] QSC	※	※	---	---	---	---	---	---	---	---	---	---	※	※
H Detail Level H	QSD:0A: [Data] QSD:0A	02h - 3Fh	2 - 63	---	---	---	---	---	---	---	---	○	---	---	---
V Detail Level H	QSD:0E: [Data] QSD:0E	02h - 1Fh	2 - 31	---	---	---	---	---	---	---	---	○	---	---	---
H Detail Level L	QSD:12: [Data] QSD:12	01h - 3Eh	1 - 62	---	---	---	---	---	---	---	---	○	---	---	---
V Detail Level L	QSD:16: [Data] QSD:16	01h - 1Eh	1 - 30	---	---	---	---	---	---	---	---	○	---	---	---
Detail Band	QSD:1E: [Data] QSD:1E	01 - 05	01 - 05	---	---	---	---	---	---	---	---	○	---	---	---
Noise Suppress /Crisp	QSD:22: [Data] QSD:22	00h - 3Fh	0 - 63	---	---	---	support only 00 (0)~3C (60)	○	---	---	---	support only 00 (0)~3C (60)	support only 00 (0)~07 (7)	---	---
Level Dependent	QSD:26: [Data] QSD:26	00h - 0Fh	00 - 15	---	---	---	---	○	---	---	---	---	---	---	---
Matrix (R-G)	QSD:2F: [Data] QSD:2F	00h - 1Fh - 3Eh	-31 - 0 - +31	---	---	---	---	---	---	---	---	○	---	---	---

ITEM	Command Control / Response / Confirmation	Data	Data Contents												
			Control and Response to contol	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
Matrix (R-B)	OSD:30: [Data] QSD:30	00h	-31										○		
		-	-												
		1Fh	0												
		-	-												
3Eh	+31														
Matrix (G-R)	OSD:31: [Data] QSD:31	00h	-31										○		
		-	-												
		1Fh	0												
		-	-												
3Eh	+31														
Matrix (G-B)	OSD:32: [Data] QSD:32	00h	-31										○		
		-	-												
		1Fh	0												
		-	-												
3Eh	+31														
Matrix (B-R)	OSD:33: [Data] QSD:33	00h	-31										○		
		-	-												
		1Fh	0												
		-	-												
3Eh	+31														
Matrix (B-G)	OSD:34: [Data] QSD:34	00h	-31										○		
		-	-												
		1Fh	0												
		-	-												
3Eh	+31														
Flare R	OSD:35: [Data] QSD:35	9C	-100					○							
		~	~												
		FF	-1												
		00	0												
		01	+1												
		~	~												
64	+100														
Flare G	OSD:36: [Data] QSD:36	9C	-100					○							
		~	~												
		FF	-1												
		00	0												
		01	+1												
		~	~												
64	+100														
Flare B	OSD:37: [Data] QSD:37	9C	-100					○							
		~	~												
		FF	-1												
		00	0												
		01	+1												
		~	~												
64	+100														
DNR	OSD:3A: [Data] QSD:3A	00	Off	○	○	○	○	○	○	○	○	○	○	○	○
		01	Low												
		02	High												
		AK-UB300	UB300												
		00	Off												
01	On														
02	On														

ITEM	Command Control / Response / Confirmation	Data	Data Contents	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
			Control and Response to contol												
Picture Level /A. Iris Level /Iris Offset	QSD:48: [Data] QSD:48	00h - 32h - 64h	UE100, UE4, UE150, HR140, HE130 -50 - 0 - +50	○	supports only 2Eh (-4) - 36h (4)	○	○	○	○	○	○	○	○	○	○
		00h - 32h - 64h	UE70series, HE75series, HE70series HE120 -10 - 0 - 10												
		00h - 32h - 64h	HE60, HE50 -5 - 0 - 5												
		00h - 64h	UB300 0 - 100												
Flesh Noise Suppress	QSD:4B: [Data] QSD:4B	00 01 02	Off Low High	---		---	---	---	---	---	---	---	○	---	---
Iris Follow	QSD:4F QSD:4F: [Data]	00h - FFh	Close - Open	○	---	○	○	---	○	○	○	○	○	○	○
Contrast (Gamma)	QSD:50: [Data] QSD:50	00 01 02 0 - 4	Low Mid High UE4 0 - 4	---	○	---	---	---	○	○	○	---	○	○	○
Output Select	QSD:65: [Data] QSD:65	00 01 02	RGB YPbPr Y/C	---	---	---	---	---	---	---	---	---	Y/C is Valid		---
AGC Max Gain	QSD:69: [Data] QSD:69	01 02 03 04 05 06 07 08	6dB 12dB 18dB 24dB 30dB 36dB 42dB 48dB	supports only 01 (6dB) - 03 (18dB)	supports only 04 (24dB) - 07 (42dB)	supports only 01 (6dB) - 03 (18dB)	supports only 01 (6dB) - 03 (18dB)	---	supports only 01 (6dB) - 08 (48dB)	supports only 01 (6dB) - 08 (48dB)	supports only 01 (6dB) - 08 (48dB)	supports only 01 (6dB) - 03 (18dB)	supports only 01 (6dB) - 03 (18dB)	supports only 01 (6dB) - 03 (18dB)	supports only 01 (6dB) - 03 (18dB)
Color Correction B_Mg Saturation	QSD:80: [Data] QSD:80	01h - 80h - FFh	-127 - 0 - +127	supports only 41h (-63) - BFh (+63)	---	supports only 41h (-63) - BFh (+63)	supports only 41h (-63) - BFh (+63)	supports only 01h (-127) - FEh (+126)	---	---	---	supports only 41h (-63) - BFh (+63)	○	---	---
Color Correction B_Mg Phase	QSD:81: [Data] QSD:81	01h - 80h - FFh	-127 - 0 - +127	supports only 41h (-63) - BFh (+63)	---	supports only 41h (-63) - BFh (+63)	supports only 41h (-63) - BFh (+63)	○	---	---	---	supports only 41h (-63) - BFh (+63)	○	---	---
Color Correction Mg Saturation	QSD:82: [Data] QSD:82	01h - 80h - FFh	-127 - 0 - +127	supports only 41h (-63) - BFh (+63)	---	supports only 41h (-63) - BFh (+63)	supports only 41h (-63) - BFh (+63)	supports only 01h (-127) - FEh (+126)	supports only 61h (-31) - 9Fh (+31)	supports only 61h (-31) - 9Fh (+31)	supports only 61h (-31) - 9Fh (+31)	supports only 41h (-63) - BFh (+63)	○	---	---
Color Correction Mg Phase	QSD:83: [Data] QSD:83	01h - 80h - FFh	-127 - 0 - +127	supports only 41h (-63) - BFh (+63)	---	supports only 41h (-63) - BFh (+63)	supports only 41h (-63) - BFh (+63)	○	supports only 41h (-63) - BFh (+63)	supports only 41h (-63) - BFh (+63)	supports only 41h (-63) - BFh (+63)	supports only 41h (-63) - BFh (+63)	○	---	---
Color Correction Mg_R Saturation	QSD:84: [Data] QSD:84	01h - 80h - FFh	-127 - 0 - +127	supports only 41h (-63) - BFh (+63)	---	supports only 41h (-63) - BFh (+63)	supports only 41h (-63) - BFh (+63)	supports only 01h (-127) - FEh (+126)	supports only 61h (-31) - 9Fh (+31)	supports only 61h (-31) - 9Fh (+31)	supports only 61h (-31) - 9Fh (+31)	supports only 41h (-63) - BFh (+63)	○	---	---

ITEM	Command Control / Response / Confirmation	Data	Data Contents	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
			Control and Response to contol												
Color Correction Mg_R Phase	OSD:85:[Data] QSD:85	01h - 80h - FFh	-127 - 0 - +127	supports only 41h(-63) - BFh(+63)	---	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	○ 	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	○ 	---	---
Color Correction R Saturation	OSD:86:[Data] QSD:86	01h - 80h - FFh	-127 - 0 - +127	supports only 41h(-63) - BFh(+63)	---	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	supports only 01h(-127) - FEh(+126)	supports only 61h(-31) - 9Fh(+31)	supports only 61h(-31) - 9Fh(+31)	supports only 61h(-31) - 9Fh(+31)	supports only 41h(-63) - BFh(+63)	○ 	---	---
Color Correction R Phase	OSD:87:[Data] QSD:87	01h - 80h - FFh	-127 - 0 - +127	supports only 41h(-63) - BFh(+63)	---	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	○ 	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	○ 	---	---
Color Correction R_YI Saturation	OSD:88:[Data] QSD:88	01h - 80h - FFh	-127 - 0 - +127	supports only 41h(-63) - BFh(+63)	---	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	supports only 01h(-127) - FEh(+126)	---	---	---	supports only 41h(-63) - BFh(+63)	○ 	---	---
Color Correction R_YI Phase	OSD:89:[Data] QSD:89	01h - 80h - FFh	-127 - 0 - +127	supports only 41h(-63) - BFh(+63)	---	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	○ 	---	---	---	supports only 41h(-63) - BFh(+63)	○ 	---	---
Color Correction YI Saturation	OSD:8A:[Data] QSD:8A	01h - 80h - FFh	-127 - 0 - +127	supports only 41h(-63) - BFh(+63)	---	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	supports only 01h(-127) - FEh(+126)	supports only 61h(-31) - 9Fh(+31)	supports only 61h(-31) - 9Fh(+31)	supports only 61h(-31) - 9Fh(+31)	supports only 41h(-63) - BFh(+63)	○ 	---	---
Color Correction YI Phase	OSD:8B:[Data] QSD:8B	01h - 80h - FFh	-127 - 0 - +127	supports only 41h(-63) - BFh(+63)	---	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	○ 	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	○ 	---	---
Color Correction YI_G Saturation	OSD:8C:[Data] QSD:8C	01h - 80h - FFh	-127 - 0 - +127	supports only 41h(-63) - BFh(+63)	---	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	supports only 01h(-127) - FEh(+126)	---	---	---	supports only 41h(-63) - BFh(+63)	○ 	---	---
Color Correction YI_G Phase	OSD:8D:[Data] QSD:8D	01h - 80h - FFh	-127 - 0 - +127	supports only 41h(-63) - BFh(+63)	---	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	○ 	---	---	---	supports only 41h(-63) - BFh(+63)	○ 	---	---
Color Correction G Saturation	OSD:8E:[Data] QSD:8E	01h - 80h - FFh	-127 - 0 - +127	supports only 41h(-63) - BFh(+63)	---	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	supports only 01h(-127) - FEh(+126)	supports only 61h(-31) - 9Fh(+31)	supports only 61h(-31) - 9Fh(+31)	supports only 61h(-31) - 9Fh(+31)	supports only 41h(-63) - BFh(+63)	○ 	---	---
Color Correction G Phase	OSD:8F:[Data] QSD:8F	01h - 80h - FFh	-127 - 0 - +127	supports only 41h(-63) - BFh(+63)	---	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	○ 	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	○ 	---	---
Color Correction G_Cy Saturation	OSD:90:[Data] QSD:90	01h - 80h - FFh	-127 - 0 - +127	supports only 41h(-63) - BFh(+63)	---	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	supports only 01h(-127) - FEh(+126)	supports only 61h(-31) - 9Fh(+31)	supports only 61h(-31) - 9Fh(+31)	supports only 61h(-31) - 9Fh(+31)	supports only 41h(-63) - BFh(+63)	○ 	---	---
Color Correction G_Cy Phase	OSD:91:[Data] QSD:91	01h - 80h - FFh	-127 - 0 - +127	supports only 41h(-63) - BFh(+63)	---	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	○ 	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	○ 	---	---
Color Correction Cy Saturation	OSD:92:[Data] QSD:92	01h - 80h - FFh	-127 - 0 - +127	supports only 41h(-63) - BFh(+63)	---	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	supports only 01h(-127) - FEh(+126)	supports only 61h(-31) - 9Fh(+31)	supports only 61h(-31) - 9Fh(+31)	supports only 61h(-31) - 9Fh(+31)	supports only 41h(-63) - BFh(+63)	○ 	---	---

ITEM	Command Control / Response / Confirmation	Data	Data Contents	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
			Control and Response to contol												
Color Correction Cy Phase	OSD:93:[Data] QSD:93	01h - 80h - FFh	-127 - 0 - +127	supports only 41h(-63) - BFh(+63)	---	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	○ 	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	○ 	---	---
Color Correction Cy_B Saturation	OSD:94:[Data] QSD:94	01h - 80h - FFh	-127 - 0 - +127	supports only 41h(-63) - BFh(+63)	---	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	supports only 01h(-127) - FEh(+126)	---	---	---	supports only 41h(-63) - BFh(+63)	○ 	---	---
Color Correction Cy_B Phase	OSD:95:[Data] QSD:95	01h - 80h - FFh	-127 - 0 - +127	supports only 41h(-63) - BFh(+63)	---	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	○ 	---	---	---	supports only 41h(-63) - BFh(+63)	○ 	---	---
Color Correction B Saturation	OSD:96:[Data] QSD:96	01h - 80h - FFh	-127 - 0 - +127	supports only 41h(-63) - BFh(+63)	---	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	supports only 01h(-127) - FEh(+126)	supports only 61h(-31) - 9Fh(+31)	supports only 61h(-31) - 9Fh(+31)	supports only 61h(-31) - 9Fh(+31)	supports only 41h(-63) - BFh(+63)	○ 	---	---
Color Correction B Phase	OSD:97:[Data] QSD:97	01h - 80h - FFh	-127 - 0 - +127	supports only 41h(-63) - BFh(+63)	---	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	○ 	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	supports only 41h(-63) - BFh(+63)	○ 	---	---
Character Mix Select	OSD:98:[Data1]:[Data2] QSD:98:[Data1]	Data1 0 1 Data2 0 1 2	Output Browser/Video SDI/HDMI, Component Character Mix Select Off On Off By Browser	---	---	---	---	---	---	---	---	---	---	suports only Output 0 (Browser/Video). 1 (SDI/HDMI, Compone nt) Character Mix Select 2 (Off By Browser) is Valid When Output is 1 (SDI/HDMI, Compone nt)	---
Color Correction Mg_R_R Saturation	OSD:9A:[Data] QSD:9A	41h - 80h - BFh	-63 - 0 - +63	○ 	---	○ 	○ 	---	---	---	---	○ 	---	---	---
Color Correction Mg_R_R Phase	OSD:9B:[Data] QSD:9B	41h - 80h - BFh	-63 - 0 - +63	○ 	---	○ 	○ 	---	---	---	---	○ 	---	---	---
Color Correction R_R_YI Saturation	OSD:9C:[Data] QSD:9C	41h - 80h - BFh	-63 - 0 - +63	○ 	---	○ 	○ 	---	supports only 61h(-31) - 9Fh(+31)	supports only 61h(-31) - 9Fh(+31)	supports only 61h(-31) - 9Fh(+31)	○ 	---	---	---
Color Correction R_R_YI Phase	OSD:9D:[Data] QSD:9D	41h - 80h - BFh	-63 - 0 - +63	○ 	---	○ 	○ 	---	○ 	○ 	○ 	○ 	---	---	---
Color Correction R_YI_YI Saturation	OSD:9E:[Data] QSD:9E	41h - 80h - BFh	-63 - 0 - +63	○ 	---	○ 	○ 	---	supports only 61h(-31) - 9Fh(+31)	supports only 61h(-31) - 9Fh(+31)	supports only 61h(-31) - 9Fh(+31)	○ 	---	---	---
Color Correction R_YI_YI Phase	OSD:9F:[Data] QSD:9F	41h - 80h - BFh	-63 - 0 - +63	○ 	---	○ 	○ 	---	○ 	○ 	○ 	○ 	---	---	---
V Detail Level	OSD:A1:[Data] QSD:A1	79h - 80h - 87h	-7 - 0 - 7	○ 	---	○ 	○ 	---	---	---	---	○ 	---	---	---
Detail Band /Detail Frequency	OSD:A2:[Data] QSD:A2	79h - 80h - 87h	-7 - 0 - 7	○ 	---	○ 	○ 	---	---	---	---	○ 	---	---	---

