# SONY

**COLOR CAMERA BLOCK** FCB-9500 Series

A new color camera block that achieves higher visibility by adopting new lens, image sensor, and ISP by Japanese manufacturer.

Experience 30x enhanced optical zoom in a compact size even with the larger 1/1.8 sensor.

The camera can be used in a wide variety of scenes, including environments with harsh conditions,

in particular the new super image stabilizer has greatly improved blur suppression compared to conventional models. Select from a lineup of 3 models: 4M model (HDMI output) and full HD models (MIPI or LVDS output) in the same sized housing.



## **4**M

# FCB-EW9500H

4M (2160p/60) HDMI 30x Enhanced Optical Zoom

## Full HD

# FCB-EV9500M

Full HD (1080p/60) MIPI 30x Enhanced Optical Zoom

## FCB-EV9500L Preliminary

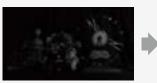
Full HD (1080p/60) LVDS 30x Enhanced Optical Zoom Launch schedule: First half of 2022





**Conventional Model** 

FCB-FW9500H



Conventional Model

Conventional Model



FCB-EW9500H

## **High Sensitivity**

**High Resolution** 

#### STARVIS

STARVIS

Through introduction of new cell structures and circuit technology, the series efficiently uses light, achieving twice the sensitivity compared to conventional image sensors. Consequently, clear images can be captured even during the night and in dark environments.

Utilizing a 4M sensor and sharp lens achieve superior resolution and accurate image representation with the evolved AF/AE/

Combined with enhanced optical zoom achieve a high image

AWB functions even in low light environments.

quality from the Wide end to the Tele end.

#### "Super" Mode



FCB-EW9500H

#### Super Image Stabilizer

Enables capturing of highly precise video with reduced blurring even in harsh environments with strong vibrations by greatly improving blur suppression and image stabilizer. Equipped with the "Super" and "Super+ (plus)"\* modes.

\*Available during full HD or HD output

## **Features**

#### **30x Enhanced Optical Zoom**

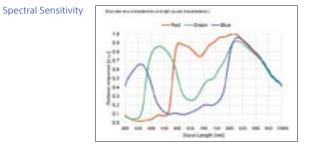
Using a compact lens designed for resolutions up to 8M the camera maximizes the coverage of the 4M sensor. The newly designed lens provides high resolution and low aberration, making it capable of capturing high resolution images that span from the Tele end from the screen center to the surrounding edges.

There is no image deterioration using the 30x enhanced optical zoom. Experience full sharpness and dramatically reduced chromatic aberration in full HD output and also achieve images with sharp resolution during 4M output.

#### Equipped with an approximately 417 million- STARVIS effective-pixel, 1/1.8-type high sensitive, AR-coated (anti-reflective coating) CMOS sensor

With a high spectral sensitivity value in near infrared to infrared, it is especially effective for security uses.

Furthermore, the AR coating minimizes the ghost phenomenon and enables capturing of images without missing crucial information even during the night and in dark environments.



#### Super Image Stabilizer

Applying a wide correction area using 4M pixels the camera series suppresses blurs from strong vibrations and rotational vibrations compared to conventional models. There are 2 modes available to select from based on the scale of vibrations.

#### Super

Suppresses strong vibrations with a wider correction area compared to conventional electronic vibration suppressors.

#### Super+

By employing a wider correction area than "Super," "Super+" suppresses intense vibrations that cannot be suppressed with "Super."

Potential application: Shipboard, attachments for ITS surveillance, on bridges, drones, vehicles, etc.

#### Flare reduction with the new iris

Diamond flares and ghosts that occur on lenses disrupts focusing and deteriorates the image quality.

The new lens adopts 7 blades compared to the conventional 2 blades, improving this phenomenon by generating fine circular flares, and thus greatly improving image quality.





#### Color image acquisition during ICR ON

On conventional models, only black and white images are achieved while the IR cut filter was removed. The new ICR ON COLOR function enables the camera to capture shots with color even when the IR cut filter is removed.

It is effective for color visibility in dark environments. \*The precision of color reproduction varies depending on the light source

and brightness.

