

ЦИФРОВЫЕ РАДИОСИСТЕМЫ SONY





1958

2008

2010

2012

2015



Where Precision Counts . . .
IT'S SONY AROUND THE WORLD!
SONY
 C-37A
CONDENSER MICROPHONE

CP-2 POWER SUPPLY
 Custom matched to each microphone

Designed to meet exacting professional standards where utmost performance, dependability and fidelity is essential. The exceptionally smooth frequency response of 20-20,000 CPS is completely free of resonant peaks and dips.

Uni-directional and omni-directional. Maximum boom to back versatility of more than 15 db provides unmatched Cardoid pattern.

Output Impedance: 100 ohms balanced
 Output Level: Uni-directional, -50 db
 Omni-directional, -47 db

* Actual recorded response curve and description brochure available upon request.

SONY CR-4
RADIO Wireless MICROPHONE

The Sony model CR-4 is a complete professional wireless microphone with an all-transistor FM transmitter, a dynamic lavaliere microphone and an 8-tube FM receiver.

TRANSMITTER	RECEIVER
<ul style="list-style-type: none"> 100 percent all-transistor electronic Automatic gain control Frequency response 20-20,000 cps Power 100 milliwatts Range 1000 feet Weight 1.5 lbs. 	<ul style="list-style-type: none"> 100 percent all-transistor electronic Automatic gain control Frequency response 20-20,000 cps Power 100 milliwatts Range 1000 feet Weight 1.5 lbs.

For more information, inquiries and names of nearest authorized dealers in U.S.A., write:

SUPERSCOPE, INC., Audio Electronics Division/San Valley, California

SUPERSCOPE
 INCORPORATED

Analog Audio Technology

Digital Audio Technology

Wireless transmission Technology



Отличное качество звука с минимальной задержкой

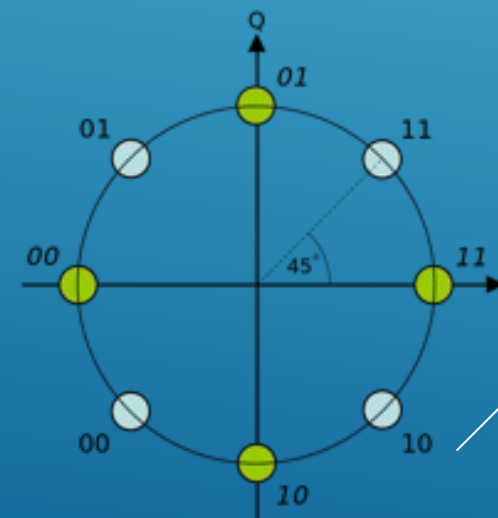
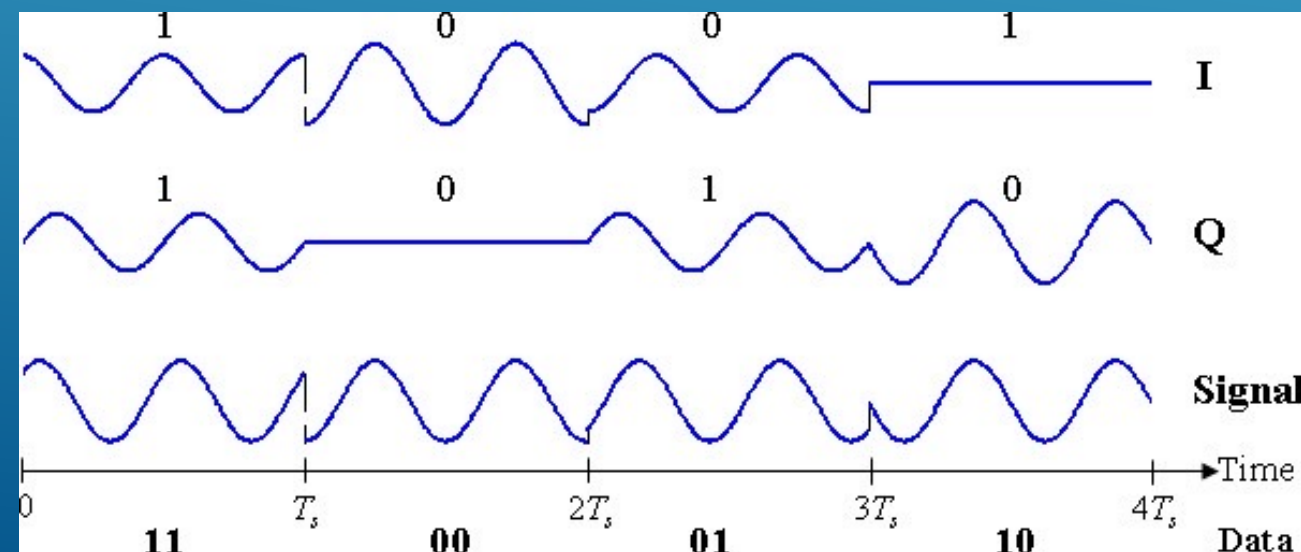