ITEM	Command Control / Response / Confirmation	Data	Data Contents												
			Control and Response to control	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
Flesh Tone Noise Suppress /Skin Detail Effect	OSD:A3: [Data] QSD:A3	80h - 9Fh	0 - 31	○	---	○	○	---	---	---	---	○	---	---	---
Matrix(R-G)	OSD:A4: [Data] QSD:A4	41h - 80h - BFh	-63 - 0 - 63	○	---	○	○	---	---	---	---	○	---	---	---
Matrix(R-B)	OSD:A5: [Data] QSD:A5	41h - 80h - BFh	-63 - 0 - 63	○	---	○	○	---	---	---	---	○	---	---	---
Matrix(G-R)	OSD:A6: [Data] QSD:A6	41h - 80h - BFh	-63 - 0 - 63	○	---	○	○	---	---	---	---	○	---	---	---
Matrix(G-B)	OSD:A7: [Data] QSD:A7	41h - 80h - BFh	-63 - 0 - 63	○	---	○	○	---	---	---	---	○	---	---	---
Matrix(B-R)	OSD:A8: [Data] QSD:A8	41h - 80h - BFh	-63 - 0 - 63	○	---	○	○	---	---	---	---	○	---	---	---
Matrix(B-G)	OSD:A9: [Data] QSD:A9	41h - 80h - BFh	-63 - 0 - 63	○	---	○	○	---	---	---	---	○	---	---	---
Color Correction Cy_Cy_B Saturation	OSD:AA: [Data] QSD:AA	61h - 80h - 9Fh	-31 - 0 - +31	---	---	---	---	---	○	○	○	---	---	---	---
Color Correction Cy_Cy_B Phase	OSD:AB: [Data] QSD:AB	41h - 80h - BFh	-63 - 0 - +63	---	---	---	---	---	○	○	○	---	---	---	---
Color Correction Cy_B_B Saturation	OSD:AC: [Data] QSD:AC	61h - 80h - 9Fh	-31 - 0 - +31	---	---	---	---	---	○	○	○	---	---	---	---
Color Correction Cy_B_B Phase	OSD:AD: [Data] QSD:AD	41h - 80h - BFh	-63 - 0 - +63	---	---	---	---	---	○	○	○	---	---	---	---
Chroma Level	OSD:B0: [Data] QSD:B0	00h 1Dh - 80h - A8h - E3h AK-UB300 00h 1Dh - 80h - A8h	0ff -99% - 0 - 40% - 99% UB300 -100% -99% - 0 - 40%	○	---	○	supports only 00 (0ff) , 1D (-99%) - A8 (40%)	○	---	---	---	supports only 00 (0ff) , 1D (-99%) - A8 (40%)	---	---	---
Color Temperature	OSD:B1: [Data] QSD:B1	※	※	---	---	---	※	---	※	※	※	※	---	---	---
Night Mode Select	OSD:B2: [Data] QSD:B2	0 1	Manual Auto	---	---	---	---	---	○	○	○	---	---	---	---

ITEM	Command Control / Response / Confirmation	Data	Data Contents												
			Control and Response to control	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
i. Zoom	OSD:B3:[Data] QSD:B3	0	Disable	[Zoom Mode] -Opt Zoom OSE:70:0 OSD:B3:0		[Zoom Mode] -Opt Zoom OSE:70:0 OSD:B3:0			○	○	○				
		1													
HDR	OSD:B4:[Data] QSD:B4	0	Off							supports only 0 (Off) , 1 (Low) , 3 (High)	supports only 0 (Off) , 1 (Low) , 3 (High)	supports only 0 (Off) , 1 (Low) , 3 (High)			
		1													
Night-Day Level	OSD:B7:[Data] QSD:B7	2	Low						○	○	○				
		1													
Digital Extender Magnification	OSD:B8:[Data] QSD:B8	2	Mid												
		1													
		3	High												
		4													
Format_SDI	OSD:B9:[Data] QSD:B9	0h	x1.4						○	○					
		1h													
		2h	x2.0												
		3h													
		4h	x4.0												
		5h													
		6h	x6.0												
		7h													
		8h	x8.0												
		9h													
		10h													
		11h													
		12h													
		13h													
		14h													
		15h													
		16h													
Color Bar Type	OSD:BA:[Data] QSD:BA	0	Type2 (Full BAR/EBU)	○	---	○	---	---	○	○	V1. 21+AW-SFU01	---	---	---	---
		1													
ALC	OSD:BB:[Data] QSD:BB	0	Off	---	---	---	---	---	○	○	V1. 21+AW-SFU01	---	---	---	---
		1													
Equalize	OSD:BC:[Data] QSD:BC	0	Off	---	---	---	---	---	○	○	V1. 21+AW-SFU01	---	---	---	---
		1													
Color Bar Title	OSD:BE:[Data] QSD:BE	2	Low Cut	---	---	---	---	---				---	---	---	---
		1													
Auto Shutter Limit	OSD:BF:[Data] QSD:BF	0	On	---	---	---	---	---	○	○	---	---	---	---	---
		1													
		2													
		3													
		4													
		4													
		2													
		3													
		4													
		4													
Color Correction B_B_Mg Saturation	OSD:C0:[Data] QSD:C0	61h	-31	---	---	---	---	---	○	○	○	---	---	---	---
		-													
		80h	0	---	---	---	---	---				---	---	---	---
		-													
		9Fh	+31	---	---	---	---	---				---	---	---	---
		-													
Color Correction B_B_Mg Phase	OSD:C1:[Data] QSD:C1	41h	-63	---	---	---	---	---	○	○	○	---	---	---	---
		-													
		80h	0	---	---	---	---	---				---	---	---	---
		-													
		BFh	+63	---	---	---	---	---				---	---	---	---
		-													

ITEM	Command Control / Response / Confirmation	Data	Data Contents												
			Control and Response to control	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
Color Correction B_Mg_Mg Saturation	OSD:C2:[Data] QSD:C2	61h	-31	---	---	---	---	---	○	○	○	---	---	---	---
		-	-												
		80h	0												
		-	-												
		9Fh	+31												
		41h	-63	---	---	---	---	---	○	○	○	---	---	---	---
		-	-												
		80h	0												
Color Correction B_Mg_Mg Phase	OSD:C3:[Data] QSD:C3	-	-												
		80h	0												
		-	-												
		BFh	+63												
Color Correction YI_YI_G Saturation	OSD:C4:[Data] QSD:C4	61h	-31	---	---	---	---	---	○	○	○	---	---	---	---
		-	-												
		80h	0												
		-	-												
Color Correction YI_YI_G Phase	OSD:C5:[Data] QSD:C5	9Fh	+31												
		41h	-63	---	---	---	---	---	○	○	○	---	---	---	---
		-	-												
		80h	0												
Color Correction YI_G_G Saturation	OSD:C6:[Data] QSD:C6	-	-												
		80h	0												
		-	-												
		9Fh	+31												
Color Correction YI_G_G Phase	OSD:C7:[Data] QSD:C7	41h	-63	---	---	---	---	---	○	○	○	---	---	---	---
		-	-												
		80h	0												
		-	-												
E.DRS Select	OSD:C8:[Data] QSD:C8	BFh	+63												
		0	Off	---	---	---	---	---	supports only	supports only	supports only	---	---	---	---
		1	Low						0 (Off) ,	0 (Off) ,	0 (Off) ,				
		2	Mid						1 (Low) ,	1 (Low) ,	1 (Low) ,				
D/C Mode (D/C Board)	OSE:20:[Data] QSE:20	3	High						3 (High)	3 (High)	3 (High)				
		0	Side Cut	---	---	---	---	---	---	---	---	○	○	○	○
		1	Squeeze												
		2	Letter Box												
Matrix Type	OSE:31:[Data] QSE:31	3	Link												
		0	Normal	○	---	○	○	---	○	○	○	○	○	○	supports only
		1	EBU Matrix												0 (NORMAL) ,
		2	NTSC Matrix												1 (EBU MATRIX) ,
Soft Skin	OSE:32:[Data] QSE:32	3	User												2 (NTSC MATRIX)
		0	Off	---	---	---	---	---	supports only	supports only	supports only	---	---	supports only	supports only
		1	Low						0 (Off) , 1 (Low) , 3 (High)	0 (Off) , 1 (Low) , 3 (High)	0 (Off) , 1 (Low) , 3 (High)			0 (Off) , 1 (Low) , 3 (High)	0 (Off) , 1 (Low) , 3 (High)
		2	Mid												
DRS	OSE:33:[Data] QSE:33	3	High												
		0	Off	○	supports only	○	○	---	supports only	supports only	supports only	○	○	supports only	supports only
		1	Low(On)		0 (Off)				0 (Off) , 1 (Low) , 3 (High)	0 (Off) , 1 (Low) , 3 (High)	0 (Off) , 1 (Low) , 3 (High)			0 (Off) , 1 (Low) , 3 (High)	0 (Off) , 1 (Low) , 3 (High)
		2	Mid		1 (On)										
HDMI Video Sampling	OSE:68:[Data] QSE:68	3	High												
		0	RGB (NOR)	supports only	---	supports only	---	---	---	---	---	---	---	supports only	supports only
		1	RGB (ENH)	2 (YPbPr (422))		2 (YPbPr (422))								0 (RGB (NOR))	0 (RGB (NOR))
		2	YPbPr (422)	4 (YPbPr (420))		4 (YPbPr (420))								1 (RGB (ENH))	1 (RGB (ENH))
Push Auto Focus	OSE:69:[Data]	3	YPbPr (444)											2 (YPbPr (422))	2 (YPbPr (422))
		4	YPbPr (420)											3 (YPbPr (444))	3 (YPbPr (444))
		0	Push Auto	○	---	○	○	---	○	○	○	○	○	○	○
		1	Disable												
Digital Zoom	OSE:70:[Data] QSE:70	0	Enable	[Zoom Mode]	○	[Zoom Mode]	○	---	○	○	○	○	○	○	○
		1		-Opt Zoom		-Opt Zoom									
				OSE:70:0		OSE:70:0									
				OSD:B3:0		OSD:B3:0									
Preset Scope	OSE:71:[Data] QSE:71			-i Zoom		-i Zoom									
				OSE:70:0		OSE:70:0									
				OSD:B3:1		OSD:B3:1									
				-D Zoom		-D Zoom									
				OSE:70:1		OSE:70:1									
				OSD:B3:0		OSD:B3:0									
		0	Mode A	○	---	○	○	---	○	○	○	○	○	○	○
		1	Mode B												
		2	Mode C												

ITEM	Command Control / Response / Confirmation	Data	Data Contents	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
			Control and Response to contol												
Gamma Mode	QSE:72: [Data] QSE:72	0	Off	supports only	---	○	supports only	---	○	○	○	supports only	○	○	○
		1	Normal	0 (HD)			0 (HD)					0 (HD)			
		2	Cinema	2 (FILMLIKE1)			2 (FILMLIKE1)					1 (SD)			
				3 (FILMLIKE2)			3 (FILMLIKE2)					2 (FILMLIKE1)			
		0	UE100, UE150, HR140, HE130	4 (FILMLIKE3)			4 (FILMLIKE3)					3 (FILMLIKE2)			
		1	HD									4 (FILMLIKE3)			
		2	SD												
		3	FILMLIKE1												
Back Light Compensation	QSE:73: [Data] QSE:73	0	Off	---	○	---	---	---	○	○	○	---	---	○	○
		1	On												
Auto F.Mix Max Gain	QSE:74: [Data] QSE:74	00	(Off)	○	---	---	---	---	○	○	○	---	---	○	○
		01	6dB												
		02	12dB												
		03	18dB												
OSD Off With Tally	QSE:75: [Data] QSE:75	0	Off	○	○	○	○	---	○	○	○	○	○	○	○
		1	On												
Digital Zoom Magnification	QSE:76: [Data] QSE:76	0100	*1.00	supports only	---	supports only	supports only	---	supports only	supports only	supports only	supports only	supports only	supports only	supports only
		-	-	0100 (*1.00)		0100 (*1.00)	0100 (*1.00)		0100 (*1.00)	0100 (*1.00)	0100 (*1.00)	0100 (*1.00)	0100 (*1.00)	0100 (*1.00)	0100 (*1.00)
		9999	*99.99	-		-	-		-	-	-	-	-	-	-
Frequency	QSE:77: [Data] QSE:77			1000 (*10.00)		1000 (*10.00)	1000 (*10.00)		1200 (*12.00)	1200 (*12.00)	1600 (*16.00)	1000 (*10.00)	1000 (*10.00)	1000 (*10.00)	1000 (*10.00)
		0	59.94Hz	supports only	supports only	supports only	supports only	---	supports only	supports only	supports only	supports only	supports only	supports only	supports only
		1	50.00Hz	0 (59.94Hz),	0 (59.94Hz),	0 (59.94Hz),	0 (59.94Hz),		0 (59.94Hz),	0 (59.94Hz),	0 (59.94Hz),	0 (59.94Hz),	0 (59.94Hz),	0 (59.94Hz),	0 (59.94Hz),
		2	24.00Hz	1 (50.00Hz),	1 (50.00Hz),	1 (50.00Hz),	1 (50.00Hz),		1 (50.00Hz)	1 (50.00Hz)	1 (50.00Hz)	1 (50.00Hz)	1 (50.00Hz)	1 (50.00Hz)	1 (50.00Hz)
		3	23.98Hz	2 (24.98Hz),	4 (60.00Hz)	2 (24.98Hz),	2 (24.98Hz),								
Max Digital Zoom	QSE:7A: [Data] QSE:7A	02	x2	supports only	---	supports only	supports only	---	supports only	supports only	supports only	supports only	supports only	---	---
		-	-	02 (x2)		02 (x2)	02 (x2)		02: (x2)	02: (x2)	02 (x2)	02 (x2)	02 (x2)		
		18	x18	-		-	-		-	-	-	-	-		
OSD Mix	QSE:7B: [Data] QSE:7B			10 (x10)		10 (x10)	10 (x10)		12 (x12)	12 (x12)	16 (x16)	10 (x10)	10 (x10)		
		00h	OSD Mix Off	supports only	---	supports only	supports only	supports only	---	---	---	supports only	supports only	---	---
		01h	SDI On	00 (OSD Mix Off)		00 (OSD Mix Off)	00 (OSD Mix Off)					00 (OSD Mix Off)	00 (OSD Mix Off)		
		02h	HDMI On	01 (3G SDI On)		01 (SDI On)	01 (SDI On)					01 (SDI On)	01 (SDI On)		
		04h	Analog On	02 (HDMI On)		02 (HDMI On)	10 (IP On)					02 (HDMI On)	02 (HDMI On)		
		08h	Video On	10 (NDI HX On)		10 (IP On)						08 (Video On)	04 (Analog On)		
		10h	IP On	20 (12G SDI On)		20 (12G SDI/OPTICAL On)						10 (IP On)	08 (Video On)		
		20h	12G SDI/Optical On	80 (NDI On)		40 (MONI On)									
		40h	MONI On												
		80h	NDI On												
Preset Digital Extender Enable	QSE:7C: [Data] QSE:7C	0	Off	○	---	○	○	---	---	---	---	○	---	---	---
		1	On												
Preset Zoom Mode	QSE:7D: [Data] QSE:7D	0	Mode A	○	---	○	○	---	---	---	---	---	---	---	---
		1	Mode B												
Peak Frequency	QSG:30: [Data] QSG:30	00h	0	---	---	---	---	[In case HD format] 00h(0) - 1Fh(31)	---	---	---	---	---	---	---
		04h	4					[In case 4K format] 00h(0) - 04h(4)							
		-	-												
		1Fh	31												
V Detail Level	QSG:32: [Data] QSG:32	00h	00	---	---	---	---	○	---	---	---	---	---	---	---
		-	-												
		3Fh	63												
V Detail Frequency	QSG:35: [Data] QSG:35	00h	0	---	---	---	---	[In case HD format] 00h(0) - 1Fh(31)	---	---	---	---	---	---	---
		04h	4					[In case 4K format] 00h(0) - 04h(4)							
		-	-												
		1Fh	31												
R Gain	QSG:39: [Data] QSG:39	418h	-1000	V1.00	---	V1.00	---	○	---	---	---	---	---	---	---
		-	-	support only		support only									
		800h	0	738h(-200)		738h(-200)									
		-	-	-		-									
B Gain	QSG:3A: [Data] QSG:3A	BE8h	1000	8C8h(200)		8C8h(200)									
		418h	-1000	V1.00	---	V1.00	---	○	---	---	---	---	---	---	---
		-	-	support only		support only									
Level Dependent SW	QSG:3E: [Data] QSG:3E	800h	0	738h(-200)		738h(-200)									
		-	-	-		-									
		BE8h	1000	8C8h(200)		8C8h(200)									
		0	Off	---	---	---	---	○	---	---	---	---	---	---	---
		1	On												