Comparison images in full HD output



Conventional

Model

(30x Optical Zoom)





Model

(30x Optical Zoom)



FCB-EW9500H (30x Enhanced Optical Zoom)

#### Comparison images when 0.03lx Halogen 1/30s ICR: ON HS: OFF

FCB-EW9500H

(30x Enhanced

Optical Zoom)





Conventional Model

FCB-FW9500H

#### Ghost reduction effect





Conventional Model

FCB-FW9500H



**Conventional Model** 

FCB-FW9500H

M Image Sensor 4M Image Senso Super+ deo Jtput Area Correction

#### **Conventional Model**



#### FCB-EW9500H: 7 blades iris



Fine circular flare

#### Comparison images when 0.03lx Halogen 1/4s ICR:ON COLOR HS:OFF



Conventional Model



#### Spot Focus · Spot AE · Spot AWB

Enables functioning of AF, AE, and AWB only in specified areas within the screen. Enables independent specification of any rectangle of the entire screen divided in 6 x 8. For example, if the subject location is specified with Spot AE, enables capturing of images with Exposure effects reduced even if brightness changes occur outside the specified frame.

#### Wide Dynamic Range (Wide-D)

Wide-D mode is a function for dividing an image into several blocks for correcting blocked-up shadows and blown-out highlights in accordance with the intensity difference. It enables image acquisition in which portions ranging from dark to light can be recognized, even when capturing a subject with a large intensity difference that is backlit or includes extremely light regions of interest.

#### Visibility Enhancer (VE)

Depending on the imaging scene, the Visibility Enhancer function makes the darker part of a camera image brighter, and automatically correct brightness and contrast to show brig parts clearly.

#### Low Focal Plane Distortion Image

The image warp that occurs when capturing rapidly moving subjects are reduced.

#### Defog (low/mid/high)

When the surrounding area of the subject is foggy and low contrast, the defog mode will reduce the effects of the fog and make the subject appear clearer. You can select from four levels: OFF, Low, Middle and High. The effect level can be automatically adjusted according to the fog density.

#### Noise Reduction (NR)

The NR function removes noise (both random and nonrandom) to provide clearer images.

#### **Privacy Zone Masking**

Privacy Zone masking protects private objects and areas such as house windows, entrances, and exits which are within the camera's range of vision but not subject to surveillance. Privacy zone masking can be masked on the monitor to protect privacy. • Mask can be displayed on 8 places per screen

Individual on/off zone masking settings.

#### StableZoom™

"StableZoom" is a function for performing correction using the Image Stabilizer function in accordance with the zoom ratio, and smoothly zooming up to approximately 36× using a combination of the optical zoom and digital zoom.

#### **Picture Effect**

- E-FLIP
- Freeze

• Black & White (Monochrome Image)

#### **Auto ICR**

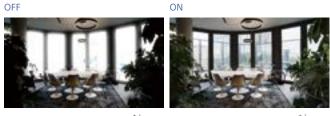
Auto ICR Mode automatically switches the settings needed for attaching or removing the IR Cut Filter. With a set level of darkness, the IR Cut Filter is automatically disabled (ICR On), and the infrared sensitivity is increased. With a set level of brightness, the IR Cut Filter is automatically enabled (ICR Off ). Also, on systems equipped with an IR light, the internal data of the camera is used to make the proper decisions to avoid malfunctions. Auto ICR Mode operates with the AE Full Auto setting. When the Auto ICR Color Mode is set, the color is added.

#### Spot Light Avoidance

Avoid AF /One push AF focus issues when shooting a subject with a bright, spot light source, such as an outdoor light with Spot Light Avoidance.

For example, when shooting outdoors at night with a surveillance camera, the camera may not focus due to the bright light. In that situation, using the Spot Light Avoidance function, reduces the impact of bright lights and you can focus with the AF / One push AF.





\* image



#### **Other Functions**

\* For the setting values, refer to the technical manual.

#### Focus

Equipped with various focus modes.

AE (Auto Exposure Mode)

#### White Balance

Equipped with various modes.

#### Motion Detection (MD)

This function instructs the camera to detect movement within the monitoring area and then send an alarm signal automatically.

#### Custom Preset

The camera shooting conditions can be stored and recalled. The settings are recalled when the power is turned on.

#### Position Preset

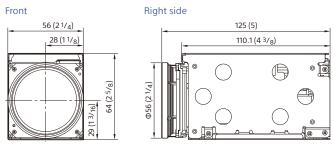
Using the position preset function, 16 sets of camera shooting conditions can be stored and recalled. This function allows you to achieve the desired status instantly, even without adjusting the various items each time.