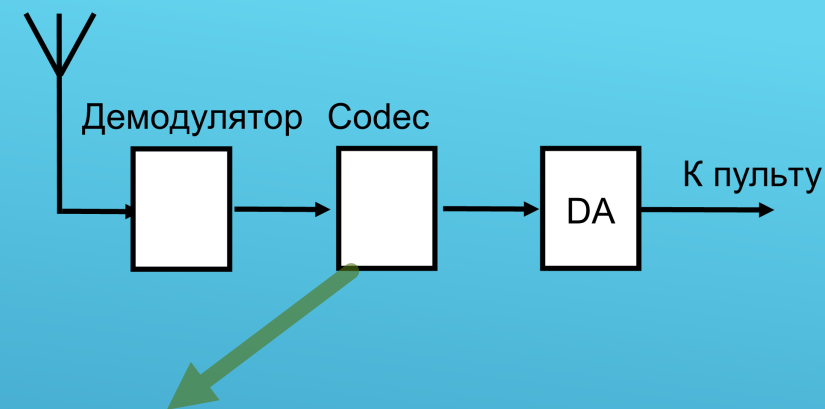
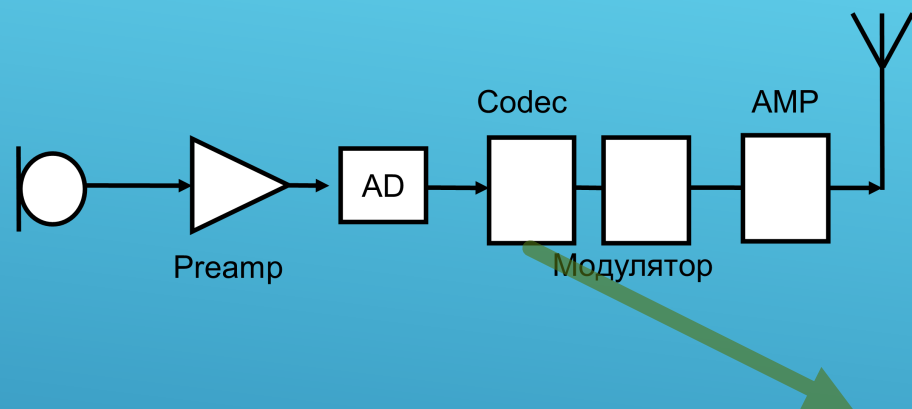
8МГц 10 каналов