ITEM	Command Control / Response / Confirmation	Data	Data Contents	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
			Control and Response to control												
Knee Aperture Level	OSG:3F: [Data] OSG:3F	00h – 27h	0 – 39	supports only 00h(0) – 05h(5)	---	supports only 00h(0) – 05h(5)	---	○	---	---	---	---	---	---	---
Detail +Clip	OSG:40: [Data] OSG:40	00h – 3Fh	0 – 63	---	---	---	---	○	---	---	---	---	---	---	---
Detail –Clip	OSG:41: [Data] OSG:41	00h – 3Fh	0 – 63	---	---	---	---	○	---	---	---	---	---	---	---
Memory Select	OSG:42: [Data] OSG:42	0 1 2	A B C	---	---	---	---	○	---	---	---	---	---	---	---
H Position	OSG:44: [Data] OSG:44	000h – 190h	0 – 100.00% (0.25% step)	---	---	---	---	○	---	---	---	---	---	---	---
V Position	OSG:45: [Data] OSG:45	000h – 190h	0 – 100.00% (0.25% step)	---	---	---	---	○	---	---	---	---	---	---	---
Zebra Effect Memory	OSG:47: [Data] OSG:47	0 1 2 3 4 5 6	A B C A+B A+C B+C A+B+C	---	---	---	---	○	---	---	---	---	---	---	---
Skin Tone Effect Memory	OSG:48: [Data] OSG:48	0 1 2 3 4 5 6	A B C A+B A+C B+C A+B+C	---	---	---	---	○	---	---	---	---	---	---	---
Skin Tone Crisp	OSG:49: [Data] OSG:49	41h – 80h – BFh	–63 – 0 – +63	---	---	---	---	○	---	---	---	---	---	---	---
Master Pedestal	OSG:4A: [Data] OSG:4A	1Dh – 80h – E3h	–99 – 0 – 99	---	---	---	---	○	---	---	---	---	---	---	---
R Pedestal	OSG:4C: [Data] OSG:4C	4E0h – 800h – B20h	–800 – 0 – 800	---	---	---	---	○	---	---	---	---	---	---	---
B Pedestal	OSG:4E: [Data] OSG:4E	4E0h – 800h – B20h	–800 – 0 – 800	---	---	---	---	○	---	---	---	---	---	---	---
Skin Tone Q Phase	OSG:4F: [Data] OSG:4F	000h – 167h	0 – 359	---	---	---	---	○	---	---	---	---	---	---	---
Shutter SW	OSG:59: [Data] OSG:59	0 1	Off On	---	---	---	---	○	---	---	---	---	---	---	---
Shutter Mode	OSG:5A: [Data] OSG:5A	0 1	Shutter Sync	---	---	---	---	○	---	---	---	---	---	---	---
Shutter Speed	OSG:5D: [Data] OSG:5D	※	※	---	---	---	---	※	---	---	---	---	---	---	---
Gamma Mode	OSG:86: [Data] OSG:86	0 1 2 3 4 5	HD FILMLIKE1 FILMLIKE2 FILMLIKE3 FILM REC VIDEO REC	---	---	---	---	○	---	---	---	---	---	---	---
Chroma Level SW	OSG:93: [Data] OSG:93	0 1	Off On	---	---	---	---	○	---	---	---	---	---	---	---
Master Flare	OSG:96: [Data] OSG:96	1Ch – 80h – E4h	–100 – 0 – 100	---	---	---	---	○	---	---	---	---	---	---	---

ITEM	Command Control / Response / Confirmation	Data	Data Contents												
			Control and Response to control	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
Auto Knee Response	OSG:97:[Data] QSG:97	1 - 8	1 - 8	○	---	○	---	○	---	---	---	---	---	---	---
Matrix	OSG:A0:[Data] QSG:A0	0 1	Off On	---	---	---	---	○	---	---	---	---	---	---	---
Color Correct Table	OSG:A4:[Data] QSG:A4	0 1	A B	---	---	---	---	○	---	---	---	---	---	---	---
Matrix (R-G)_N	OSG:A5:N:[Data] OSG:A5:[N P]:[Data] QSG:A5:N	00h - 1Fh - 3Eh	-31 - 0 - +31	---	---	---	---	○	---	---	---	---	---	---	---
Matrix (R-G)_P	OSG:A5:P:[Data] OSG:A5:[N P]:[Data] QSG:A5:P	00h - 1Fh - 3Eh	-31 - 0 - +31	---	---	---	---	○	---	---	---	---	---	---	---
Matrix (R-B)_N	OSG:A6:N:[Data] OSG:A6:[N P]:[Data] QSG:A6:N	00h - 1Fh - 3Eh	-31 - 0 - +31	---	---	---	---	○	---	---	---	---	---	---	---
Matrix (R-B)_P	OSG:A6:P:[Data] OSG:A6:[N P]:[Data] QSG:A6:P	00h - 1Fh - 3Eh	-31 - 0 - +31	---	---	---	---	○	---	---	---	---	---	---	---
Matrix (G-R)_N	OSG:A7:N:[Data] OSG:A7:[N P]:[Data] QSG:A7:N	00h - 1Fh - 3Eh	-31 - 0 - +31	---	---	---	---	○	---	---	---	---	---	---	---
Matrix (G-R)_P	OSG:A7:P:[Data] OSG:A7:[N P]:[Data] QSG:A7:P	00h - 1Fh - 3Eh	-31 - 0 - +31	---	---	---	---	○	---	---	---	---	---	---	---
Matrix (G-B)_N	OSG:A8:N:[Data] OSG:A8:[N P]:[Data] QSG:A8:N	00h - 1Fh - 3Eh	-31 - 0 - +31	---	---	---	---	○	---	---	---	---	---	---	---
Matrix (G-B)_P	OSG:A8:P:[Data] OSG:A8:[N P]:[Data] QSG:A8:P	00h - 1Fh - 3Eh	-31 - 0 - +31	---	---	---	---	○	---	---	---	---	---	---	---
Matrix (B-R)_N	OSG:A9:N:[Data] OSG:A9:[N P]:[Data] QSG:A9:N	00h - 1Fh - 3Eh	-31 - 0 - +31	---	---	---	---	○	---	---	---	---	---	---	---
Matrix (B-R)_P	OSG:A9:P:[Data] OSG:A9:[N P]:[Data] QSG:A9:P	00h - 1Fh - 3Eh	-31 - 0 - +31	---	---	---	---	○	---	---	---	---	---	---	---
Matrix (B-G)_N	OSG:AA:N:[Data] OSG:AA:[N P]:[Data] QSG:AA:N	00h - 1Fh - 3Eh	-31 - 0 - +31	---	---	---	---	○	---	---	---	---	---	---	---
Matrix (B-G)_P	OSG:AA:P:[Data] OSG:AA:[N P]:[Data] QSG:AA:P	00h - 1Fh - 3Eh	-31 - 0 - +31	---	---	---	---	○	---	---	---	---	---	---	---
Skin Area SW	OSG:B0:[Data] QSG:B0	0 1	Off On	---	---	---	---	○	---	---	---	---	---	---	---
Skin Area Table	OSG:B1:[Data] QSG:B1	0 1	A B	---	---	---	---	○	---	---	---	---	---	---	---
Skin Area Hue	OSG:B2:[Data] QSG:B2	01h - 80h - FFh	-127 - 0 - +127	---	---	---	---	○	---	---	---	---	---	---	---

ITEM	Command Control / Response / Confirmation	Data	Data Contents	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
			Control and Response to control												
Skin Area Tone	OSG:B3:[Data] QSG:B3	01h	-127	---	---	---	---	○	---	---	---	---	---	---	---
		-	-												
		80h	0												
		-	-												
DNR Level	OSG:B5:[Data] QSG:B5	FEh	+126												
		1	1	---	---	---	---	○	---	---	---	---	---	---	---
		-	-												
		5	5												
Haze Reduction	OSG:B6:[Data] QSG:B6	0	Off	---	---	---	○	○	---	---	---	---	---	---	---
		1	On												
Haze Reduction Level	OSG:B7:[Data] QSG:B7	1	1	---	---	---	○	○	---	---	---	---	---	---	---
		-	-												
		3	3												
Genlock Input	OSG:CA:[Data] QSG:CA	0	BNC	---	---	---	---	○	---	---	---	---	---	---	---
		1	DSUB												
H Phase-Coarse	OSG:CB:[Data] QSG:CB	3h	-5	---	---	---	---	○	---	---	---	---	---	---	---
		-	-												
		8h	0												
		-	-												
H Phase-Fine	OSG:CC:[Data] QSG:CC	Dh	+5												
		10h	-100	---	---	---	---	○	---	---	---	---	---	---	---
		-	-												
		80h	0												
Shutter	OSH:[Data] QSH	-	-												
		E4h	+100												
		0h	Off	---	---	---	※	---	※	※	※	※	※	※	※
		1h	1/50												
		2h	1/60												
		3h	1/100 (NTSC) 、 1/120 (PAL)												
		4h	1/120 (NTSC) 、 1/100 (PAL)												
		5h	1/250												
		6h	1/500												
		7h	1/1000												
		8h	1/2000												
		9h	1/4000												
		Ah	1/10000												
		Bh	Synchro-Scan												
		Ch	ELC (Auto ND)												
Crop H/V Position Speed Control	OSI:15:[Data1]:[Data2]]	Dh	1/24												
		Eh	1/25												
		Fh	1/30												
		[Data1]	[Data1]	○	---	○	---	○	---	---	---	---	---	---	---
		01	Left Max. Speed												
		-	-												
Crop Out	OSI:16:[Data] OSI:16	50	Stop												
		-	-												
		99	Right Max. Speed												
		[Data2]	[Data2]												
		01	Down Max. Speed												
		-	-												
Crop Adjust	OSI:17:[Data] OSI:17	50	Stop												
		-	-												
		99	UP Max. Speed												
Request Zoom/Focus/Iris Position	OSI:18:[Data1]:[Data2]]:[Data3]	1	YI	○	---	○	---	○	---	---	---	---	---	---	---
		2	G												
		3	Mg												
Request Zoom/Focus/Iris Position	OSI:18:[Data1]:[Data2]]:[Data3]	1	YI	○	---	○	---	○	---	---	---	---	---	---	---
		2	G												
		3	Mg												
		[Data1]	[Data1] Zoom Position												
		555h	Wide												
		-	-												
		FFFh	Tele												
		[Data2]	[Data2] Focus Position												
		555h	Near												
		-	-												
Request Zoom/Focus/Iris Position	OSI:18:[Data1]:[Data2]]:[Data3]	FFFh	Far												
		[Data3]	[Data3] Iris Position												
		555h	Close												
		-	-												
Request Zoom/Focus/Iris Position	OSI:18:[Data1]:[Data2]]:[Data3]	FFFh	Open												

ITEM	Command Control / Response / Confirmation	Data	Data Contents	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
			Control and Response to control												
Software Version	OS1:19:[Data1] OS1:19:[Data1]:[Data2]]	[Data1] 0 1 2 3 4 5 6 [Data2] (Ver. String)	[Data1] System Version Cam Main Network ROM Table Cam FPGA AVIO FPGA Option FPGA [Data2] (ex) 01.00-000-00.00	---	---	---	---	○	---	---	---	---	---	---	---
		0 1 2 3 4 5 6 7	Off YI G Mg YI+G YI+Mg G+Mg YI+G+Mg	○	---	○	---	supports only 1 (YI) 2 (G) 3 (Mg) 4 (YI+G) 5 (YI+Mg) 6 (G+Mg) 7 (YI+G+Mg)	---	---	---	---	---	---	---
		738h - 800h - 8C8h	-50% - 0% - +50% (0.25% step)	---	---	---	---	○	---	---	---	---	---	---	---
		738h - 800h - 8C8h	-50% - 0% - +50% (0.25% step)	---	---	---	---	○	---	---	---	---	---	---	---
		00h - 64h	0 - 100	---	---	---	---	○	---	---	---	---	---	---	---
		1h - Ah	Inc 1 - Inc 10	○	---	○	---	supports only 1h(Inc 1)	---	---	---	---	---	---	---
		1h - Ah	Dec 1 - Dec 10	○	---	○	---	supports only 1h(Dec 1)	---	---	---	---	---	---	---
Color Temperature	OS1:20:[Data1]:[Data2]] OS1:20	[Data1] 00000h - FFFFFh [Data2] 0h 1h 2h	[Data1] OK - 1048575K [Data2] Valid Under Over	[Data1] supports only 007D0h (2000K) - 03A98h (15000K) [Data2] supports only 0 (valid)	---	[Data1] supports only 007D0h (2000K) - 03A98h (15000K) [Data2] supports only 0 (valid)	---	supports only Confirmation Command	---	---	---	---	---	---	---
		0 1 2	Off On Lock	---	---	---	○	---	---	---	---	---	---	---	---
		0 1	AE AE+ATW	---	---	---	○	---	---	---	---	---	---	---	---
		0 1 2 3	Through 1/8 1/64 Auto	---	---	---	○	---	---	---	---	---	---	---	---
		0 1 2	Normal Sports SN	---	---	---	○	---	---	---	---	---	---	---	---
ATW Speed	OS1:25:[Data] OS1:25	0 1 2	Normal Slow Fast	○	---	○	○	---	---	---	---	---	---	---	---
		1 2 3 4 5	1 2 3 4 5	---	---	---	○	---	---	---	---	---	---	---	---
ATW Width	OS1:26:[Data] OS1:26	0 1 2 3 4 5	Off On	○	---	○	○	---	---	---	---	---	---	---	---
		0 1	Level A Level B	○	---	○	○	---	---	---	---	---	---	---	---
Option Device Type	OS1:2A OS1:2A:[Data]	[AK-UB300] 0 1 2 3	[AK-UB300] no option 4K default 12G option TICO option	---	---	---	---	○	---	---	---	---	---	---	---
		0 1	Off On	---	---	---	○	---	---	---	---	---	---	---	---
		0 1	Level A Level B	○	---	○	○	---	---	---	---	---	---	---	---
		0 1	Level A Level B	○	---	○	○	---	---	---	---	---	---	---	---
DC Out	OS1:2B:[Data] OS1:2B	0 1	Off On	---	---	---	○	---	---	---	---	---	---	---	---