#### Title Display

#### Temperature Readout

The camera unit's internal temperature can be read from temperature sensor in stabled in the circuit board. Use it as a reference value.

#### **Dimensions**

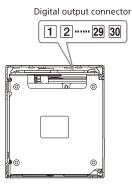


Unit: mm (inches)

#### Connector (Common to all 3 models)

Digital output connector KEL Co. USL00-30L-C Pin assignment varies by model. Refer to the technical manual





## **Specifications**

			Launch schedule: First half of 2022		
	FCB-EW9500H (4M · HDMI)	FCB-EV9500M (Full HD · MIPI)	FCB-EV9500L Prelim (Full HD · LVDS)		
ic Specifications					
mage Sensor	1/1.8-	type STARVIS™ CMOS Sensor (Approx. 4.17M g	bixels)		
Number of effective pixels)			,		
Output Image Size (H x V)	2688x1512 *1 2560x1440*1	1920x1080	), 1280x720		
	1920x1080, 1280x720				
	2160p/60, 2160p/59.94, 2160p/50, 2160p/30, 2160p/29.97, 2160p/25,	1080p/60 1080p	/59.94, 1080p/50,		
	1080p/60, 1080p/59.94, 1080p/50,	1080p/50, 1080p/30, 1080p/29, 97, 1080p/25,   1080p/25, 1080i/60, 1080i/59,94, 1080i/50,   1080i/50, 720p/60, 720p/59, 94, 720p/50,			
Signal System	1080p/30, 1080p/29.97, 1080p/25,				
	1080i/60, 1080i/59.94, 1080i/50,				
	720p/60, 720p/59.94, 720p/50,	720p/30, 720p/29.97, 720p/25			
	720p/30, 720p/29.97, 720p/25				
Minimum Illumination 50%, High Sensitivity Mode ON)		hutter Speed: 1/30 s), 0.0012 lx (Shutter Speed (Shutter Speed: 1/30 s), 0.000005 lx (Shutter			
Vinimum Illumination		utter Speed: 1/30 s), 0.012 lx (Shutter Speed: 1/30 s)			
50%, High Sensitivity Mode OFF)	ICR-On mode: 0.00063 lx	(Shutter Speed: 1/30 s)	1/4 S OF 1/3 S)		
Recommended Illumination		100 lx to 100,000 lx			
mage S/N	50 dB(Weight On)				
Gain		Auto/Manual (0 dB to 50.0 dB), 0 to 28 steps			
hutter Speed		1/1 to 1/1000 s, 22 steps			
Sync System	internal Internal				
	0 dB to ± 10.5 dB, 15 steps				
Exposure Control Backlight Compensation					
	Yes Standard / Straight gamma				
Bamma		Standard / Straight gamma			
perture Control		16 steps			
Vhite Balance		B, Manual WB, Outdoor Auto, Sodium Vapor L			
E (Auto Exposure Mode)		Priority mode (shutter/iris), EV compensation			
	30x Enhanced Optical Zoom	30x Enhanced Optical Zoom	30x Enhanced Optical Zoom		
loom	36x StableZoom *2 *3 12x Digital Zoom	36x StableZoom *2 12x Digital Zoom	36x StableZoom*2		
	I2X DIgital 200m		12x Digital Zoom		
ens (wide to tele)		f = 6.5  mm to  162.5  mm, F1.6  to  4.8			
coom Mode		Standard Mode / Variable Mode / Direct Mode	3		
Coom Movement Speed					
Wide end to Tele end	4.8	s (Focus Tracking ON), 2.9 s (Focus Tracking O	++)		
Wide end to Digital 12x tele	6.1 s (29.97p/59.94p), 6.4 s(25p/50p)				
Digital wide to Digital 12x tele		1.4 s (29.97p/59.94p), 1.6 s (25p/50p)			
ocusing System	Auto Focus (Normal AF, Interval AF, Zoom Trigger AF [Sensitivity: normal, low]), Manual (Standard, Variable, Direct), One Push Trigger, Full Scan One Push Trigger, Near Limit, ICR-on Correction, Spot Focus				
	One Push Trigger, Fu		prrection, Spot Focus		
Focus Movement Time	∞ to Near: 1.4 s 58.1° to 2.3°				
Horizontal Viewing Angle		58.1° to 2.3°			
Minimum Object Distance wide end to tele end)		100 mm to 1200mm			
nera Features					
Auto ICR		Yes			
Wide Dynamic Range (Wide-D)	163 Yes				
/isibility Enhancer	163				
Defog		Yes (low/mid/high)			
Jelog	( 3,				
loise Reduction		Vec(3D + 2D / Independent setting (3D 2D))			