8МГц 21 каналов

DIGITAL SIGNAL - $\pi/4$ -QPSK – THE SONY MODULATION





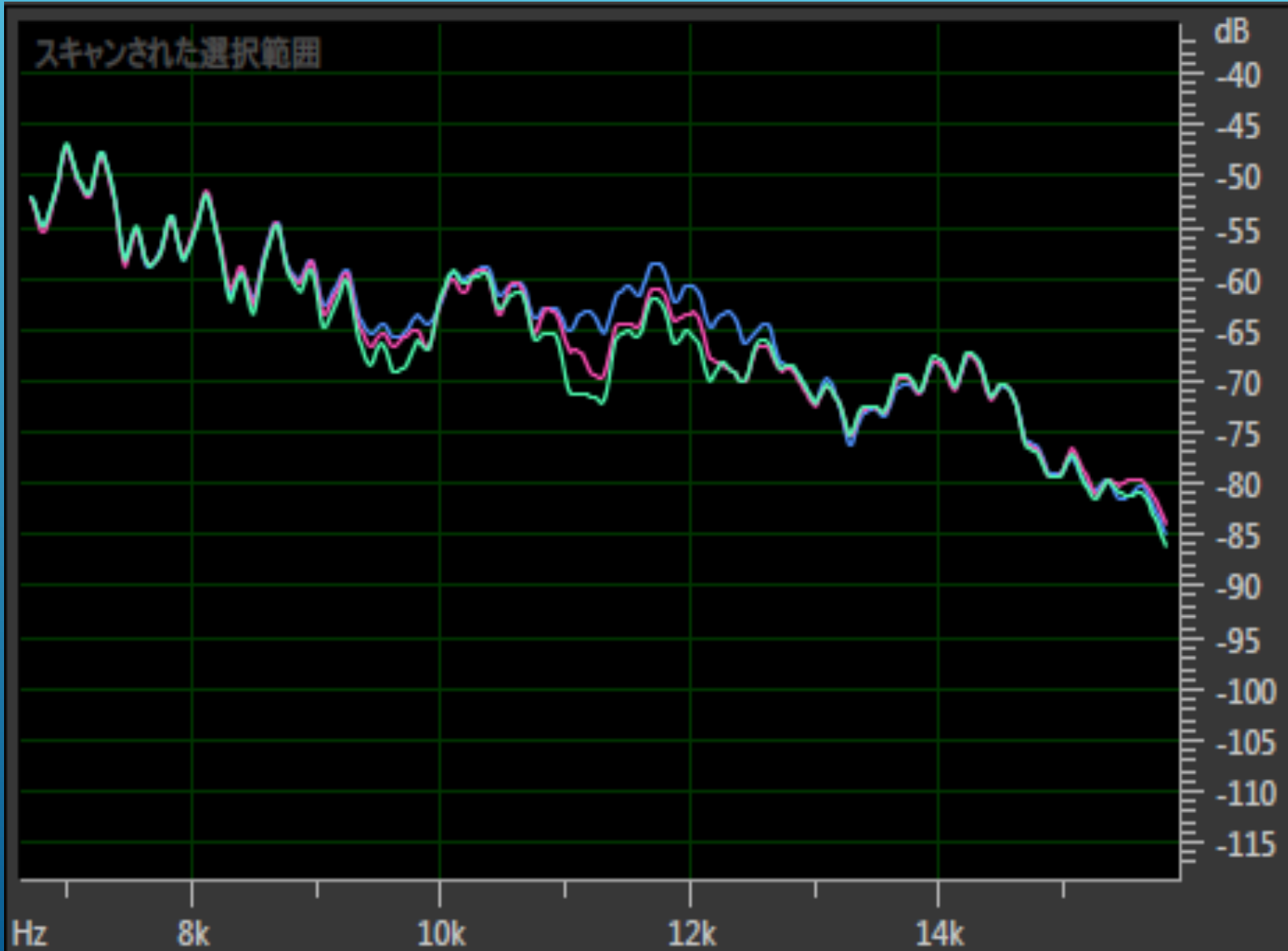
CODEC MODE	MODE 1	MODE 2	MODE 3	MODE4
	Codec Mode for 1 st Gen.	Low Latency Reliable RF transmission High Quality Sound	Prevents noise by specific pulse shaping interference	High Quality Sound Reliable RF transmission Low Latency
Suitable application	Customer who wants compatibility with current DWX	-Tour -Theatre -BC	-ENG -Speech	-Tour -Theatre -BC
Audio Latency with DWT-B03R	2.7 msec 0 msec with XDCAM	1.2 msec* (analog out) 2.2 msec (digital out) 0 msec with XDCAM	3.7 msec (analog out) 4.6 msec (digital out) 0 msec with XDCAM	1.3 msec* (analog out) 2.3 msec (digital out) 0 msec with XDCAM
Audio Latency with other transmitters	3.4 msec (analog/digital) 0 msec with XDCAM	1.5 msec (analog out) 2.5 msec (digital out) 0 msec with XDCAM	4.0 msec (analog out) 4.9 msec (digital out) 0 msec with XDCAM	1.6 msec (analog out) 2.6 msec (digital out) 0 msec with XDCAM

MODE1: Кодек для работы с предыдущими поколениями .

MODE2: Кодек с минимальной задержкой и высоким качеством звучания .

MODE3: Кодек разработанный для сложных условий имеет большую задержку.

MODE4: Кодек последнего поколения.