ITEM	Command Control / Response / Confirmation	Data	Data Contents	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
			Control and Response to contol												
HDR SW (MAIN)	OS1:2C:[Data] QS1:2C	0 1	Off On	---	---	---	---	○	---	---	---	---	---	---	---
Colormetry	OS1:2D:[Data] QS1:2D	00h 01h	no effect BT_709	---	---	---	---	○	---	---	---	---	---	---	---
HDR SW (SDI1)	OS1:2E:[Data] QS1:2E	0 1	Off On	---	---	---	---	○	---	---	---	---	---	---	---
HDR SW (LAN)	OS1:2F:[Data] QS1:2F	0 1	Off On	---	---	---	---	○	---	---	---	---	---	---	---
Shooting Mode	OS1:30:[Data] QS1:30	0 1	Normal High Sens.	○	---	○	---	○	---	---	---	---	---	---	---
HDR SW (SDI2)	OS1:31:[Data] QS1:31	0 1	Off On	---	---	---	---	○	---	---	---	---	---	---	---
Crop SDI2/3G SDI Out	OS1:32:[Data] QS1:32	0 1	Full Crop	○	---	○	---	○	---	---	---	---	---	---	---
Crop IP Out	OS1:33:[Data] QS1:33	0 1	Full Crop	○	---	○	---	○	---	---	---	---	---	---	---
Master Gamma	QS1:34: [Data]	05DCh -	0.1500	---	---	---	---	○	---	---	---	---	---	---	---
		1194h -	0.4500	---	---	---	---	---	---	---	---	---	---	---	---
		1D4Ch -	0.7500	---	---	---	---	---	---	---	---	---	---	---	---
R Gamma	OS1:35:[Data] QS1:35	35h -	-75	---	---	---	---	○	---	---	---	---	---	---	---
		80h -	0	---	---	---	---	---	---	---	---	---	---	---	---
		CBh -	+75	---	---	---	---	---	---	---	---	---	---	---	---
B Gamma	OS1:36:[Data] QS1:36	35h -	-75	---	---	---	---	○	---	---	---	---	---	---	---
		80h -	0	---	---	---	---	---	---	---	---	---	---	---	---
		CBh -	+75	---	---	---	---	---	---	---	---	---	---	---	---
Master Gamma Inc	OS1:37:[Data]	1	Inc	---	---	---	---	○	---	---	---	---	---	---	---
Master Gamma Dec	OS1:38:[Data]	1	Dec	---	---	---	---	○	---	---	---	---	---	---	---
HLG Mode (HDR Paint)	OS1:39:[Data] QS1:39	0 1	Fix Var	---	---	---	---	○	---	---	---	---	---	---	---
SDR Convert Mode (HDR Paint)	OS1:3A:[Data] QS1:3A	0 1	Fix Var	---	---	---	---	○	---	---	---	---	---	---	---
HLG Type Select (HDR Paint)	OS1:3B:[Data] QS1:3B	0 1	Normal Stretch	---	---	---	---	○	---	---	---	---	---	---	---
Black Gamma SW (HDR Paint)	OS1:3C:[Data] QS1:3C	0 1	Off On	---	---	---	---	○	---	---	---	---	---	---	---
Master Black Gamma (HDR Paint)	OS1:3D:[Data] QS1:3D	60h -	-32	---	---	---	---	○	---	---	---	---	---	---	---
		80h -	0	---	---	---	---	---	---	---	---	---	---	---	---
		A0h -	+32	---	---	---	---	---	---	---	---	---	---	---	---
R Black Gamma (HDR Paint)	OS1:3E:[Data] QS1:3E	60h -	-32	---	---	---	---	○	---	---	---	---	---	---	---
		80h -	0	---	---	---	---	---	---	---	---	---	---	---	---
		A0h -	+32	---	---	---	---	---	---	---	---	---	---	---	---
B Black Gamma (HDR Paint)	OS1:3F:[Data] QS1:3F	60h -	-32	---	---	---	---	○	---	---	---	---	---	---	---
		80h -	0	---	---	---	---	---	---	---	---	---	---	---	---
		A0h -	+32	---	---	---	---	---	---	---	---	---	---	---	---
Knee SW (HDR Paint)	OS1:40:[Data] QS1:40	0 1	Off On	---	---	○	---	○	---	---	---	---	---	---	---
Knee Point (HDR Paint)	OS1:41:[Data] QS1:41	1Ch -	55.00%	---	---	support only	---	support only	---	---	---	---	---	---	---
		30h -	60.00%	---	---	1Ch (55%) -	---	30h (60%) -	---	---	---	---	---	---	---
		80h -	80.00%	---	---	D0 (100%)	---	D0 (100%)	---	---	---	---	---	---	---
		D0h -	100.00%	---	---	(1step=1%)	---	---	---	---	---	---	---	---	---
		F4h -	109.00%	---	---	---	---	---	---	---	---	---	---	---	---
Knee Slope (HDR Paint)	OS1:42:[Data] QS1:42	00h -	0	---	---	supports only	---	○	---	---	---	---	---	---	---
		C7h -	199	---	---	00h - 64h	---	---	---	---	---	---	---	---	---
SDR Convert Gain (HDR Paint)	OS1:43:[Data] QS1:43	74h 77h 7Ah	-12 -9 -6	---	---	---	---	○	---	---	---	---	---	---	---
		7Dh 80h	-3 0	---	---	---	---	---	---	---	---	---	---	---	---
		0 1 2	Low Mid High	---	---	---	---	○	---	---	---	---	---	---	---

ITEM	Command Control / Response / Confirmation	Data	Data Contents	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
			Control and Response to control												
Error Information	QS1:46 QS1:46: [Data]	0000000h 00000001h 00000002h 00000004h 00000008h 00000010h	No Error Fan Error High Temperature Lens Error Pan/Tilt Error Sensor Error ※bit0:Fan Error, bit1:High Temperature, bit2:Lens Error, bit3:Pan/Tilt Error, bit4:Sensor Error	○	---	○	---	---	---	---	---	---	---	---	---
Auto Iris Speed	QSJ:01: [Data] QSJ:01	0h 1h 2h	Slow Normal Fast	○	---	○	---	---	---	---	---	---	---	---	---
Auto Iris Window	QSJ:02: [Data] QSJ:02	0h 1h 2h	Normal1 Normal2 Center	○	---	○	---	---	---	---	---	---	---	---	---
Shutter Mode	QSJ:03: [Data] QSJ:03	0h 1h 2h 3h	Off Step Synchro ELC	○	supports only 0(Off) 1(Step)	○	---	---	---	---	---	---	---	---	---
Shutter Step Inc	QSJ:04: [Data]	01h — 64h	1 — 100	○	○	○	---	---	---	---	---	---	---	---	---
Shutter Step Dec	QSJ:05: [Data]	01h — 64h	1 — 100	○	○	○	---	---	---	---	---	---	---	---	---
Shutter Step Value	QSJ:06: [Data] QSJ:06	0001h — 2710 h — 3E80h	1/1 — 1/10000 — 1/16000	supports only 0001h (1/1) — 2710h (1/10000)	○	supports only 0001h (1/1) — 2710h (1/10000)	---	---	---	---	---	---	---	---	---
Shutter Synchro Inc	QSJ:07: [Data]	01h — 64h	1 — 100	○	---	○	---	---	---	---	---	---	---	---	---
Shutter Synchro Dec	QSJ:08: [Data]	01h — 64h	1 — 100	○	---	○	---	---	---	---	---	---	---	---	---
Shutter Synchro Value	QSJ:09: [Data] QSJ:09	00000h — 186A0h	0.0 [Hz] — 10000.0[Hz]	○	---	supports only [59.94p/59.94i] 60.0Hz ~ 7200.0Hz [29.97p] 30.0Hz ~ 7200.0Hz [23.98p/24p] 24.0Hz ~ 7200.0Hz [50p/50i] 50.0Hz~7200.0Hz [25p] 25.0Hz~7200.0Hz	---	---	---	---	---	---	---	---	---
Chroma Phase	QSJ:0B: [Data] QSJ:0B	61h — 80h — 9Fh	-31 — 0 — +31	○	---	○	---	---	---	---	---	---	---	---	---
AWB Gain Offset	QSJ:0C: [Data] QSJ:0C	0 1	Off On	---	---	○	---	---	---	---	---	---	---	---	---
ATW Target R	QSJ:0D: [Data] QSJ:0D	76h — 80h — 8Ah	-10 — 0 — +10	○	---	○	---	---	---	---	---	---	---	---	---
ATW Target B	QSJ:0E: [Data] QSJ:0E	76h — 80h — 8Ah	-10 — 0 — +10	○	---	○	---	---	---	---	---	---	---	---	---
Master Pedestal	QSJ:0F: [Data] QSJ:0F	738h — 800h — 8C8h	-200 — 0 — +200	○	---	○	---	---	---	---	---	---	---	---	---
G Pedestal	QSJ:10: [Data] QSJ:10	032h — 096h — 0FAh	-100 — 0 — +100	○	---	○	---	---	---	---	---	---	---	---	---

ITEM	Command Control / Response / Confirmation	Data	Data Contents												
			Control and Response to control	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
Pedestal Offset	0SJ:11: [Data] QJ:11	0 1	Off On	○	---	○	---	---	---	---	---	---	---	---	---
Detail Coring	0SJ:12: [Data] QJ:12	00h 3Ch	0 60	○	---	○	---	---	---	---	---	---	---	---	---
Level Depend.	0SJ:13: [Data] QJ:13	79h 80h 87h	-7 0 7	○	---	○	---	---	---	---	---	---	---	---	---
Down Convert Detail	0SJ:14: [Data] QJ:14	0 1	Off On	---	---	○	---	---	---	---	---	---	---	---	---
Down Convert Master Detail	0SJ:15: [Data] QJ:15	61h 80h 9Fh	-31 0 +31	---	---	○	---	---	---	---	---	---	---	---	---
Down Convert Detail Coring	0SJ:16: [Data] QJ:16	00h 3Ch	0 60	---	---	○	---	---	---	---	---	---	---	---	---
Down Convert V Detail Level	0SJ:17: [Data] QJ:17	79h 80h 87h	-7 0 +7	---	---	○	---	---	---	---	---	---	---	---	---
Down Convert Detail Frequency	0SJ:18: [Data] QJ:18	7Eh 80h 82h	-2 0 +2	---	---	○	---	---	---	---	---	---	---	---	---
Down Convert Level Depend.	0SJ:19: [Data] QJ:19	79h 80h 87h	-7 0 +7	---	---	○	---	---	---	---	---	---	---	---	---
Down Convert Knee Ape Level	0SJ:1A: [Data] QJ:1A	00h 01h 02h 03h 04h 05h	0 1 2 3 4 5	---	---	○	---	---	---	---	---	---	---	---	---
Black Gamma Range	0SJ:1B: [Data] QJ:1B	1 2 3	1 2 3	○	---	○	---	---	---	---	---	---	---	---	---
Color Correction YI_YI_G Saturation	0SJ:1C: [Data] QJ:1C	41h 80h BFh	-63 0 63	○	---	○	---	---	---	---	---	---	---	---	---
Color Correction YI_YI_G Phase	0SJ:1D: [Data] QJ:1D	41h 80h BFh	-63 0 63	○	---	○	---	---	---	---	---	---	---	---	---
12G SDI/Optical Out Output Format	0SJ:1E: [Data] QJ:1E	01h 02h 04h 05h 07h 08h 0Ah 10h 11h 14h 15h 16h 17h 18h 19h 1Ah 1Bh 21h 22h 23h	720/59.94p 720/50p 1080/59.94i 1080/50i 1080/29.97PsF 1080/25PsF 1080/23.98PsF 1080/59.94p 1080/50p 1080/29.97p 1080/25p 1080/23.98p (over 59.94i/p) 2160/29.97p 2160/25p 2160/59.94p 2160/50p 2160/23.98p 2160/24p 1080/24p 1080/23.98p	○	---	○	---	---	---	---	---	---	---	---	---
12G SDI/Optical Out HDR Output Select	0SJ:1F: [Data] QJ:1F	0h 1h 2h	SDR HDR (2020) HDR (709)	---	---	○	---	---	---	---	---	---	---	---	---

ITEM	Command Control / Response / Confirmation	Data	Data Contents												
			Control and Response to control	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
12G SDI/Optical 3G SDI Out	QSJ:20: [Data] QSJ:20	0h 1h	Level A Level B	○	---	○	---	---	---	---	---	---	---	---	---
3G SDI Out Output Format	QSJ:21: [Data] QSJ:21	01h 02h 04h 05h 07h 08h 0Ah 10h 11h 14h 15h 16h 22h 23h	720/59.94p 720/50p 1080/59.94i 1080/50i 1080/29.97PsF 1080/25PsF 1080/23.98PsF 1080/59.94p 1080/50p 1080/29.97p 1080/25p 1080/23.98p (over 59.94i/p) 1080/24p 1080/23.98p	○	---	○	---	---	---	---	---	---	---	---	---
3G SDI Out HDR Output Select	QSJ:22: [Data] QSJ:22	0 1 2	SDR HDR(2020) HDR(709)	---	---	○	---	---	---	---	---	---	---	---	---
MONI Out Output Format	QSJ:23: [Data] QSJ:23	01h 02h 04h 05h 07h 08h 0Ah 14h 15h 16h 22h 23h	720/59.94p 720/50p 1080/59.94i 1080/50i 1080/29.97PsF 1080/25PsF 1080/23.98PsF 1080/29.97p 1080/25p 1080/23.98p (over 59.94i/p) 1080/24p 1080/23.98p	---	---	○	---	---	---	---	---	---	---	---	---
MONI Out HDR Output Select	QSJ:24: [Data] QSJ:24	0 1 2	SDR HDR(2020) HDR(709)	---	---	○	---	---	---	---	---	---	---	---	---
HDMI Out Output Format	QSJ:25: [Data] QSJ:25	01h 02h 04h 05h 10h 11h 14h 15h 16h 17h 18h 19h 1Ah 1Bh 21h 22h 23h	720/59.94p 720/50p 1080/59.94i 1080/50i 1080/59.94p 1080/50p 1080/29.97p 1080/25p 1080/23.98p(over 59.94i/p) 2160/29.97p 2160/25p 2160/59.94p 2160/50p 2160/23.98p 2160/24p 1080/24p 1080/23.98p	○	---	○	---	---	---	---	---	---	---	---	---
HDMI Out HDR Output Select	QSJ:26: [Data] QSJ:26	0 1 2	SDR HDR(2020) HDR(709)	---	---	○	---	---	---	---	---	---	---	---	---
Color Bar Tone	QSJ:27: [Data] QSJ:27	0 1 2	Off Low Normal	○	---	○	---	---	---	---	---	---	---	---	---
Toutch AF	QSJ:28: [Data1] : [Data2]]	[Data1] 00h - 64h [Data2] 00h - 64h	[Data1]H Position 0% - 100% [Data2]V Position 0% - 100%	○	---	○	---	---	---	---	---	---	---	---	---
Preset Speed Unit	QSJ:29: [Data] QSJ:29	0 1	Speed Table Time	○	---	○	---	---	---	---	---	---	---	---	---
Preset Crop	QSJ:2A: [Data] QSJ:2A	0 1	Off On	○	---	○	---	---	---	---	---	---	---	---	---
Preset Thumbnail Update	QSJ:2B: [Data] QSJ:2B	0 1	Off On	○	---	○	---	---	---	---	---	---	---	---	---
Preset Name	QSJ:2C: [Data] QSJ:2C	0 1	Reset Hold	○	---	○	---	---	---	---	---	---	---	---	---
P/T Speed Mode	QSJ:2D: [Data] QSJ:2D	0 1 2	Normal Fast1(Fast) Fast2	○	---	supports only 0 (Normal) 1 (Fast)	---	---	---	---	---	---	---	---	---

