

VARICAM LT – RAW recording test result

As of Jun.27,2017

VARICAM LT AU-V35LT1

Version 24.08-00-0.00

Odyssey 7Q+

Version 2017.06.1706

Menu settings

SYSTEM SETTINGS
> SYSTEM MODE

OUTPUT SETTINGS
> SDI OUT

Menu settings

MASTER CAMERA: PANASONIC
MONITOR -> RECORD: VARICAM 4K RAW -> .DNG
RECORD TRIGGER: CAMERA
TIMECODE SOURCE: SDI/HDMI

FREQUENCY	SDI RAW	MAIN PIXEL	MAIN CODEC	RAW OUTPUT	RAW .DNG recording	Note (Refer to the last page.)	
59.94p	4K/10bit	4096x2160	AVC-Intra4K-LT	DUAL	OK		
			OFF	DUAL	OK		
		2048x1080	AVC-Intra2K 422	DUAL	OK		
			ProRes 422 HQ	DUAL	OK		
			ProRes 422	DUAL	OK		
			ProRes 422 LT	DUAL	OK		
			OFF	DUAL	OK		
		UHD/10bit	3840x2160	AVC-Intra4K-LT	DUAL	OK	
				OFF	DUAL	OK	
			1920x1080	AVC-Intra 422	DUAL	OK	
				AVC-Intra100	DUAL	OK	
				AVC-LongG25	DUAL	OK	
	ProRes 422 HQ			DUAL	OK		
	ProRes 422	DUAL	OK				
	ProRes 422 LT	DUAL	OK				
	OFF	DUAL	OK				
	50.00p	4K/10bit	4096x2160	AVC-Intra4K-LT	DUAL	OK	
				OFF	DUAL	OK	
			2048x1080	AVC-Intra2K 422	DUAL	OK	
				ProRes 422 HQ	DUAL	OK	
				ProRes 422	DUAL	OK	
				ProRes 422 LT	DUAL	OK	
				OFF	DUAL	OK	
			UHD/10bit	3840x2160	AVC-Intra4K-LT	DUAL	OK
OFF					DUAL	OK	
1920x1080				AVC-Intra 422	DUAL	OK	
				AVC-Intra100	DUAL	OK	
				AVC-LongG25	DUAL	OK	
		ProRes 422 HQ		DUAL	OK		
ProRes 422		DUAL	OK				
ProRes 422 LT		DUAL	OK				
OFF		DUAL	OK				

Menu settings					Menu settings			
SYSTEM SETTINGS > SYSTEM MODE				OUTPUT SETTINGS > SDI OUT	MASTER CAMERA: PANASONIC MONITOR -> RECORD: VARICAM 4K RAW -> .DNG RECORD TRIGGER: CAMERA TIMECODE SOURCE: SDI/HDMI			
FREQUENCY	SDI RAW	MAIN PIXEL	MAIN CODEC	RAW OUTPUT	RAW .DNG recording	Note (Refer to the last page.)		
29.97p	4K/12bit	2048x1080	AVC-Intra2K 444	DUAL	OK			
			OFF	DUAL	OK			
	4K/10bit	4096x2160	AVC-Intra4K 422	DUAL	OK			
				SINGLE	OK			
			AVC-Intra4K-LT	DUAL	OK			
				OFF	DUAL	OK		
			2048x1080	2048x1080	AVC-Intra2K 422	DUAL	OK	
						ProRes 4444 XQ	DUAL	OK
	ProRes 4444	DUAL			OK			
	ProRes 422 HQ	DUAL			OK			
	ProRes 422	DUAL			OK			
	ProRes 422 LT	DUAL			OK			
	UHD/12bit	1920x1080	AVC-Intra 444	DUAL	OK			
				OFF	DUAL	OK		
	UHD/10bit	3840x2160	AVC-Intra4K 422	DUAL	OK			
				SINGLE	OK			
			AVC-Intra4K-LT	DUAL	OK			
				OFF	DUAL	OK		
			1920x1080	1920x1080	AVC-Intra 422	DUAL	OK	
						AVC-Intra100	DUAL	OK
		AVC-LongG50			DUAL	OK		
		AVC-LongG25			DUAL	OK		
		ProRes 4444 XQ			DUAL	OK		
		ProRes 4444			DUAL	OK		
		ProRes 422 HQ	DUAL	OK				
			ProRes 422	DUAL	OK			
		ProRes 422 LT	DUAL	OK				
			OFF	DUAL	OK			
					SINGLE	OK		