- Codec Mode 2
- Codec Mode 4
- Original Sound

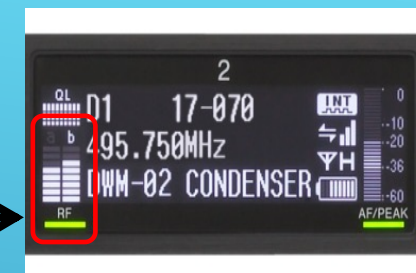


Новая технология X-Dimension Diversity

- Данная технология помимо стандартных факторов так же учитывает

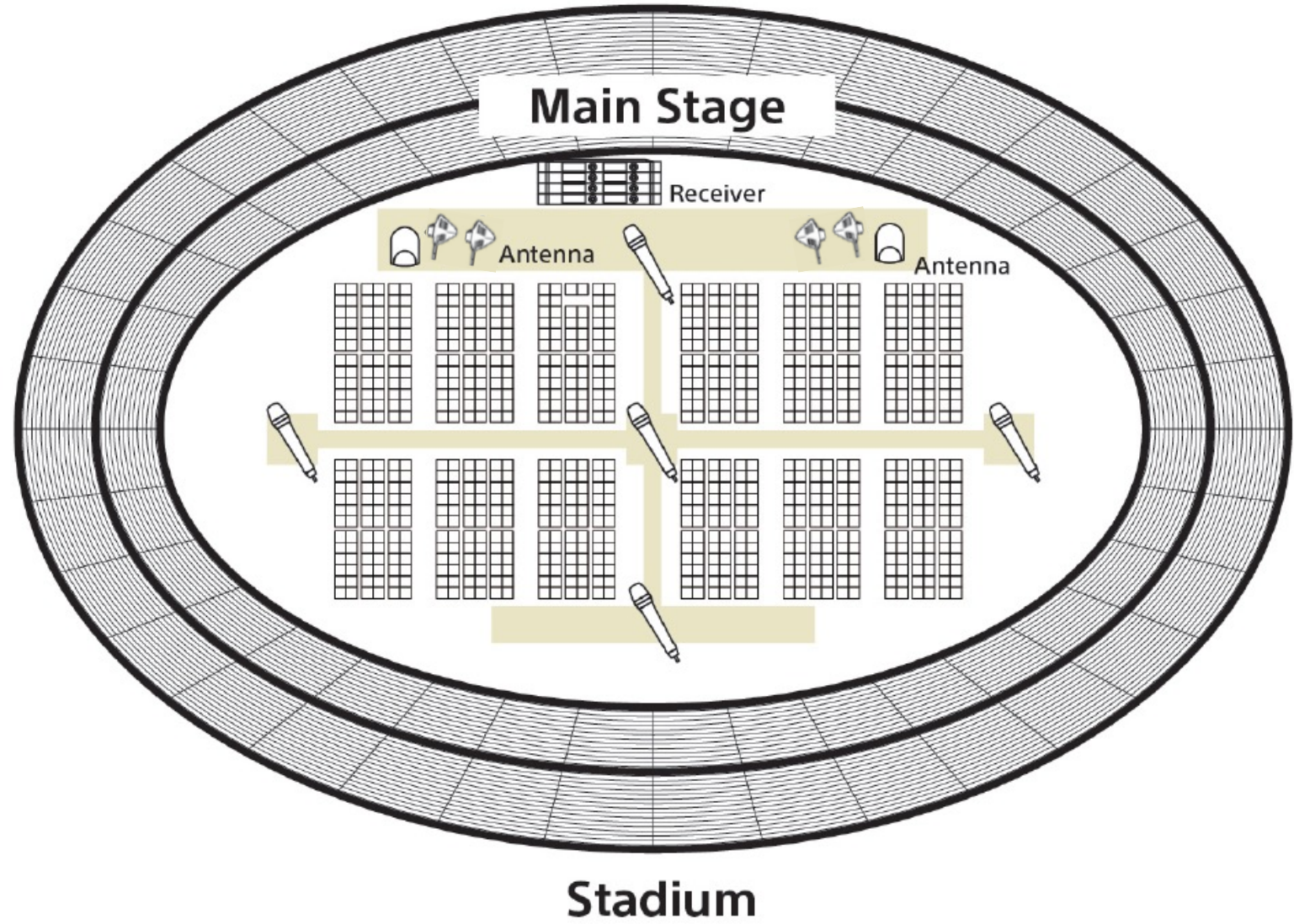
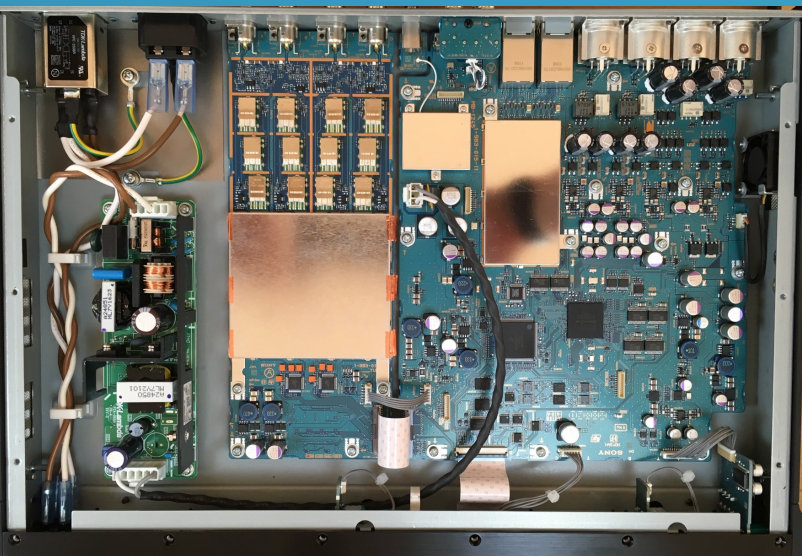
- Время
- Цифровые данные
- Фазу