ITEM	Command Control / Response / Confirmation	Data	Data Contents												
			Control and Response to contol	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
UHD Crop	0SJ:2E: [Data] 0SJ:2E	0h 1 2	Off Crop(1080) Crop(720)	○	---	○	---	---	---	---	---	---	---	---	---
Crop H Position (YI)	0SJ:2F: [Data] 0SJ:2F	000h	0	○	---	supports only 000h(0) - A00h(2560) (1step=2pix)	---	---	---	---	---	---	---	---	---
		780h	1920												
		-	-												
		A00h	2560												
		-	-												
		C00	3072												
Crop V Position (YI)	0SJ:30: [Data] 0SJ:30	000h	0	○	---	supports only 000h(0) - 5A0h(1440)	---	---	---	---	---	---	---	---	---
		-	-												
		438h	1080												
		-	-												
		5A0h	1440												
		-	-												
		6C0	1728												
Crop H Position (G)	0SJ:31: [Data] 0SJ:31	000h	0	○	---	supports only 000h(0) - A00h(2560) (1step=2pix)	---	---	---	---	---	---	---	---	---
		-	-												
		780h	1920												
		-	-												
		A00h	2560												
		-	-												
		C00	3072												
Crop V Position (G)	0SJ:32: [Data] 0SJ:32	000h	0	○	---	supports only 000h(0) - 5A0h(1440)	---	---	---	---	---	---	---	---	---
		-	-												
		438h	1080												
		-	-												
		5A0h	1440												
		-	-												
		6C0	1728												
Crop H Position (Mg)	0SJ:33: [Data] 0SJ:33	000h	0	○	---	supports only 000h(0) - A00h(2560) (1step=2pix)	---	---	---	---	---	---	---	---	---
		-	-												
		780h	1920												
		-	-												
		A00h	2560												
		-	-												
		C00	3072												
Crop V Position (Mg)	0SJ:34: [Data] 0SJ:34	000h	0	○	---	supports only 000h(0) - 6C0h(1728)	---	---	---	---	---	---	---	---	---
		-	-												
		438h	1080												
		-	-												
		5A0h	1440												
		-	-												
		6C0	1728												
Save Preset Name	0SJ:35: [Data1] : [Data2] 0SJ:35: [Data1]	[Data1] 00 - 99 [Data2] xxxxxxxxxxxxxx	[Data1] Preset001 - Preset100 [Data2] Preset Name (Fixed 15 Charactors)	[Data2] use only follow characters A-Z, a-z, 1-9, _ Half-Width Space	---	[Data2] use only follow characters A-Z, a-z, 1-9, _ Half-Width Space	---	---	---	---	---	---	---	---	---
Delete Preset Name (Single)	0SJ:36: [Data]	[Data] 00 - 99	[Data] Preset001 - Preset100	○	---	○	---	---	---	---	---	---	---	---	---
Delete Preset Name (All)	0SJ:37	-	---	○	---	○	---	---	---	---	---	---	---	---	---
Update Preset Thumbnail	0SJ:39: [Data]	[Data] 00 - 99	[Data] Preset001 - Preset100	○	---	○	---	---	---	---	---	---	---	---	---
Delete Preset Thumbnail (Single)	0SJ:3A: [Data]	[Data] 00 - 99	[Data] Preset001 - Preset100	○	---	○	---	---	---	---	---	---	---	---	---
Delete Preset Thumbnail (All)	0SJ:3B	-	---	○	---	○	---	---	---	---	---	---	---	---	---

ITEM	Command Control / Response / Confirmation	Data	Data Contents	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
			Control and Response to control												
Preset Name / Preset Thumbnail Counter	QSJ:3C: [Data1] QSJ:3C: [Data1] : [Data2]]	[Data1] 00h 01h 02h 03h 04h 05h 06h 07h 08h 09h 0Ah 0Bh [Data2] 00000000h - FFFFFFFFh	[Data1] Preset 001-009 Preset 010-018 Preset 019-027 Preset 028-036 Preset 037-045 Preset 046-054 Preset 055-063 Preset 064-072 Preset 073-081 Preset 082-090 Preset 091-099 Preset 100 [Data2] 00000000h - FFFFFFFFh	○	---	○	---	---	---	---	---	---	---	---	---
Zoom Scale	QSJ:3D QSJ:3D: [Data]	000h - 3E7h	0 - 999	○	---	○	---	---	---	---	---	---	---	---	---
Operation Lock	QSJ:3E: [Data]	xxxxxxx	Any Information (40 Characters)	○	---	○	---	---	---	---	---	---	---	---	---
Release Operation Lock	QSJ:3F	-	---	○	---	○	---	---	---	---	---	---	---	---	---
Operation Lock Status	QSJ:40 QSJ:40: [Data1] : [Data2]]	[Data1] 0 1 [Data2] xxxxxxx	[Data1] Unlock Lock [Data2] Any Information (40 Characters)	○	---	○	---	---	---	---	---	---	---	---	---
External Output 1	QSJ:41: [Data] QSJ:41	0 1 2	Off R-Tally G-Tally	○	---	○	---	---	---	---	---	---	---	---	---
External Output 2	QSJ:42: [Data] QSJ:42	0 1 2	Off R-Tally G-Tally	○	---	○	---	---	---	---	---	---	---	---	---
Power On Position	QSJ:45: [Data] QSJ:45	0 1 2 3	None Standby Home Preset	supports only 1 (Standby) 2 (Home) 3 (Preset)	---	○	---	---	---	---	---	---	---	---	---
Power On Preset Number	QSJ:46: [Data] QSJ:46	00 - 99	Preset001 - Preset100	○	---	○	---	---	---	---	---	---	---	---	---
AWB Color Temperature Inc	QSJ:48: [Data]	1h - Ah	1 - 10	○	---	○	---	---	---	---	---	---	---	---	---
AWB Color Temperature Dec	QSJ:49: [Data]	1h - Ah	1 - 10	○	---	○	---	---	---	---	---	---	---	---	---
AWB Color Temperature	QSJ:4A: [Data1] : [Data2]] QSJ:4A	[Data1] 007D0h - 03A98h [Data2] 0 1 2	[Data1] 2000K - 15000K [Data2] Valid Under Over	○	---	○	---	---	---	---	---	---	---	---	---
AWB R Gain	QSJ:4B: [Data] QSJ:4B	670h - 800h - 990h	-400 - 0 - 400	○	---	○	---	---	---	---	---	---	---	---	---
AWB B Gain	QSJ:4C: [Data] QSJ:4C	670h - 800h - 990h	-400 - 0 - 400	○	---	○	---	---	---	---	---	---	---	---	---
AWB G Axis	QSJ:4D: [Data] QSJ:4D	670h - 800h - 990h	-400 - 0 - 400	○	---	○	---	---	---	---	---	---	---	---	---
Digital Extender	QSJ:4E: [Data] QSJ:4E	0 1 2	Off x1. 4 x2. 0	○	---	○	---	---	---	---	---	---	---	---	---

ITEM	Command Control / Response / Confirmation	Data	Data Contents	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
			Control and Response to contol												
Adaptive Matrix	0SJ:4F:[Data] 0SJ:4F	0 1	Off On	○	---	○	---	---	---	---	---	---	---	---	---
Tracking Data Output Serial Out	0SJ:54 0SJ:54	0 1	Off On	○	---	○	---	---	---	---	---	---	---	---	---
Tracking Data Output IP Out	0SJ:55 0SJ:55	0 1	Off On	○	---	○	---	---	---	---	---	---	---	---	---
Color Setting	0SJ:56 0SJ:56	0 1	Normal V-Log	---	---	○	---	---	---	---	---	---	---	---	---
12G SDI/Optical Out V-Log Output Select	0SJ:57 0SJ:57	0 1	V-Log V-709	---	---	○	---	---	---	---	---	---	---	---	---
3G SDI Out V-Log Output Select	0SJ:58 0SJ:58	0 1	V-Log V-709	---	---	○	---	---	---	---	---	---	---	---	---
MONI Out V-Log Output Select	0SJ:59 0SJ:59	0 1	V-Log V-709	---	---	○	---	---	---	---	---	---	---	---	---
HDMI Out V-Log Output Select	0SJ:5A 0SJ:5A	0 1	V-Log V-709	---	---	○	---	---	---	---	---	---	---	---	---
Preset Iris	0SJ:5B 0SJ:5B	0 1	Off On	○	---	○	---	---	---	---	---	---	---	---	---
Camera Title	0SJ:5C 0SJ:5C	xxxxxxx	Camera Title (Fixed 40 Charactors : ASCII CODE)	○	---	○	---	---	---	---	---	---	---	---	---
Crop H/V Position Speed Control (YI)	0SJ:5D	[Data1] 01 - 50 - 99	[Data1] Left Max. Speed - Stop - Right Max. Speed	○	---	○	---	---	---	---	---	---	---	---	---
		[Data2] 01 - 50 - 99	[Data2] Down Max. Speed - Stop - UP Max. Speed												
Crop H/V Position Speed Control (G)	0SJ:5E	[Data1] 01 - 50 - 99	[Data1] Left Max. Speed - Stop - Right Max. Speed	○	---	○	---	---	---	---	---	---	---	---	---
		[Data2] 01 - 50 - 99	[Data2] Down Max. Speed - Stop - UP Max. Speed												
Crop H/V Position Speed Control (Mg)	0SJ:5F	[Data1] 01 - 50 - 99	[Data1] Left Max. Speed - Stop - Right Max. Speed	○	---	○	---	---	---	---	---	---	---	---	---
		[Data2] 01 - 50 - 99	[Data2] Down Max. Speed - Stop - UP Max. Speed												
Get Crop H/V Position (YI, G, Mg)	0SJ:60 0SJ:60	[Data1] 000h - C00h [Data2] 000h - 6C0h [Data3] 000h - C00h [Data4] 000h - 6C0h [Data5] 000h - C00h [Data6] 000h - 6C0h	[Data1] H POS (YI) 0 - 3072 [Data2] V POS (YI) 0 - 1728 [Data3] H POS (G) 0 - 3072 [Data4] V POS (G) 0 - 1728 [Data5] H POS (Mg) 0 - 3072 [Data6] V POS (Mg) 0 - 1728	○	---	[Data1, 3, 5] H Position (YI, G, Mg) supports only 000h (0) - A00 (2560) [Data2, 4, 6] V Position (YI, G, Mg) supports only 000h (0) - 5A0 (1440)	---	---	---	---	---	---	---	---	---

ITEM	Command Control / Response / Confirmation	Data	Data Contents	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
			Control and Response to control												
Slow Shutter	OSJ:80	0	Off	---	○	---	---	---	---	---	---	---	---	---	---
	QSJ:80	1	On	---	---	---	---	---	---	---	---	---	---	---	---
Mirror	OSJ:81	0	Off	---	○	---	---	---	---	---	---	---	---	---	---
	QSJ:81	1	On	---	---	---	---	---	---	---	---	---	---	---	---
Language	OSJ:82	0	English	---	○	---	---	---	---	---	---	---	---	---	---
	QSJ:82	1	Japanese	---	---	---	---	---	---	---	---	---	---	---	---
		2	Chinese	---	---	---	---	---	---	---	---	---	---	---	---
LDC	OSJ:84	0	Off	---	○	---	---	---	---	---	---	---	---	---	---
	QSJ:84	1	On	---	---	---	---	---	---	---	---	---	---	---	---
Manual Iris Close Limit	OSJ:90	0	Off	○	---	---	---	---	---	---	---	---	---	---	---
	QSJ:90	1	On	---	---	---	---	---	---	---	---	---	---	---	---
Crop AF	OSJ:91	0	Off	○	---	---	---	---	---	---	---	---	---	---	---
	QSJ:91	1	On	---	---	---	---	---	---	---	---	---	---	---	---
Crop Zoom	OSJ:92	0	Off	○	---	---	---	---	---	---	---	---	---	---	---
	QSJ:92	1	On	---	---	---	---	---	---	---	---	---	---	---	---
Crop NDI Out	OSJ:93	0	Full	○	---	---	---	---	---	---	---	---	---	---	---
	QSJ:93	1	Crop	---	---	---	---	---	---	---	---	---	---	---	---
Crop IP Out2	OSJ:94	0	Full	○	---	---	---	---	---	---	---	---	---	---	---
	QSJ:94	1	Crop	---	---	---	---	---	---	---	---	---	---	---	---
Crop Zoom Ratio (YI)	OSJ:98 QSJ:98	02EE0h	120.00%	○	---	---	---	---	---	---	---	---	---	---	---
		—	—	---	---	---	---	---	---	---	---	---	---	---	---
		0C350h	500.00%	---	---	---	---	---	---	---	---	---	---	---	---
Crop Zoom Ratio (G)	OSJ:99 QSJ:99	02EE0h	120.00%	○	---	---	---	---	---	---	---	---	---	---	---
		—	—	---	---	---	---	---	---	---	---	---	---	---	---
		0C350h	500.00%	---	---	---	---	---	---	---	---	---	---	---	---
Crop Zoom Ratio (Mg)	OSJ:9A QSJ:9A	02EE0h	120.00%	○	---	---	---	---	---	---	---	---	---	---	---
		—	—	---	---	---	---	---	---	---	---	---	---	---	---
		0C350h	500.00%	---	---	---	---	---	---	---	---	---	---	---	---
Crop Zoom Ratio (YI/G/Mg)	OSJ:9B QSJ:9B	[Data1] 02EE0h	[Data1] Zoom Ratio (YI) 120.00%	○	---	---	---	---	---	---	---	---	---	---	---
		—	—	---	---	---	---	---	---	---	---	---	---	---	---
		0C350h	500.00%	---	---	---	---	---	---	---	---	---	---	---	---
		[Data2] 02EE0h	[Data2] Zoom Ratio (G) 120.00%	---	---	---	---	---	---	---	---	---	---	---	---
		—	—	---	---	---	---	---	---	---	---	---	---	---	---
		0C350h	500.00%	---	---	---	---	---	---	---	---	---	---	---	---
		[Data3] 02EE0h	[Data3] Zoom Ratio (Mg) 120.00%	---	---	---	---	---	---	---	---	---	---	---	---
		—	—	---	---	---	---	---	---	---	---	---	---	---	---
		0C350h	500.00%	---	---	---	---	---	---	---	---	---	---	---	---
Crop Zoom Ratio Speed Control	OSJ:9C QSJ:9C	01	Wide Max. Speed	○	---	---	---	---	---	---	---	---	---	---	---
		—	—	---	---	---	---	---	---	---	---	---	---	---	---
		49	Wide Min. Speed	---	---	---	---	---	---	---	---	---	---	---	---
		50	Stop	---	---	---	---	---	---	---	---	---	---	---	---
		51	Tele Min. Speed	---	---	---	---	---	---	---	---	---	---	---	---
		—	—	---	---	---	---	---	---	---	---	---	---	---	---
Crop Zoom Ratio Speed Control (YI)	OSJ:9D QSJ:9D	99	Tele Max. Speed	---	---	---	---	---	---	---	---	---	---	---	---
		01	Wide Max. Speed	○	---	---	---	---	---	---	---	---	---	---	---
		—	—	---	---	---	---	---	---	---	---	---	---	---	---
		49	Wide Min. Speed	---	---	---	---	---	---	---	---	---	---	---	---
		50	Stop	---	---	---	---	---	---	---	---	---	---	---	---
		51	Tele Min. Speed	---	---	---	---	---	---	---	---	---	---	---	---
Crop Zoom Ratio Speed Control (G)	OSJ:9E QSJ:9E	—	—	---	---	---	---	---	---	---	---	---	---	---	---
		99	Tele Max. Speed	---	---	---	---	---	---	---	---	---	---	---	---
		01	Wide Max. Speed	○	---	---	---	---	---	---	---	---	---	---	---
		—	—	---	---	---	---	---	---	---	---	---	---	---	---
		49	Wide Min. Speed	---	---	---	---	---	---	---	---	---	---	---	---
		50	Stop	---	---	---	---	---	---	---	---	---	---	---	---
Crop Zoom Ratio Speed Control (Mg)	OSJ:9F QSJ:9F	51	Tele Min. Speed	---	---	---	---	---	---	---	---	---	---	---	---
		—	—	---	---	---	---	---	---	---	---	---	---	---	---
		99	Tele Max. Speed	---	---	---	---	---	---	---	---	---	---	---	---
		01	Wide Max. Speed	○	---	---	---	---	---	---	---	---	---	---	---
		—	—	---	---	---	---	---	---	---	---	---	---	---	---
		49	Wide Min. Speed	---	---	---	---	---	---	---	---	---	---	---	---