Noise Reduction		Yes (3D + 2D / Independent setting (3D, 2D))			
Progressive Scan Mode		Yes			
Progressive Scan Mode mage Stabilization		Yes Yes: Super image stabilizer (Super / Super+*3			
Progressive Scan Mode mage Stabilization ipot Light Avoidance		Yes Yes: Super image stabilizer (Super / Super+'a) Yes			
Progressive Scan Mode mage Stabilization Spot Light Avoidance Motion Detection		Yes Yes: Super image stabilizer (Super / Super + '3 Yes Yes			
Progressive Scan Mode mage Stabilization ipot Light Avoidance Aotion Detection Privacy Zone Masking		Yes Yes: Super image stabilizer (Super / Super + '3 Yes Yes Yes Yes			
Progressive Scan Mode mage Stabilization ipot Light Avoidance Aotion Detection rivacy Zone Masking Narm		Yes Yes: Super image stabilizer (Super / Super + '3) Yes Yes Yes Yes Yes			
Progressive Scan Mode mage Stabilization pot Light Avoidance Aotion Detection Privacy Zone Masking Jarm Jow AE Response		Yes: Super image stabilizer (Super / Super + *3 Yes Yes Yes Yes Yes Yes Yes Yes			
rogressive Scan Mode mage Stabilization pot Light Avoidance fotion Detection rivacy Zone Masking Jarm low AE Response icture Effects		Yes Yes: Super image stabilizer (Super / Super+*3 Yes Yes Yes Yes Yes Yes Yes Black White (Monochrome Image)			
rogressive Scan Mode mage Stabilization pot Light Avoidance fotion Detection rivacy Zone Masking Jarm low AE Response icture Effects icture Freeze		Yes Yes: Super image stabilizer (Super / Super + '3 Yes Yes Yes Yes Yes Black White (Monochrome Image) Yes			
rogressive Scan Mode mage Stabilization pot Light Avoidance Aotion Detection rivacy Zone Masking Jarm Jow AE Response Picture Effects Picture Freeze lectronic-Flip (E-FLIP)		Yes Yes: Super image stabilizer (Super / Super + '3 Yes Yes Yes Yes Yes Black White (Monochrome Image) Yes Yes Yes			
rogressive Scan Mode mage Stabilization pot Light Avoidance Motion Detection rivacy Zone Masking Jarm Iow AE Response icture Effects icture Freeze Jectronic-Flip (E-FLIP) Mirror Image		Yes Yes: Super image stabilizer (Super / Super + '3) Yes Yes Yes Yes Yes Black White (Monochrome Image) Yes Yes Yes Yes Yes Yes Yes Yes			
rogressive Scan Mode mage Stabilization pot Light Avoidance Motion Detection rivacy Zone Masking Jarm Iow AE Response ficture Effects ricture Freeze Iectronic-Flip (E-FLIP) Mirror Image Iow Shutter		Yes: Super image stabilizer (Super / Super + *3 Yes: Super image stabilizer (Super / Super + *3 Yes Yes Yes Yes Black White (Monochrome Image) Yes Yes Yes Yes Yes Yes			
rogressive Scan Mode mage Stabilization pot Light Avoidance Aotion Detection rivacy Zone Masking Jarm low AE Response ficture Effects ficture Freeze lectronic-Flip (E-FLIP) Airror Image low Shutter emperature Readout		Yes Yes: Super image stabilizer (Super / Super + "3 Yes Yes Yes Yes Yes Black White (Monochrome Image) Yes Yes Yes Yes Yes Yes Yes Yes			
rogressive Scan Mode mage Stabilization pot Light Avoidance fotion Detection rivacy Zone Masking Jarm low AE Response icture Effects icture Freeze lectronic-Flip (E-FLIP) firror Image low Shutter emperature Readout itle Display		Yes Yes: Super image stabilizer (Super / Super + '3 Yes Yes Yes Yes Yes Black White (Monochrome Image) Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes			