- Технология работает с двумя и четырьмя антеннами .



X-Dimension Diversity

4 Diversity mode



Приёмники



DWR-R03D

- Dante
- X-dimension diversity
- 4 Антенны на прием
- 4 кодека
- Управление передатчиками
- Каскадирование питания
- Аналоговый/цифровой выход
- Настройка профилей
- 1dB шаг настройки выхода
- Сканирование частоты и переключение
- Частотная координация без ПК
- Графический спектро анализатор
- Переключение каналов на выход

Варианты применения



QL series



CL series



The image shows a screenshot of a radio control interface for a Sony DWR-R03D, with several components annotated by red arrows and text labels. The interface is divided into several sections:

- Top Bar:** Displays "I/O DEVICE #1 [WIRELESS]" and "CH3 ch 3".
- Channel Information:** Shows "#1 [WIRELESS] (Y003) [DWR-R03D]" and "4 Diversity Mode : OFF".
- Transmitters:** Two transmitters are visible, labeled "#1" and "#2". Each has a TX name ("B03R-1" and "B03R-2"), a TX ATT level (-9dB and -6dB), and a frequency (526.750 MHz and 527.250 MHz).
- RF Level and Quality:** Each transmitter has an RF LEVEL meter, a MUTE button, and a QUALITY meter.
- Bottom Bar:** Shows "PORT ASSIGN" and "1-8" buttons.
- Right Panel:** Includes a "METER" section with a scale from -3 to -60, and "SCENE 000 R Initial Data".

Annotations on the screenshot include:

- Cross Remote status:** Points to the top right corner of the interface.
- TX name (can be changed):** Points to the "B03R-1" label.
- ATT level (can be changed):** Points to the TX ATT level indicator.
- RX label name (can be changed):** Points to the "B03R-1" label under the receiver section.
- Frequency:** Points to the frequency display.
- DWR-R03D AF meter (Output level control is disabled):** Points to the RF LEVEL meter.
- DWR-R03D AF muting (can be set):** Points to the MUTE button.
- QL meter:** Points to the QUALITY meter.
- RF level meter:** Points to the RF LEVEL meter.
- TX battery status (icon only):** Points to the battery icon at the bottom of the transmitter control area.

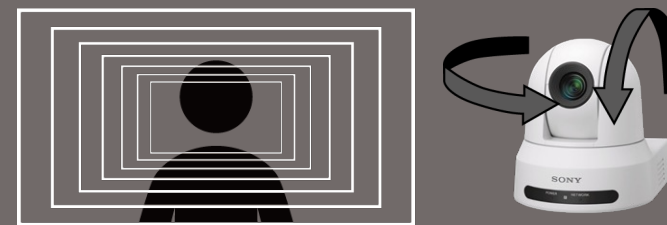
In the bottom left corner, there is a photograph of the physical Sony DWR-R03D device. The device features a power switch, a "UTILITY" button, and a digital display showing "1", "D1 21-10", "471.250 MHz", "DWX-03 DYNAMIC", and "7:00".