ITEM	Command Control / Response / Confirmation	Data	Data Contents	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
			Control and Response to control												
Crop H/V Position Speed Control (Yl/G/Mg)	OSJ:A0	[Data1] 01 - 50 - 99	[Data1] (Yl) Left Max. Speed - Stop -	○	---	---	---	---	---	---	---	---	---	---	---
		[Data2] 01 - 50 - 99	[Data2] (Yl) Down Max. Speed - Stop -												
		[Data3] 01 - 50 - 99	[Data3] (G) Left Max. Speed - Stop -												
		[Data4] 01 - 50 - 99	[Data4] (G) Right Max. Speed Down Max. Speed - Stop -												
		[Data5] 01 - 50 - 99	[Data5] (Mg) Left Max. Speed - Stop -												
		[Data6] 01 - 50 - 99	[Data6] (Mg) Right Max. Speed Down Max. Speed - Stop -												
			UP Max. Speed												
Crop Zoom Ratio Speed Control (Yl/G/Mg)	OSJ:A1	[Data1] 01 - 49 50 51 - 99	[Data1] (Yl) Wide Max. Speed - Wide Min. Speed Stop Tele Min. Speed	○	---	---	---	---	---	---	---	---	---	---	---
		[Data2] 01 - 49 50 51 - 99	[Data2] (G) Wide Max. Speed - Wide Min. Speed Stop Tele Min. Speed												
		[Data3] 01 - 49 50 51 - 99	[Data3] (Mg) Wide Max. Speed - Wide Min. Speed Stop Tele Min. Speed												
			Tele Max. Speed												
P/T Acceleration	OSJ:A2 OSJ:A2	0 1	Manual Auto	○	---	---	---	---	---	---	---	---	---	---	---
P/T Rise S-Curve	OSJ:A3 OSJ:A3	00h - 1Eh	0 - 30	○	---	---	---	---	---	---	---	---	---	---	---
P/T Fall S-Curve	OSJ:A4 OSJ:A4	00h - 1Eh	0 - 30	○	---	---	---	---	---	---	---	---	---	---	---
P/T Rise Acceleration	OSJ:A5 OSJ:A5	01h - FFh	1 - 255	○	---	---	---	---	---	---	---	---	---	---	---
P/T Fall Acceleratoin	OSJ:A6 OSJ:A6	01h - FFh	1 - 255	○	---	---	---	---	---	---	---	---	---	---	---
Privacy Mode	OSJ:A7 OSJ:A7	0 1	Off On	○	---	---	---	---	---	---	---	---	---	---	---
Preset Acceleration	OSJ:A8 OSJ:A8	0 1	Manual Auto	○	---	---	---	---	---	---	---	---	---	---	---
Preset Rise S-Curve	OSJ:A9 OSJ:A9	00h - 1Eh	0 - 30	○	---	---	---	---	---	---	---	---	---	---	---
Preset Fall S-Curve	OSJ:AA OSJ:AA	00h - 1Eh	0 - 30	○	---	---	---	---	---	---	---	---	---	---	---
Preset Rise Acceleration	OSJ:AB OSJ:AB	01h - FFh	1 - 255	○	---	---	---	---	---	---	---	---	---	---	---

ITEM	Command Control / Response / Confirmation	Data	Data Contents	UE100	UE4	UE150	HR140	UB300	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
			Control and Response to control												
Preset Fall Acceleration	QSJ:AC	01h	1	○	---	---	---	---	---	---	---	---	---	---	---
	QSJ:AC	- FFh	- 255												
Preset Rise Ramp Time	QSJ:AD	01h	0.1s	○	---	---	---	---	---	---	---	---	---	---	---
	QSJ:AD	- 64h	- 10.0s												
Preset Fall Ramp Time	QSJ:AE	01h	0.1s	○	---	---	---	---	---	---	---	---	---	---	---
	QSJ:AE	- 64h	- 10.0s												
Crop H Position	QSJ:AF	000h	0	○	---	---	---	---	---	---	---	---	---	---	---
	QSJ:AF	- C00h	- 3072												
Crop V Position	QSJ:B0	000h	0	○	---	---	---	---	---	---	---	---	---	---	---
	QSJ:B0	- 6C0h	- 1728												
Crop Zoom Ratio	QSJ:B1	02EE0h	120.00%	○	---	---	---	---	---	---	---	---	---	---	---
	QSJ:B1	- 0C350h	- 500.00%												
SC Fine	QSN:[Data] QSN	000h	-511	---	---	---	---	---	---	---	---	---	---	○	○
		001h	-511												
		002h	-511												
		-	-												
		200h	0												
		- 3FFh	- +511												
Software Version (System Version)	QSV QSV:[Data]		Software Version	○	○	○	○	---	○	○	○	○	○	○	○
T Pedestal	QTD:[Data] QTD	00h	-10	---	---	---	○	---	○	○	○	○	○	○	○
		-	-												
		1Eh	0												
		-	-												
		3Ch	+10												
			HR140, HE130, HE120												
T Pedestal	QTP:[Data] QTP	00h	-150	---	---	---	○	---	○	○	○	○	○	○	○
		-	-												
		096h	0												
		-	-												
		12Ch	+150												
			UE70series, HE75series, HE70series , HE60, HE50												
T Pedestal	QTP:[Data] QTP	000h	-10	---	---	---	○	---	○	○	○	○	○	○	○
		-	-												
		096h	0												
		- 12Ch	- 10												
AWC/AWB SET	OWS	---	AWC/AWB Start	○	○	○	○	○	○	○	○	○	○	○	○
R-Tally Control	TLR:[Data] QLR	0	Off	○	---	○	---	○	---	---	---	---	---	---	---
	QLR:[Data]	1	On												
G-Tally Control	TLG:[Data] QLG	0	Off	○	---	○	---	○	---	---	---	---	---	---	---
	QLG:[Data]	1	On												
Scene File	XSF:[Data] QSF	※	※	※	※	※	※	※	※	※	※	※	※	※	※
	QSF:[Data]														

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ITEM	Command	Data	Data Contents											
	Control Confirmation Response			UE100	UE4	UE150	HR140	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
P/T Absolute Position Control	#APC[Data1][Data2] #APC aPC[Data1][Data2]	[Data1] 0000h - 8000h - FFFFh	[Data1]Pan Position CCW Limit - Center - CW Limit	supports only Pan 2D09(CCW Limit) -D2F5(CW Limit) Tilt 1C71(UP Limit) -8E38(DOWN Limit)	supports only Pan 8000(Center) Tilt 8000(Center)	supports only Pan 2D09(CCW Limit) -D2F5(CW Limit) Tilt 1C71(UP Limit) -8E38(DOWN Limit)	supports only Pan 2D09(CCW Limit) -D2F5(CW Limit) Tilt 1C71(UP Limit) -8E38(DOWN Limit)	supports only Pan 2D09(CCW Limit) -D2F5(CW Limit) Tilt 5555(UP Limit) -8E38(DOWN Limit)	supports only Pan 2D09(CCW Limit) -D2F5(CW Limit) Tilt 5555(UP Limit) -8E38(DOWN Limit)	supports only Pan 2D09(CCW Limit) -D2F5(CW Limit) Tilt 5555(UP Limit) -8E38(DOWN Limit)	supports only Pan 2D09(CCW Limit) -D2F5(CW Limit) Tilt 1C71(UP Limit) -8E38(DOWN Limit)	supports only Pan 2D09(CCW Limit) -D2F5(CW Limit) Tilt 1C71(UP Limit) -8E38(DOWN Limit)	supports only Pan 2D09(CCW Limit) -D2F5(CW Limit) Tilt 5555(UP Limit) -8E38(DOWN Limit)	supports only Pan 2D09(CCW Limit) -D2F5(CW Limit) Tilt 5555(UP Limit) -8E38(DOWN Limit)
		[Data2] 0000h - 8000h - FFFFh	[Data2]Tilt Position UP Limit - Center - DOWN Limit											
P/T Absolute Position Control with Speed	#APS[Data1][Data2][Data3] [Data4] aPS[Data1][Data2][Data3] [Data4]	[Data1] 0000h - 8000h - FFFFh	[Data1]Pan Position CCW Limit - Center - CW Limit	○	---	○	○	○	○	○	○	---	---	---
		[Data2] 0000h - 8000h - FFFFh	[Data2]Tilt Position UP Limit - Center - DOWN Limit											
		[Data3] 00h - 1Dh	[Data3]Preset Speed 1 - 30											
		[Data4] 0 1 2	[Data4]Preset Speed Table Slow Mid Fast											
Focus Position Control	#AXF[Data] - #AXF axf[Data]	555h - FFFh	Near - Far	○	supports only 555	○	○	○	○	○	○	○	○	○
Iris Control	#AXI[Data] - axi[Data]	555h - FFFh	Iris Close - Iris Open	○	supports only 555	○	○	○	○	○	○	○	○	○
Zoom Position Control	#AXZ[Data] - #AXZ axz[Data]	555h - FFFh	Wide - Tele	○	supports only 555	○	○	○	○	○	○	○	○	○
Delete Preset Memory	#C[Data] - s[Data]	00 - 99	Preset001 - Preset100	○	○	○	○	○	○	○	○	○	○	○
Focus Mode	#D1[Data] - #D1 d1[Data]	0 1	Manual Auto	○	---	○	○	○	○	○	○	○	○	○
Iris Mode	#D3[Data] - #D3 d3[Data]	0 1	Manual Auto	○	---	○	○	○	○	○	○	○	○	○
Day/Night	#D6[Data] - #D6 d6[Data]	0 1	Day Night	○	---	○	○	○	○	○	○	---	○	○
Defroster Control	#D7[Data] - #D7 d7[Data]	0 1	Off On	---	---	---	0 : Auto 1 : On	---	---	---	---	---	---	---
Wiper Control	#D8[Data] - #D8 d8[Data]	0 1	Off On	---	---	---	0 : Off 1 : Fast	---	---	---	---	---	---	---
Heater/Fan Control	#D9[Data] - #D9 d9[Data]	0 1	Off On	---	---	---	(Heater) 0 : Auto 1 : On	---	---	---	---	---	---	---
R-Tally Control	#DA[Data] - #DA dA[Data]	0 1	Off On	○	○	○	○	○	○	○	○	○	○	○
Defroster Status	#DS - #DS dS[Data]	0 1	Off On	---	---	---	○	---	---	---	---	---	---	---

ITEM	Command	Data	Data Contents											
	Control Confirmation Response			UE100	UE4	UE150	HR140	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
Focus Speed Control	#F[Data] fS[Data]	01	Near Max. Speed	○	----	○	○	○	○	○	○	○	○	○
		—	—											
		49	Near Min. Speed											
		50	Stop											
		51	Far Min. Speed											
Fan	#FAN[Data] fAN[Data]	—	—											
		99	Far Max. Speed											
		0	Auto	○	----	○	Supports only	----	----	----	----	----	----	----
		1	High				0(Auto)							
		2	Mid				1(On)							
Fan2	#FA2[Data] fA2[Data]	3	Low											
		0	Auto	---	---	○	---	---	---	---	---	---	---	---
		1	High											
		2	Mid											
		3	Low											
Flip Detect Angle	#FDA[Data] fDA[Data]	3Ch	60deg	○	---	○	○	---	---	---	○	○	---	---
		—	—											
		78h	120deg											
		0	Off	○	---	○	Supports only	---	---	---	---	---	---	---
		1	On				0(Off), 1(On)							
Fan Status1	#FS1[Data] fS1[Data]	2	Error											
		0	Off	---	---	○	Supports only	---	---	---	---	---	---	---
		1	On				0(Off), 1(On)							
		2	Error											
		555h	Near	○	---	○	○	○	○	○	○	○	○	○
Request Focus Position	#GF[Data] gf[Data]	—	Far											
		FFFh	—											
		“---”	@Power Off											
		[Data1]	[Data1]	○	---	○	○	○	○	○	○	○	○	○
		555h	Close											
Request Iris Position	#GI[Data1][Data2] gi[Data1][Data2]	—	Open											
		FFFh	—											
		“---”	@Power Off											
		[Data2]	[Data2]											
		0	Manual Iris											
Request Zoom Position	#GZ[Data] gz[Data]	1	Auto Iris											
		555h	Wide	○	---	○	○	○	○	○	○	○	○	○
		—	—											
		FFFh	Tele											
		“---”	@Power Off											
Heater Status	#HS[Data] hS[Data]	0	Off	---	---	---	○	---	---	---	---	---	---	---
		1	On											
		01	Iris Close	○	---	○	○	○	○	○	○	○	○	○
		—	—											
		99	Iris Open											
Iris Control	#I[Data] iC[Data]													
		0	Desktop	○	○	○	○	○	○	○	○	○	○	○
		1	Hanging											
		#INS[Data] iNS[Data]												
Limitation Control (toggle)	#L[Data] l[Data]	<u>Controller -></u>		○	---	○	○	○	○	○	○	○	○	○
		P/T												
		1	Tilt Up											
		2	Tilt Down											
		3	Pan Left											
Limitation Control	#LC[Data1][Data2] lC[Data1][Data2]	4	Pan Right											
		<u>P/T -></u>												
		<u>Controller</u>												
		0	Release											
			Set											
Limitation Control	#LC[Data1][Data2] lC[Data1][Data2]	[Data1]	[Data1]	○	---	○	○	○	○	○	○	○	○	○
		1	Tilt Up											
		2	Tilt Down											
		3	Pan Left											
		4	Pan Right											
Limitation Control	#LC[Data1][Data2] lC[Data1][Data2]	[Data2]	[Data2]											
		0	Release											
		1	Set											

ITEM	Command	Data	Data Contents											
	Control Confirmation Response			UE100	UE4	UE150	HR140	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
Status Lamp	#LMP[Data] #LMP #LMP[Data]	0 1	Disable Enable	○	---	○	---	---	---	---	○	---	---	---
Lens Position Information Control	#LPC[Data] #LPC #IPC[Data]	0 1	Off On	○	○	○	○	○	○	○	○	○	○	○
Lens Position Information	#LPI #PI[Data1][Data2][Data3]	[Data1] 555h - FFFh [Data2] 555h - FFFh [Data3] 555h - FFFh	[Data1]Zoom Position Wide - Tele [Data2]Focus Position Near - Far [Data3]Iris Position Close - Open	○	---	○	○	○	○	○	○	○	○	○
Save Preset Memory	#M[Data] s[Data]	00 - 99	Preset001 - Preset100	○	○	○	○	○	○	○	○	○	○	○
Power On / Standby	#Op[Data]	0 1 3	Power Off Power On Starting(※)	○	○	○	○	○	○	○	○	○	○	○
Pan Speed Control	#P[Data] pS[Data]	01 - 50 - 99	Left Max. Speed - Stop - Right Max. Speed	○	○	○	○	○	○	○	○	○	○	○
Preset Entry Confirmation	#PE[Data1] pE[Data1]	[Data1] 00h 01h 02h [Data2] 000000000h - FFFFFFFFFh (bit0) 0 1 (bit1) 0 1 - (39bit) 0 1	[Data1] Preset 001~040 Preset 041~080 Preset 081~100 [Data2] Preset No.(Data1*40 + 1) No Entry Entry Preset No.(Data1*40 + 2) No Entry Entry - Preset No.(Data1*40 + 40) No Entry Entry	○	○	○	○	○	○	○	○	○	○	○
Freeze During Preset	#PRF[Data] #PRF pRF[Data]	0 1	Off On	○	---	○	○	○	○	○	○	---	---	---
Preset Speed Table	#PST[Data] #PST pST[Data]	0 1 2	Slow Mid Fast	supports only 0(Slow) 2(Fast)	---	supports only 0(Slow) 2(Fast)	supports only 0(Slow) 2(Fast)	supports only 0(Slow) 2(Fast)	supports only 0(Slow) 2(Fast)	supports only 0(Slow) 2(Fast)	supports only 0(Slow) 2(Fast)	---	---	---

