

Recording & Playback UHDTV Video DRB8000 Series



Uncompressed Recorder for 4K8K

- 60 min uncompressed recording and playback
- Full support for UHDTV(BT.2020)
- Latest update for U-SDI *
- As the industry's only 15.6" touch screen



* Ultra high-definition Signal/Data Interface (ARIB STD-B58, ITU-R BT.2077 Part2)

1. Up to 240Gbps Recording and Playback

This is high-end recorder includes all the functions required for developing the next-generation 8K products.

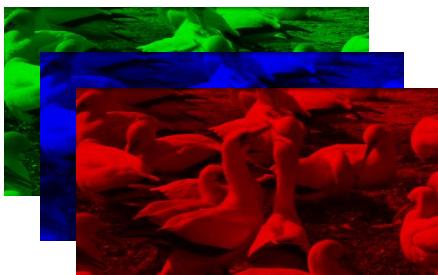


240Gbps/46TB storage unit

- Record 60 minutes uncompressed UHDTV 8K video. (The effective transmission rate is 200Gbps.)
- Playback uncompressed data, enabling the algorithm evaluation and the development of products related to UHDTV.

2. UHDTV 8K Full Support

All types of image resolution for the UHDTV standard are supported, including 8K 120Hz 4:4:4RGB.



4:4:4RGB



24 core optical fiber cable

The interface for 24 core optical fiber cable with the U-SDI standard is mounted. Even if the standard is updated, it can be used by just applying a firmware update.

3. Superior Operability

Unprecedented big touch screen and thumbnail view enhance user-friendliness and operability.



Thumbnail view

Touch panel operating during recording

Using specialized hardware enables quick access to large amounts of data.

DRB8000 Series



General Characteristics

	DRB8011	DRB8023	DRB8046	New! DRB8092
Recording and Playback				
Storage capacity	11TB	23TB	46TB	92TB
Recording duration	7 min (8K 120Hz 4:4:4RGB)	15 min (8K 120Hz 4:4:4RGB)	30 min (8K 120Hz 4:4:4RGB)	60min (8K 120Hz 4:4:4RGB)
Recording files	Up to 1000 files			
Video format				
Resolution	7680 x 4320 pixels, 3840 x 2160 pixels			
Frame rate	120Hz, 120/1.001Hz, 60Hz, 60/1.001Hz			
Pixel structure	4:4:4 RGB, 4:4:4 YCbCr, 4:2:2 YCbCr, 4:2:0 YCbCr			
Bit number	10bit, 12bit			
Interface				
Video input	1ch 24 core optical fiber cable * 3G-SDIx16ch(8K) / 12G-SDIx8ch(8K) / DisplayPort 1.2x8ch(8K) **			
Video output	1ch 24 core optical fiber cable * 3G-SDIx16ch(8K) or 4ch(4K) / 12G-SDIx8ch(8K) or 1ch(4K) / DisplayPort 1.2x8ch(8K) **			
Display monitor	15.6 inch WXGA touch screen (Surface acoustic wave touch panel)			
Input / Output	USB, DVI, D-Sub, Ethernet			
Control Interface	RS422 9-Pin protocol			
General information				
Size, Weight, Consumed power	263(H) x 482(W) x 566(D) mm, 40kg, Less than 600W(Typ.)			
Operating temperature, humidity	0~40℃, 30~80%RH (No condensation permitted)			
Accessories	Operating manual x 1, CD-ROM x 1, Power cable x 1			

400TB / 240min storage size is available!

* ARIB STD-B58 , ITU-R BT.2077 Part2 ** Support by optional unit

Recording and Playback Modes

Resolution	Frame rate	Pixel structure	Recording duration			
			DRB8011	DRB8023	DRB8046	DRB8092
7680 x 4320 pixels	120/1.001Hz, 120Hz	4:4:4 RGB / 4:4:4 YCbCr	7 min	15 min	30 min	60 min
		4:2:2 YCbCr	10 min	20 min	45 min	90 min
		4:2:0 YCbCr	15 min	30 min	60 min	120 min
	60/1.001Hz, 60Hz	4:4:4 RGB / 4:4:4 YCbCr	15 min	30 min	60 min	120 min
		4:2:2 YCbCr	20 min	45 min	90 min	180 min
		4:2:0 YCbCr	30 min	60 min	120 min	240 min
3840 x 2160 pixels	120/1.001Hz, 120Hz	4:4:4 RGB / 4:4:4 YCbCr	30 min	60 min	120 min	240 min
		4:2:2 YCbCr	45 min	90 min	180 min	360 min
		4:2:0 YCbCr	60 min	120 min	240 min	480 min
	60/1.001Hz, 60Hz	4:4:4 RGB / 4:4:4 YCbCr	60 min	120 min	240 min	480 min
		4:2:2 YCbCr	90 min	180 min	360 min	720 min
		4:2:0 YCbCr	120 min	240 min	480 min	960 min

External Dimensions