НОВЫЕ ТЕХНОЛОГИИ В PTZ КАМЕРАХ

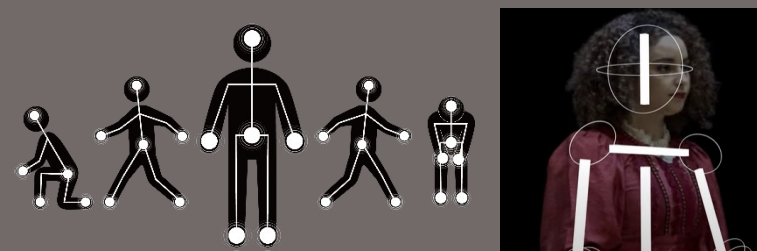


Автофрейминг на базе обучающегося AI

Автоматическое отслеживание человека, задействую **Pan, Tilt и Zoom** приводы.



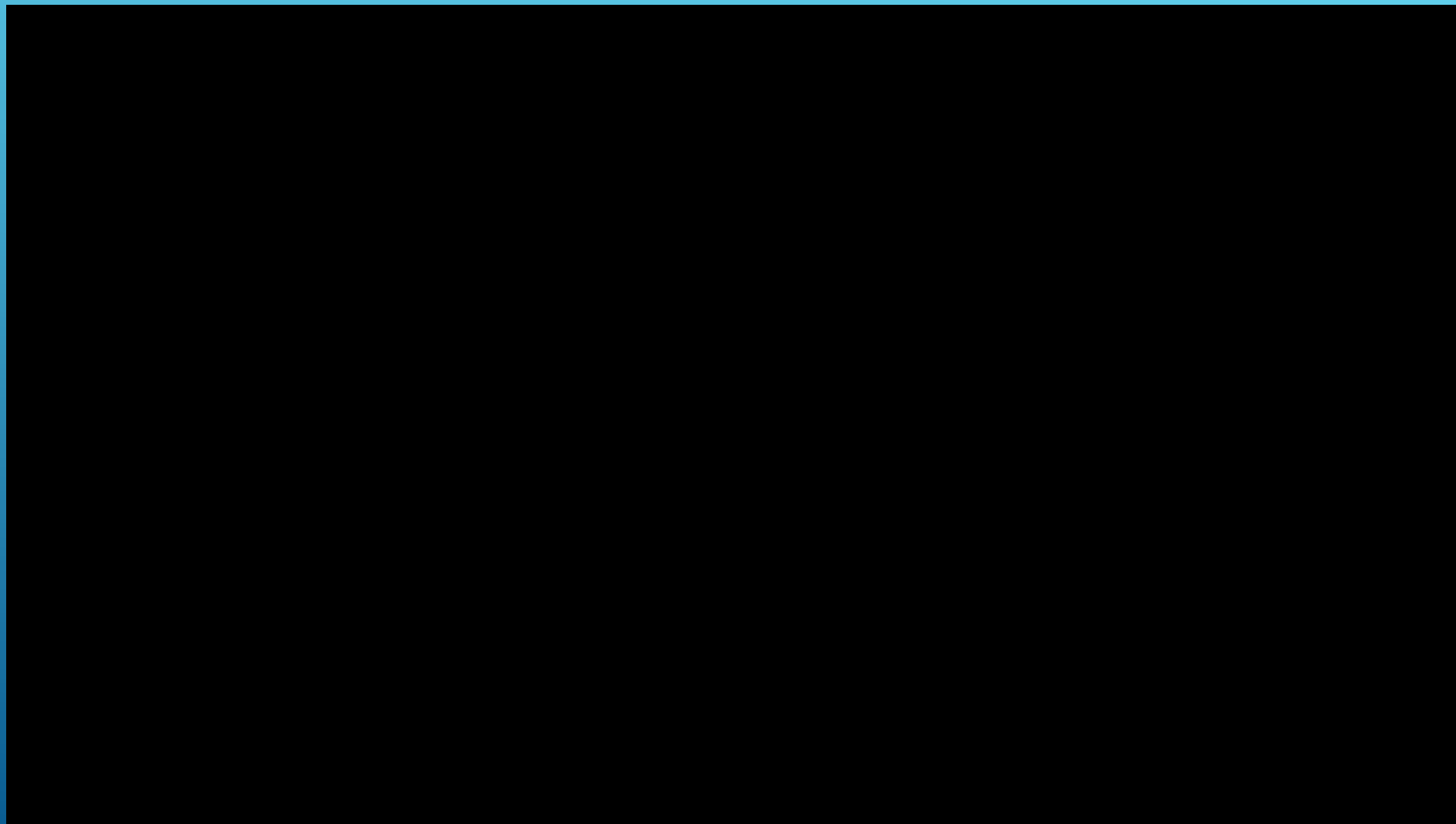
Определение о постоянное отслеживание, скелета, головы, цвет лица, направление взгляда и цвета одежды