ITEM	Command	Data	Data Contents											
	Control Confirmation Response			UE100	UE4	UE150	HR140	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
Get Pan/Tilt/Zoom/Focus/Iris	#PTD pTD[Data1] [Data2] [Data3] [Data4] [Data5]	[Data1] 0000h - FFFFh [Data2] 0000h - FFFFh [Data3] 000h - 3E7h [Data4] 00h - 63h [Data5] 00h - FEh FFh	[Data1] (Pan) 0000h - FFFFh [Data2] (Tilt) 0000h - FFFFh [Data3] (Zoom) 0 - 999 [Data4] (Focus) 0 - 99 [Data5] (Iris) F0.0 - F25.4 CLOSE	○	---	○	---	---	---	---	---	---	---	---
Get Gain/ColorTemp/Shutter/ND	#PTG pTG[Data1] [Data2] [Data3] [Data4] [Data5] [Data6]	[Data1] 08h - 11h - 1Ah - 32h 80h [Data2] 00000h - 3A98h [Data3] 0h 1h 2h 3h [Data4] 0001h - 2710 h [Data5] 00000h - 186A0h [Data6] 0 1 2 3	[Data1] (Gain) 0dB - 9dB - 18dB - 42dB AGC On [Data2] 0K - 15000K [Data3] (Shutter Mode) Off Step Syncro ELC [Data4] (Shutter Step) 1/1 - 1/10000 [Data5] (Shutter Synchro) 0.0 [Hz] - 10000.0[Hz] [Data6] (ND) Throgh 1/4 ND 1/16 ND 1/64 ND	○	---	○	---	---	---	---	---	---	---	---
P/T Speed Control	#PTS[Data1][Data2] pTS[Data1][Data2]	[Data1] 01 - 50 - 99 [Data2] 01 - 50 - 99	[Data1] Left Max. Speed - Stop - Right Max. Speed [Data2] Down Max. Speed - Stop - UP Max. Speed	○	○	○	○	○	○	○	○	○	○	○

ITEM	Command	Data	Data Contents											
	Control Confirmation Response			UE100	UE4	UE150	HR140	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
Get Pan/Tilt/Zoom/Focus/Iris	#PTV pTV[Data1] [Data2] [Data3] [Data4] [Data5]	[Data1] 0000h - 8000h - FFFFh [Data2] 0000h - 8000h - FFFFh [Data3] 555h - FFFh [Data4] 555h - FFFh [Data5] 555h - FFFh	[Data1] (Pan) ccwLimit - Center - cwLimit [Data2] (Tilt) UpLimit - Center - DownLimit [Data3] (Zoom) Wide - Tele [Data4] (Focus) Near - Far [Data5] (Iris) Close - Open	○	---	○	---	---	---	---	---	---	---	---
Preset completion notification	q[Data]	00 - 99	Preset001 - Preset100	○	○	○	○	○	○	○	○	○	○	○
Software Version	#QSV[Data1] qSV[Data1]V[Data2].[Data3] [Data4][Data5][data6]	※	※	※	---	※	※	※	※	※	※	※	※	※
Recall Preset Memory	#R[Data] s[Data]	00 - 99	Preset001 - Preset100	○	○	○	○	○	○	○	○	○	○	○
Latest Error Information	#RER rER[Data]	※	※	※	---	※	※	※	※	※	※	※	※	※
IR Remote Controller ID	#RID[Data] #RID rID[Data]	0 1 2 3	01 02 03 04	---	○	---	---	○	○	○	---	---	---	---
P/T Relative Position Control	#RPC[Data1][Data2] rPC[Data1][Data2]	[Data1] 0000h - 8000h - FFFFh [Data2] 0000h - 8000h - FFFFh	[Data1]Pan Position CCW Limit - Center - CW Limit [Data2]Tilt Position UP Limit - Center - DOWN Limit	○	---	○	○	○	○	○	○	---	---	---

ITEM	Command	Data	Data Contents											
	Control Confirmation Response			UE100	UE4	UE150	HR140	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
P/T Relative Position Control with Speed	#RPS[Data1][Data2][Data3][Data4] rPS[Data1][Data2][Data3][Data4]	[Data1] 0000h — 8000h — FFFFh	[Data1]Pan Position CCW Limit — Center — CW Limit	○	----	○	○	○	○	○	○	----	----	----
		[Data2] 0000h — 8000h — FFFFh	[Data2]Tilt Position UP Limit — Center — DOWN Limit											
		[Data3] 00h — 1Dh	[Data3]Preset Speed 1 — 30											
		[Data4] 0 1 2	[Data4]Preset Speed Table Slow Mid Fast											
Resolution Control	#RZL[Data] #RZL rZL[Data]	0 1 2 3	640x360 320x180 1280x720 1920x1080	○	----	○	----	supports only 0(640x360) 1(320x180)	supports only 0(640x360) 1(320x180)	supports only 0(640x360) 1(320x180)	----	----	----	----
Request Latest Recall Preset No.	#S s[Data]	00 — 99	Preset 1 — Preset 100	○	○	○	○	○	○	○	○	○	○	○
Smart Picture Flip	#SPF[Data] #SPF sPF[Data]	0 1	Off Auto	○	----	○	○	----	----	----	○	○	----	----
Speed With Zoom Position	#SWZ[Data] #SWZ sWZ[Data]	0 1	Off On	○	----	○	○	○	○	○	○	○	○	○
Tilt Speed Control	#T[Data] tS[Data]	01 — 50 — 99	Down Max. Speed — Stop — UP Max. Speed	○	○	○	○	○	○	○	○	○	○	○
Tally Information	#TAA tAA[Data1][Data2][Data3][Data4][Data5][Data6][Data7][Data8][Data9]	[Data1] 0 1 [Data2] 0 1 [Data3] 0 1 [Data4] 0 1 [Data4] 0 1 [Data5] 0 1 [Data6] 0 1 [Data7] 0 1 [Data8] 0 1 [Data9] 0 1	[Data1] Red Tally Off Red Tally On [Data2] Wired Red Tally In Off Wired Red Tally In On [Data3] Command Red Tally In Off Command Red Tally In On [Data4] Green Tally Off Tally Green On [Data5] Wired Green Tally In Off Wired Green Tally In On [Data6] Command Green Tally In Off Command Green Tally In On [Data7] (Reserved) Tally Off (Reserved) Tally On [Data8] Wired (Reserved) Tally In Off Wired (Reserved) Tally In On [Data9] Command (Reserved) Tally In Off Command (Reserved) Tally In On	[Data4],[Data5],[Data6],[Data8]:unused	----	[Data4],[Data5],[Data6],[Data8]:unused	----	----	----	----	----	----	----	----

ITEM	Command	Data	Data Contents											
	Control Confirmation Response			UE100	UE4	UE150	HR140	UE70series	HE75series	HE70series	HE130	HE120	HE60	HE50
Tally Enable	#TAE[Data] #TAE tAE[Data]	0 1	Disable Enable	○	○	○	---	○	○	○	○	○	○	○
Preset Speed	#UPVS[Data] #UPVS uPVS[Data]	[Preset Speed Unit : 0 (SpeedTable)]	[Preset Speed Unit : 0 (SpeedTable)]	○	---	○	○	○	○	○	○	○	○	○
		275h	1											
		300h	2											
		325h	3											
		350h	4											
		375h	5											
		400h	6											
		425h	7											
		450h	8											
		475h	9											
		500h	10											
		525h	11											
		550h	12											
		575h	13											
		600h	14											
		625h	15											
		650h	16											
		675h	17											
		700h	18											
		725h	19											
		750h	20											
		775h	21											
		800h	22											
		825h	23											
		850h	24											
		875h	25											
		900h	26											
		925h	27											
		950h	28											
		975h	29											
		999h	30											
		[Preset Speed Unit : 1 (Time)]	[Preset Speed Unit : 1 (Time)]											
		001h	01											
		-	-											
		063h	99											
Washer	#WAS[Data] #WAS wAS[Data]	0 1	Off On	---	---	---	○	---	---	---	---	---	---	---
Wiper	#WIP[Data] #WIP wIP[Data]	0 1 2	Off Fast Slow	---	---	---	○	---	---	---	---	---	---	---
Wireless Control	#WLC[Data1] #WLC wLC[Data1]	0 1	Disable Enable	○	○	○	---	○	○	○	○	○	○	○
Washer P/T Position Reset	#WPR wPR	---	---	---	---	---	○	---	---	---	---	---	---	---
Washer P/T Position	#WPT wPT	---	---	---	---	---	○	---	---	---	---	---	---	---
Zoom Speed Control	#Z[Data] zS[Data]	01	Wide Max. Speed	○	○	○	○	○	○	○	○	○	○	○
		-	-											
		49	Wide Min. Speed											
		50	Stop											
		51	Tele Min. Speed											
		-	-											
		99	Tele Max. Speed											

※詳細

▼OSH

機種とSystem Formatによってパラメータが異なる場合があります

HR140, HE130		UE70series, HE75series, HE70series, HE60, HE50	HE120
(59.94p/59.94i)	F(1/30)	0(OFF),	0(OFF),
0(OFF)	(23.98p)	3(1/100 NTSC)	3(1/100 NTSC)
3(1/100)	0(OFF)	(1/120 PAL),	(1/120 PAL),
4(1/120)	2(1/60)	5(1/250)	5(1/250)
5(1/250)	4(1/120)	—	—
—	5(1/250)	B(Synchro-Scan)	C(ELC)
C(ELC)	—		
	D(1/24)		
(29.97p)	(50p/50i)		
0(OFF)	0(OFF)		
2(1/60)	2(1/60)		
4(1/120)	3(1/120)		
5(1/250)	5(1/250)		
—	—		
C(ELC)	C(ELC)		
	(25p)		
	0(OFF)		
	2(1/60)		
	3(1/120)		
	5(1/250)		
	—		
	C(ELC)		
	E(1/25)		

▼OSA:87

機種によってパラメータが異なる場合があります

UE100, UE150	UE4	HR140	UB300	UE70series	HE75series
[59.94Hz] 01h (720/59.94p) 04h (1080/59.94i) 07h (1080/29.97psF) 10h (1080/59.94p) 14h (1080/29.97p) 16h (1080/23.98p (over 59.94i/p)) 17h (2160/29.97p) 19h (2160/59.94p)	[59.94Hz] 1h (720/59.94p) 10h (1080/59.94p) 14h (1080/29.97p) 17h (2160/29.97p)	[59.94Hz] 1h (720/59.94p) 4h (1080/59.94i) 7h (1080/29.97psF) Ah (1080/23.98psF) 10h (1080/59.95p) 14h (1080/29.97p) 16h (1080/23.98p)	[59.94Hz] 00h (720/60p) 01h (720/59.94p) 04h (1080/59.94i) 07h (1080/29.97psF) 0Ah (1080/23.98psF) 10h (1080/59.94p) 16h (1080/23.98p) 17h (2160/29.97p) 19h (2160/59.94p) 1Bh (2160/23.98p) 1Ch (2160/29.97psF) 1Eh (2160/23.98psF) 1Fh (2160/60p) 20h (1080/60p) 44h (1080/59.94i CROP) 50h (1080/59.94p CROP)	[59.94Hz] 1h (720/59.94p) 4h (1080/59.94i) 7h (1080/29.97psF) 10h (1080/59.94p) 14h (1080/29.97p) 17h (2160/29.97p) 80h (Auto)	[59.94Hz] 1h (720/59.94p) 4h (1080/59.94i) 7h (1080/29.97psF) 10h (1080/59.94p) 14h (1080/29.97p) 80h (Auto)
[50Hz] 02h (720/50p) 05h (1080/50i) 08h (1080/25psF) 11h (1080/50p) 15h (1080/25p) 18h (2160/25p) 1Ah (2160/50p)	[50Hz] 2h (720/50p) 11h (1808/50p) 15h (1080/25p) 18h (2160/25p)	[50Hz] 2h (720/50p) 5h (1080/50i) 8h (1080/25psF) 11h (1080/50p) 15h (1080/25p)	[50Hz] 19h (2160/59.94p) 1Bh (2160/23.98p) 1Ch (2160/29.97psF) 1Eh (2160/23.98psF) 1Fh (2160/60p) 20h (1080/60p) 44h (1080/59.94i CROP) 50h (1080/59.94p CROP)	[50Hz] 2h (720/50p) 5h (1080/50i) 8h (1080/25psF) 11h (1080/50p) 15h (1080/25p) 80h (Auto)	[50Hz] 2h (720/50p) 5h (1080/50i) 8h (1080/25psF) 11h (1080/50p) 15h (1080/25p) 80h (Auto)
[60Hz] 0h (720/60p) 20h (1080/60p) 24h (2160/30p) 25h (1080/30p)	[60Hz] 0h (720/60p) 20h (1080/60p) 24h (2160/30p) 25h (1080/30p)				
[24Hz] 21h (2160/24p) 22h (1080/24p)					
[23.98Hz] 0Ah (1080/23.98psF) 1Bh (2160/23.98p) 23h (1080/23.98p)					

▼OSA:87(続き)

機種によってパラメータが異なる場合があります

HE70Series	HE130	HE120	HE60	HE50
<p>=== HDMI Model ===</p> <p>[59.94Hz]</p> <p>1h(720/59.94p)</p> <p>4h(1080/59.94i)</p> <p>7h(1080/29.97psF)</p> <p>10h(1080/59.95p)</p> <p>14h(1080/29.97p)</p> <p>80h(Auto)</p> <p>[50Hz]</p> <p>2h(720/50p)</p> <p>5h(1080/50i)</p> <p>8h(1080/25psF)</p> <p>11h(1080/50p)</p> <p>15h(1080/25p)</p> <p>80h(Auto)</p> <p>=== SDI Model ===</p> <p>[59.94Hz]</p> <p>1h(720/59.94p)</p> <p>4h(1080/59.94i)</p> <p>7h(1080/29.97psF)</p> <p>14h(1080/29.97p)</p> <p>[50Hz]</p> <p>2h(720/50p)</p> <p>5h(1080/50i)</p> <p>8h(1080/25psF)</p> <p>15h(1080/25p)</p>	<p>[59.94Hz]</p> <p>1h(720/59.94p)</p> <p>4h(1080/59.94i)</p> <p>7h(1080/29.97psF)</p> <p>10h(1080/23.98psF)</p> <p>10h(1080/59.95p)</p> <p>12h(480/59.94p)</p> <p>14h(1080/29.97p)</p> <p>16h(1080/23.98p)</p> <p>[50Hz]</p> <p>2h(720/50p)</p> <p>5h(1080/50i)</p> <p>8h(1080/25psF)</p> <p>11h(1080/50p)</p> <p>13h(576/50p)</p> <p>15h(1080/25p)</p>	<p>[59.94Hz]</p> <p>1h(720/59.94p)</p> <p>4h(1080/59.94i)</p> <p>8h(480/59.94i)</p> <p>10h(1080/59.94p)</p> <p>12h(480/59.94p)</p> <p>[50Hz]</p> <p>2h(720/50p)</p> <p>5h(1080/50i)</p> <p>Dh(576/50i)</p> <p>11h(1808/50p)</p> <p>13h(576/50p)</p>	<p>[H Model/59.94Hz]</p> <p>1h(720/59.94p)</p> <p>4h(1080/59.94i)</p> <p>8h(480/59.94i)</p> <p>10h(1080/59.94p)</p> <p>12h(480/59.94p)</p> <p>[H Model/50Hz]</p> <p>2h(720/50p)</p> <p>5h(1080/50i)</p> <p>Dh(576/50i)</p> <p>11h(1808/50p)</p> <p>8h(1080/25psf)</p> <p>13h(576/50p)</p> <p>[S Model/59.94Hz]</p> <p>1h(720/59.94p)</p> <p>4h(1080/59.94i)</p> <p>8h(480/59.94i)</p> <p>[S Model/50Hz]</p> <p>2h(720/50p)</p> <p>5h(1080/50i)</p> <p>Dh(576/50i)</p>	<p>[N Model]</p> <p>1h(720/59.94p)</p> <p>4h(1080/59.94i)</p> <p>8h(480/59.94i)</p> <p>[E, MC Model]</p> <p>2h(720/50p)</p> <p>5h(1080/50i)</p> <p>Dh(576/50i)</p> <p>[H Model/59.94Hz]</p> <p>1h(720/59.94p)</p> <p>4h(1080/59.94i)</p> <p>8h(480/59.94i)</p> <p>10h(1080/59.94p)</p> <p>7h(1080/29.97psF)</p> <p>[H Model/50Hz]</p> <p>2h(720/50p)</p> <p>5h(1080/50i)</p> <p>Dh(576/50i)</p> <p>11h(1808/50p)</p> <p>8h(1080/25psf)</p> <p>[S Model/59.94Hz]</p> <p>1h(720/59.94p)</p> <p>4h(1080/59.94i)</p> <p>8h(480/59.94i)</p> <p>7h(1080/29.97psF)</p> <p>[S Model/50Hz]</p> <p>2h(720/50p)</p> <p>5h(1080/50i)</p> <p>Dh(576/50i)</p> <p>8h(1080/25psf)</p>