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TIMECODE SOURCE: SDI/HDMI

FREQUENCY	SDI RAW	MAIN PIXEL	MAIN CODEC	RAW OUTPUT	RAW .DNG recording	Note (Refer to the last page.)	
25.00p	4K/12bit	2048x1080	AVC-Intra2K 444	DUAL	OK		
			OFF	DUAL	OK		
	4K/10bit	4096x2160	AVC-Intra4K 422	DUAL	OK		
				SINGLE	OK		
			AVC-Intra4K-LT	DUAL	OK		
			OFF	DUAL	OK		
				SINGLE	OK		
	2048x1080		AVC-Intra2K 422	DUAL	OK		
			ProRes 4444 XQ	DUAL	OK		
			ProRes 4444	DUAL	OK		
			ProRes 422 HQ	DUAL	OK		
			ProRes 422	DUAL	OK		
			ProRes 422 LT	DUAL	OK		
			OFF	DUAL	OK		
				SINGLE	OK		
	UHD/12bit	1920x1080	AVC-Intra 444	DUAL	OK		
			OFF	DUAL	OK		
	UHD/10bit	3840x2160	AVC-Intra4K 422	DUAL	OK		
				SINGLE	OK		
			AVC-Intra4K-LT	DUAL	OK		
			OFF	DUAL	OK		
				SINGLE	OK		
		1920x1080		AVC-Intra 422	DUAL	OK	
				AVC-Intra100	DUAL	OK	
				AVC-LongG50	DUAL	OK	
				AVC-LongG25	DUAL	OK	
				ProRes 4444 XQ	DUAL	OK	
				ProRes 4444	DUAL	OK	
				ProRes 422 HQ	DUAL	OK	
				ProRes 422	DUAL	OK	
				ProRes 422 LT	DUAL	OK	
				OFF	DUAL	OK	
					SINGLE	OK	

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TIMECODE SOURCE: SDI/HDMI

FREQUENCY	SDI RAW	MAIN PIXEL	MAIN CODEC	RAW OUTPUT	RAW .DNG recording	Note (Refer to the last page.)		
24.00p	4K/12bit	2048x1080	AVC-Intra2K 444	DUAL	OK			
			OFF	DUAL	OK			
	4K/10bit	4096x2160	AVC-Intra4K 422	DUAL	OK			
				SINGLE	OK			
			AVC-Intra4K-LT	DUAL	OK			
				OFF	DUAL	OK		
			2048x1080	2048x1080	AVC-Intra2K 422	DUAL	OK	
					ProRes 4444 XQ	DUAL	OK	
					ProRes 4444	DUAL	OK	
					ProRes 422 HQ	DUAL	OK	
	ProRes 422	DUAL			OK			
	ProRes 422 LT	DUAL			OK			
	OFF	2048x1080	DUAL	OK				
			SINGLE	OK				

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TIMECODE SOURCE: SDI/HDMI

FREQUENCY	SDI RAW	MAIN PIXEL	MAIN CODEC	RAW OUTPUT	RAW .DNG recording	Note (Refer to the last page.)	
23.98p	4K/12bit	2048x1080	AVC-Intra2K 444	DUAL	OK		
			OFF	DUAL	OK		
	4K/10bit	4096x2160	AVC-Intra4K 422	DUAL	OK		
				SINGLE	OK		
			AVC-Intra4K-LT	DUAL	OK		
			OFF	DUAL	OK		
				SINGLE	OK		
	2048x1080		AVC-Intra2K 422	DUAL	OK		
			ProRes 4444 XQ	DUAL	OK		
			ProRes 4444	DUAL	OK		
			ProRes 422 HQ	DUAL	OK		
			ProRes 422	DUAL	OK		
			ProRes 422 LT	DUAL	OK		
			OFF	DUAL	OK		
				SINGLE	OK		
	UHD/12bit	1920x1080	AVC-Intra 444	DUAL	OK		
			OFF	DUAL	OK		
	UHD/10bit	3840x2160	AVC-Intra4K 422	DUAL	OK		
				SINGLE	OK		
			AVC-Intra4K-LT	DUAL	OK		
			OFF	DUAL	OK		
				SINGLE	OK		
		1920x1080		AVC-Intra 422	DUAL	OK	
				AVC-Intra100	DUAL	OK	
				AVC-LongG50	DUAL	OK	
				AVC-LongG25	DUAL	OK	
				ProRes 4444 XQ	DUAL	OK	
				ProRes 4444	DUAL	OK	
				ProRes 422 HQ	DUAL	OK	
				ProRes 422	DUAL	OK	
				ProRes 422 LT	DUAL	OK	
				OFF	DUAL	OK	
					SINGLE	OK	