Плавное ведение объекта и постоянный контроль заданного плана и кадрирования .



Автофрейминг на базе обучающегося AI



FR7



	FX30	FX3	FX6	FR7	FX9	BURANO	VENICE	VENICE 2
Weight (Body only)	562g	640g	890g	4.6kg	1.9kg	Approx 2.4kg	Approx 3.9kg Approx 5.1kg (With FR7)	Approx 4.3kg
Dimensions (W x H x D)	129.7 x 77.8 x 84.5mm		4 x 116 x 153mm	227 x 289 x 233mm	146 x 142.5 x 229mm	145.7 x 142.5 x 218.1mm	147 x 158 x 235mm (Excluding R7)	152 x 158 x 250mm
Sensor	S35 Exmor R CMOS		FF Exmor R CMOS			FF Exmor RS CMOS		
Highest Resolution	4K DCI					8.6K	6K	8.6K
Dynamic Range	14+ Stops		15+ Stops			16 stops	15+ stops	6K: 15+ stops 8K: 16 stops
ISO Sensitivity	800/2500 (Dual Base ISO)		800/12,800 (High sensitivity mode)		800/4000 (Dual Base ISO)	800/3200 (Dual Base ISO)	500/2500 (Dual Base ISO)	6K: 500/2500 (Dual Base ISO) 8K: 800/3200 (Dual Base ISO)
Built-In ND Filters	No		Clear & variable ND filter system (0.6-2.1)			Clear 0.3, 0.6, 0.9, 1.2, 1.5, 1.8, 2.1, 2.4		
Wrapper	MP4		MXF					
High Speed FPS	120 at UHD, 240 at FHD				60 at 4K, 180 at 2K	120 at 4K (S35 sensor mode)		120 at 5.8K
Exposure tools	Hist / M&C app		Hist / WF / Zebra / M&C app				Zebra / False Color / Hi / Lo-Key / Highlight Clip Indicator	
Anamorphic	Yes		No			Yes		
Lens Mount	E-Mount					PL Mount & E-mount		
Video Codec Rec	10-bit XAVC-I/L natively					XAVC in XAVC (HD, 4K) & XAVC H (8K)	XAVC (HD, 4K) & ProRes (HD)	ProRes (4K)
Raw Recording	16-bit RAW data output via HDMI to 3rd party recorder		16-bit RAW data output via SDI to 3rd party recorder			16-bit X-OCN in LT	16-bit XOCN in LT, ST, and XT	
Genlock	No				Yes			
User 3D LUTs			Yes			Yes (incl ART Files)		
Video Output	HDMI only		12G-SDI, HDMI					
Ethernet	Yes with optional USB-C adaptor		Yes	Yes with XDCA-FX9 adaptor		Yes		
Autofocus	Yes							No

FR7



LOOK	Visual Expression	Impressive cinematic expression				
		Full-frame CMOS sensor	BIONZ XR	ISO up to 409600	15+stop dynamic range	High quality E-mount lens
Operability	Cinema Line Consistency	Common look with Cinema Line for easy multi-camera production and high quality				
		XAVC-I 4K60p 4:2:2 10bit	S-Log3 S-Gamut3	S-Cinetone	Cine EI mode	
Operability	Unique PTZ viewpoints	Remote control for unique angles / Minimization of crew				
		Pan-Tilt-Zoom expression	Slow & Smooth 0.02°/sec ~	Fast Hybrid AF	Real-time Eye AF/ Real-time Tracking	Breathing compensation
	Versatile PTZ remote control	Smooth camera work with easy operation in various usages from tripods to ceilings				
		Web App	Menu UI similar with FX6	Camera Remote Controller RM-IP500	Preset position function	
Workflow	Interface and connectivity	Streaming methods, recording methods, and power supply for a wide range of use cases				
		Dual media slots CFexpress Type A/ SDXC	SDI OUT connector	OPTICAL output connector	HDMI Type A output connector	AUDIO IN (XLR type 5-pin) connector
		TC IN connector	OPTION connector	GENLOCK connector	IP streaming RTSP / NDI HX / SRT	PoE++ / 19.5V DC power input