▼OSD:B1

機種によってパラメータが異なる場合があります

HR140, HE130		UE70series, HE75series, HE70series	
[Data]	Data Contents	[Data]	Data Contents
000h - 078h	2000K,2010K,2020K,2040K,2050K,2070K,2080K,2090K,2110K,2120K,2140K,2150K,2170K, 2180K,2200K,2210K,2230K,2240K,2260K,2280K,2300K,2310K,2330K,2340K,2360K,2380K, 2400K,2420K,2440K,2460K,2480K,2500K,2520K,2540K,2560K,2600K,2620K,2640K,2680K, 2700K,2720K,2740K,2780K,2800K,2820K,2850K,2870K,2920K,2950K,2970K,3000K,3020K, 3070K,3100K,3120K,3150K,3200K,3250K,3270K,3330K,3360K,3420K,3450K,3510K,3570K, 3600K,3660K,3720K,3780K,3840K,3870K,3930K,3990K,4050K,4110K,4170K,4240K,4320K, 4360K,4440K,4520K,4600K,4680K,4760K,4840K,4920K,5000K,5100K,5200K,5300K,5400K, 5500K,5600K,5750K,5850K,6000K,6150K,6300K,6450K,6650K,6800K,7000K,7150K,7400K, 7600K,7800K,8100K,8300K,8600K,8900K,9200K,9600K,10000K,10500K,11000K,11500K, 12000K,12500K,13000K,14000K,15000K	000h 001h - 04A 04B	2400K 2500K - 9800K 9900K (100K step)

▼OSG:5D

System Frequencyによってパラメータが異なります

UB300			
59.94p/59.94i	50p/50i	29.97p/23.98p	25p
04h(1/100)	02h(1/60)	00h(1/48)	00h(1/48)
05h(1/120)	04h(1/100)	01h(1/50)	01h(1/50)
06h(1/125)	06h(1/125)	02h(1/60)	02h(1/60)
07h(1/250)	07h(1/250)	03h(1/96)	03h(1/96)
08h(1/500)	08h(1/500)	04h(1/100)	04h(1/100)
09h(1/1000)	09h(1/1000)	05h(1/120)	06h(1/125)
0Ah(1/1500)	0Ah(1/1500)	06h(1/125)	07h(1/250)
0Bh(1/2000)	0Bh(1/2000)	07h(1/250)	08h(1/500)
0Ch(1/180.0deg)	0Ch(1/180.0deg)	08h(1/500)	09h(1/1000)
0Dh(1/172.8deg)	0Dh(1/172.8deg)	09h(1/1000)	0Ah(1/1500)
0Eh(1/144.0deg)	0Eh(1/144.0deg)	0Ah(1/1500)	0Bh(1/2000)
0Fh(1/120.0deg)	0Fh(1/120.0deg)	0Bh(1/2000)	0Ch(1/180.0deg)
10h(1/90.0deg)	10h(1/90.0deg)	0Ch(1/180.0deg)	0Dh(1/172.8deg)
11h(1/45.0deg)	11h(1/45.0deg)	0Dh(1/172.8deg)	0Eh(1/144.0deg)
		0Eh(1/144.0deg)	0Fh(1/120.0deg)
		0Fh(1/120.0deg)	10h(1/90.0deg)
		10h(1/90.0deg)	11h(1/45.0deg)
		11h(1/45.0deg)	

▼OAW

制御コマンドと問合せ応答でパラメータの意味が異なります

Control		Confirmation	
0	ATW	0	ATW
1	AWC A	1	---
2	AWC B	2	AWC A
3	ATW	3	AWC B
4	Preset 3200K	4	Preset 3200K
5	Preset 5600K	5	Preset 5600K
6	Preset 4500K	6	Preset 4500K
7	Preset 6000K	7	Preset 6000K
8	Preset 2800K	8	Preset 2800K
9	Var	9	Var

機種によってパラメータが異なる場合があります

		UE100, UE150, HR140, UE70series, HE75series, HE70series, HE130, HE120	UE4	HE60/HE50
Control	0	ATW	ATW	ATW
	1	AWC A	AWC A	AWC A
	2	AWC B	AWC B	AWC B
	3	ATW	ATW	ATW
	4	Preset 3200K	Preset 3200K	---
	5	Preset 5600K	Preset 5600K	---
	6	---	---	---
	7	---	---	---
	8	---	---	---
	9	Var	---	---
Confirmation	0	ATW	ATW	ATW
	1	---	---	---
	2	AWC A	AWC A	AWC A
	3	AWC B	AWC B	AWC B
	4	Preset 3200K	Preset 3200K	---
	5	Preset 5600K	Preset 5600K	---
	6	---	---	---
	7	---	---	---
	8	---	---	---
	9	Var	---	---

▼OSC

制御コマンドと問合せ応答でパラメータの意味が異なります

Control		Confirmation	
1	2(90deg)	1	----
2	3(180deg)	2	1(0deg)
3	4(270deg)	3	2(90deg)
4	1(0deg)	4	3(180deg)
5	----	5	4(270deg)

▼#QSV

機種によってパラメータが異なる場合があります

UE100	UE150	HR140	UE70, HE70series	HE130	HE120	HE60	HE50
[Data1] Servo CPU Camera CPU ZYNQ Network Main/Network CPU ZYNQ Logic ZYNQ R5T Lens CPU ZYNQ R5R ZYNQ Enc BE EEPROM [Data2] Major Version [Data3] Minor Version [Data4] (Debug Build) (Release Build) [Data5] (REVISION) [data6] NTSC PAL	[Data1] Servo CPU Camera CPU COM FPGA Main/Network CPU AVIO FPGA Interface CPU Lens CPU Interface EEPROM reserved BE EEPROM [Data2] Major Version [Data3] Minor Version [Data4] (Debug Build) (Release Build) [Data5] (REVISION) [data6] NTSC PAL	[Data1] Servo CPU CameraMain CPU COM FPGA Network CPU AVIO FPGA Interface CPU Lens FPGA Interface EEPROM reserved reserved reserved [Data2] Major Version [Data3] Minor Version [Data4] (Debug Build) (Release Build) [Data5] (REVISION) [data6] NTSC PAL	[Data1] Servo CPU Cam CPU FPGA BE CPU reserved Interface CPU reserved Interface EEPROM reserved reserved reserved [Data2] 00 [Data3] Version [Data4] L [Data5] 00 [data6] NTSC PAL	[Data1] Servo CPU CameraMain CPU COM FPGA Network CPU AVIO FPGA Interface CPU Lens FPGA Interface EEPROM reserved reserved reserved [Data2] Major Version [Data3] Minor Version [Data4] (Debug Build) (Release Build) [Data5] (Revision) [data6] NTSC PAL	[Data1] Servo CPU CameraMain CPU Frontend FPGA Network CPU Backend FPGA Interface CPU Lens FPGA Interface EEPROM Camera EEPROM Lens EEPROM [Data2] Major Version [Data3] Minor Version [Data4] (Debug Build) (Release Build) [Data5] (Revision) [data6] NTSC PAL	[Data1] Pan Tilt CPU Camera CPU Camera FPGA Network CPU OUT FPGA reserved reserved reserved Camera EEPROM reserved [Data2] Major Version [Data3] Minor Version [Data4] (Debug Build) (Release Build) [Data5] (Revision) [data6] NTSC PAL Other	[Data1] Pan Tilt CPU Camera CPU Camera FPGA Network CPU Out FPGA reserved reserved reserved reserved reserved reserved [Data2] Major Version [Data3] Minor Version [Data4] (Debug Build) (Release Build) [Data5] (Revision) [data6] NTSC PAL Other

▼#RER

機種によってエラーの内容が異なります

UE100	UE150	HR140	UE70series, HE75 Series, HE70 Series
03h Motor Driver Error	00h Normal	00h: Normal	00h Normal(No Error)
21h System Error	03h Motor Driver Error	03h: Motor Driver Error	03h Motor Driver Error
22h Spec Limit Over	04h Pan Sensor Error	04h: Pan Sensor Error	04h Pan Sensor Error
24h NET Life-monitoring Error	05h Tilt Sensor Error	05h: Tilt Sensor Error	05h Tilt Sensor Error
29h CAM Life-monitoring Error	06h Controller RX Over run Error	06h: Controller RX Over run Error	06h IF/FPGA UART Over run Error
31h Fan1 error	07h Controller RX Framing Error	07h: Controller RX Framing Error	07h IF/FPGA UART Framing Error
33h High Temp	08h Network RX Over run Error	08h: Network RX Over run Error	08h IF/NET UART Over run Error
36h Low Temp	09h Network RX Framing Error	09h: Network RX Framing Error	09h IF/NET UART Framing Error
40h Temp Sensor Error	17h Controller RX Command Buffer Overflow	17h: Controller RX Command Buffer Overflow	17h IF/FPGA UART Buffer Overflow
41h Lens Initialize Error	19h Network RX Command Buffer Overflow	19h: Network RX Command Buffer Overflow	19h IF/NET UART Buffer Overflow
42h PT. Initialize Error	21h System Error	21h: System Error	21h System Error(IF/SERVO Error)
43h PoE++ Software auth. Timeout	22h Spec Limit Over	22h: Spec Limit Over	22h PT Limit Over
50h MR Level Error	23h FPGA Config Error	23h: FPGA Config Error	24h NET Life-monitoring Error
52h MR Offset Error	24h NET Life-monitoring Error	24h: NET Life-monitoring Error	25h BE Life-monitoring Error
57h Gyro Error	25h BE Life-monitoring Error	25h: CAMERA communication Error	26h IF/BE UART Buffer Overflow
58h PT. Initialize Error	26h IF/BE UART Buffer Overflow	26h: CAMERA RX Over run Error	27h IF/BE UART Framing Error
	27h IF/BE UART Framing Error	27h: CAMERA RX Framing Error	28h IF/BE UART Buffer Overflow
	28h IF/BE UART Buffer Overflow	28h: CAMERA RX Command Buffer Overflow	29h CAM Life-monitoring Error
	29h CAM Life-monitoring Error	31h: Fan1 Error	
	31h Fan1 error	32h: Fan2 Error	
	32h Fan2 error	33h: High Temp	
	33h High Temp	36h: Low Temp	
	36h Low Temp	39h: Wiper Error	
	40h Temp Sensor Error	40h: Temp Sensor Error	
	41h Lens Initialize Error	41h Lens Initialize Error	
	42h PT. Initialize Error	42h PT. Initialize Error	
	50h: MR Level Error	50h: MR Level Error	
	52h: MR Offset Error	51h: GYRO Initial Error	
	53h: Origin Offset Error	52h: MR Offset Error	
	54h: Angle MR Sensor Error	53h: Origin Offset Error	
	55h: PT. Gear Error		
	56h: Motor Disconnect Error		

▼#RER(続き)

機種によってエラーの内容が異なります

HE130	HE120	HE60	HE50
V1.00 00h: Normal 03h: Motor Driver Error 04h: Pan Sensor Error 05h: Tilt Sensor Error 06h: Controller RX Over run Error 07h: Controller RX Framing Error 08h: Network RX Over run Error 09h: Network RX Framing Error 17h: Controller RX Command Buffer Overflow 19h: Network RX Command Buffer Overflow 21h: System Error 22h: Spec Limit Over 23h: FPGA Config Error 25h: CAMERA communication Error 26h: CAMERA RX Over run Error 27h: CAMERA RX Framing Error 28h: CAMERA RX Command Buffer Overflow	V1.00 00h: Normal 03h: Motor Driver Error 04h: Pan Sensor Error 05h: Tilt Sensor Error 06h: Controller RX Over run Error 07h: Controller RX Framing Error 08h: Network RX Over run Error 09h: Network RX Framing Error 17h: Controller RX Command Buffer Overflow 19h: Network RX Command Buffer Overflow 21h: System Error 22h: Spec Limit Over 23h: FPGA Config Error 24h: Network communication Error 25h: Lens Initialize Error	00h: Normal 03h: Motor Driver Error 04h: Pan Sensor Error 05h: Tilt Sensor Error 06h: Controller RX Over run Error 07h: Controller RX Framing Error 08h: Network RX Over run Error 09h: Network RX Framing Error 17h: Controller RX Command Buffer Overflow 19h: Network RX Command Buffer Overflow 21h: System Error 22h: Spec Limit Over 23h: FPGA Config Error 24h: Network communication Error 30h: Lvds_Adjustmet_NG 31h: Bar_Signal_Check_NG 32h: H_Sync_Check_NG 33h: HDMI_Check_NG	V1.00 00h: Normal 03h: Motor Driver Error 04h: Pan Sensor Error 05h: Tilt Sensor Error 06h: Controller RX Over run Error 07h: Controller RX Framing Error 08h: Network RX Over run Error 09h: Network RX Framing Error 17h: Controller RX Command Buffer Overflow 19h: Network RX Command Buffer Overflow 21h: System Error 22h: Spec Limit Over 23h: FPGA Config Error 24h: Network communication Error 30h: Lvds_Adjustmet_NG 31h: Bar_Signal_Check_NG

▼XSF

制御コマンドと問合せ応答でパラメータの意味が異なります

UE100, UE150, HR140, UE70series, HE75series,
HE70series, HE130, HE120, HE60, HE50

Control	Confirmation
0 ---	0 Scene1(Manual1)
1 Scene1(Manual1)	1 Scene2(Manual2)
2 Scene2(Manual2)	2 Scene3(Manual3)
3 Scene3(Manual3)	3 Scene4(FullAuto)
4 Scene4(FullAuto)	4 ---

UE4

Control	Confirmation
0 ---	0 Full Auto
1 Full Auto	1 Shutter Priority
2 Shutter Priority	2 Manual
3 Manual	3 ---

UB300

Control	Confirmation
0 ---	0 current
1 current	1 Scene1
2 Scene1	2 Scene2
3 Scene2	3 Scene3
4 Scene3	4 Scene4
5 Scene4	5 Scene5
6 Scene5	6 Scene6
7 Scene6	7 Scene7
8 Scene7	8 Scene8
9 Scene8	9 ---

▼#0

制御と問い合わせでパラメータが異なります

Control		Confirmation	
0	Power Off	0	Power Off
1	Power On	1	Power On
3	---	3	Starting