VARICAM LT AU-V35LT1 Version 24.08-00-0.00					Odyssey 7Q+ Version 2017.06.1706	
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SYSTEM SETTINGS > SYSTEM MODE				OUTPUT SETTINGS > SDI OUT	MASTER CAMERA: PANASONIC MONITOR -> RECORD: VARICAM 4K RAW -> .DNG RECORD TRIGGER: CAMERA TIMECODE SOURCE: SDI/HDMI	
FREQUENCY	SDI RAW	MAIN PIXEL	MAIN CODEC	RAW OUTPUT	RAW .DNG recording	Note (Refer to the last page.)
59.94p	2K/10bit	2048x1080 CROP	AVC-Intra2K-LT	DUAL	OK	
			AVC-Intra2K 422	DUAL	OK	
			OFF	DUAL	OK	
	HD/10bit	1920x1080 CROP	AVC-Intra-LT	DUAL	OK	
			AVC-Intra 422	DUAL	OK	
			AVC-Intra 100	DUAL	OK	
			OFF	DUAL	OK	
50.00p	2K/10bit	2048x1080 CROP	AVC-Intra2K-LT	DUAL	OK	
			AVC-Intra2K 422	DUAL	OK	
			OFF	DUAL	OK	
	HD/10bit	1920x1080 CROP	AVC-Intra-LT	DUAL	OK	
			AVC-Intra 422	DUAL	OK	
			AVC-Intra 100	DUAL	OK	
			OFF	DUAL	OK	
29.97p	2K/10bit	2048x1080 CROP	AVC-Intra2K-LT	DUAL	OK	
			AVC-Intra2K 422	DUAL	OK	
			OFF	DUAL	OK	
	HD/10bit	1920x1080 CROP	AVC-Intra-LT	DUAL	OK	
			AVC-Intra 422	DUAL	OK	
			AVC-Intra 100	DUAL	OK	
			OFF	DUAL	OK	
25.00p	2K/10bit	2048x1080 CROP	AVC-Intra2K-LT	DUAL	OK	
			AVC-Intra2K 422	DUAL	OK	
			OFF	DUAL	OK	
	HD/10bit	1920x1080 CROP	AVC-Intra-LT	DUAL	OK	
			AVC-Intra 422	DUAL	OK	
			AVC-Intra 100	DUAL	OK	
			OFF	DUAL	OK	
24.00p	2K/10bit	2048x1080 CROP	AVC-Intra2K-LT	DUAL	OK	
			AVC-Intra2K 422	DUAL	OK	
			OFF	DUAL	OK	
23.98p	2K/10bit	2048x1080 CROP	AVC-Intra2K-LT	DUAL	OK	
			AVC-Intra2K 422	DUAL	OK	
			OFF	DUAL	OK	
	HD/10bit	1920x1080 CROP	AVC-Intra-LT	DUAL	OK	
			AVC-Intra 422	DUAL	OK	
			AVC-Intra 100	DUAL	OK	
			OFF	DUAL	OK	

[Note]

* To start Odyssey7Q+ recording by pressing REC button of VariCam LT without a P2 card, please set VariCam LT MAIN CODEC menu OFF.

* Recording start/end frame or timecode might be different from simultaneously recorded VariCam LT P2.

* In the case of system frequency 59.94p and 50p, Video and timecode playback is slow on Odyssey7Q+.

* To apply V-Log to V-709 LUT on Odyssey7Q+ video monitor, please press and hold LUT button then select PANASONIC_EE_LOG_709 from PRESET LUTS menu.

Please consult Convergent Design about the details of Odyssey7Q+ product information.