BRC-AM7



Лучшее качество изображения

Exmor RSTM™ x BIONZ XR™

- Новый 1.0-типе 14.0 МП CMOS Exmor RS сенсор
- Новый процессор обработки изображения

4K60p / HDR

- Пересчет картинки из 5K разрешения
- BT 2020, HDR, расширенные настройки гамма .

Newly designed lens block

- Оптический зум 20x

Built-in Variable ND Filter

- Переменный ND фильтр

Уникальные функции фвтофрейминга и автофокусировки

Unique built-in AI

- Автоматическое отслеживание и кадрирование человека по заданным параметрам

Accurate AF tracking

- Аккуратный и быстрый автофокус
- Совместная работа автофокуса и автофрейминга

Next-Gen PT mechanism

- Новые приводы вращения
- Большой диапазон скорости (0.004~180deg/sec), уровень шума NC25

Продуманная совместимость

Многокамерная съемка

- Легко сводится с HDC/Cinema Line [ITU709/709tone,S-Cinetone™,S-Log3]
- Совместима с RCP/MSU [S700PTP]

Installation freedom & flexibility

- Очень легкая и компактная в своем классе
- Классическое крепление PTZ камер

Versatile I/Fs and protocols

- Различные интерфейсы [12G-SDI + 3G-SDI+HDMI, IP, SFP slot]
- Два слота под запись [CFEX-A /SDXC]
- Все необходимые интерфейсы [4p XLR-DC12V,2x3p XLR, TC IN, Genlock]

SRG-A40/12



Model Name	SRG-A40	SRG-A12
Image Sensor	1/2.5 Exmor R CMOS	
Signal System (Max)	2160 (4K) 29.97p / 1080 (FHD) 59.94p	
Minimum Illumination (50IRE)	1.6 lux (1/30 50% F2.0 high-sensitivity OFF)	
Zoom Ratio	30x (4K with CIZ*)/40x (FHD with CIZ), Max. 80x (with CIZ and Tele Convert Mode)	12x, Max. 24x (with Tele Convert Mode)
Focal length	f=4.4 mm (Wide) to 88.0 mm (Tele) F2.0 to F3.8	f=4.4mm (Wide) to 52.8mm (Tele) F2.0 to F3.7
Tele Convert Mode	Yes: 2x (1920x1080 Only)	
Horizontal Viewing Angle (Wide)	Approx. 70°	
Pan/Tilt Angle	Pan : ±170° / Tilt: +90°, -20°	
Pan/Tilt Speed (Max.)	300°/sec (Pan), 126°/sec (Tilt)	
Pan/Tilt Operation Noise	NC30 or less**	
Preset Position	256 (CGI) / 100 (VISCA)	
Picture Freeze Preset	Yes	
PTZ Motion Sync	Yes	
IP Streaming	RTSP / SRT / NDI® HX***	
Picture Setting File	Yes	
Video Output	3G-SDI/HDMI/IP streaming (4K output only via HDMI and IP)	
Control Interface	VISCA RS-422 RJ45 (In/Out), VISCA over IP RJ-45	
Microphone Input	Mini-phone (stereo) x1 (Mic/Line Selectable)	
Tally Lamp	Yes (front)	
Power Requirements	DC19.5V or PoE++ (IEEE802.3bt Type4 Class8 compatible)	
Storage temperature	-20°C to +60°C, -4°F to +140°F	
Dimensions (W x H x D)	158.4 x 184.0 x 200.2 mm / 6 ¼ x 7 ½ x 8 inch	
Mass	Approx. 2.1 kg / 4 lb 10.1 oz	
Built-in Analytics	PTZ Auto Framing	



BRC-AM7 и FR-7

- Новый подход к PTZ камерам
- Легкая интеграция с VR
- Точная настройка трекинга
- Высокое разрешение
- Точный автофокус
- Удобная интеграция и управление
- Легкая работа при многокамерной съемке
- Автофрейминг
- Функция записи на карты памяти



Спасибо за внимание