rogressive Scan Mode mage Stabilization pot Light Avoidance fotion Detection rivacy Zone Masking Jarm Jow AE Response icture Effects icture Effects icture Freeze lectronic-Flip (E-FLIP) firror Image Jow Shutter emperature Readout itle Display amera Mode Display		Yes Yes: Super image stabilizer (Super / Super + "3 Yes Yes Yes Yes Yes Black White (Monochrome Image) Yes Yes Yes Yes Yes Yes Yes Yes			
rogressive Scan Mode mage Stabilization pot Light Avoidance fotion Detection rivacy Zone Masking Jarm Jow AE Response icture Effects icture Effects icture Freeze lectronic-Flip (E-FLIP) firror Image Jow Shutter emperature Readout itle Display amera Mode Display		Yes Yes: Super image stabilizer (Super / Super + '3 Yes Yes Yes Yes Yes Black White (Monochrome Image) Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes			
Progressive Scan Mode mage Stabilization pot Light Avoidance Aotion Detection riviacy Zone Masking Narm Slow AE Response Picture Effects Picture Freeze Electronic-Flip (E-FLIP) Mirror Image Slow Shutter Temperature Readout Title Display Camera Mode Display rface	Digital : Y/Pb/Pr 4:2:2 (HDMI) Y:8bit, C:8bit	Yes Yes: Super image stabilizer (Super / Super + '3) Yes Yes Yes Yes Yes Black White (Monochrome Image) Yes Yes Yes Yes Yes Yes Yes Yes	Digital : Y/Pb/Pr 4:2:2 (LVDS)		
Progressive Scan Mode mage Stabilization pot Light Avoidance Aotion Detection riviacy Zone Masking Narm Slow AE Response Picture Effects Picture Freeze Electronic-Flip (E-FLIP) Mirror Image Slow Shutter Temperature Readout Title Display Camera Mode Display rface		Yes Yes: Super image stabilizer (Super / Super + '3 Yes Yes Yes Yes Yes Black White (Monochrome Image) Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	Digital : Y/Pb/Pr 4:2:2 (LVDS) (Y: 8 bit, C: 8 bit, Vsync, Hsync, Field, Cl		
Progressive Scan Mode mage Stabilization spot Light Avoidance Motion Detection riviacy Zone Masking Narm Slow AE Response Picture Effects Picture Effects Picture Freeze Electronic-Flip (E-FLIP) Mirror Image Slow Shutter remperature Readout Title Display Eamera Mode Display rface	Digital : Y/Pb/Pr 4:2:2 (HDMI) Y:8bit, C:8bit RGB 4:4:4 (HDMI) R:8bit G:8bit B:8bit	Yes Yes: Super image stabilizer (Super / Super + '3) Yes Yes Yes Yes Yes Black White (Monochrome Image) Yes Yes Yes Yes Yes Yes Yes Yes	Digital : Y/Pb/Pr 4:2:2 (LVDS) (Y: 8 bit, C: 8 bit, Vsync, Hsync, Field, Cl (SMPTE274M/SMPTE296M)		
Progressive Scan Mode mage Stabilization spot Light Avoidance Aotion Detection rrivacy Zone Masking Narm Slow AE Response Picture Effects Picture Freeze Electronic-Flip (E-FLIP) Airror Image Slow Shutter remperature Readout "itle Display Lamera Mode Display rface //ideo Output Camera Control Interface	Digital : Y/Pb/Pr 4:2:2 (HDMI) Y:8bit, C:8bit RGB 4:4:4 (HDMI) R:8bit G:8bit B:8bit	Yes Yes: Super image stabilizer (Super / Super + '3) Yes Yes Yes Yes Yes Black White (Monochrome Image) Yes Yes Yes Yes Yes Yes Yes Yes	Digital : Y/Pb/Pr 4:2:2 (LVDS) (Y: 8 bit, C: 8 bit, Vsync, Hsync, Field, Cl (SMPTE274M/SMPTE296M)		
Progressive Scan Mode mage Stabilization spot Light Avoidance Motion Detection Privacy Zone Masking Alarm Slow AE Response Picture Effects Picture Freeze Electronic-Flip (E-FLIP) Mirror Image Slow Shutter Temperature Readout Fitte Display Camera Mode Display rface /ideo Output Camera Control Interface teral	Digital : Y/Pb/Pr 4:2:2 (HDMI) Y:8bit, C:8bit RGB 4:4:4 (HDMI) R:8bit G:8bit B:8bit	Yes Yes: Super image stabilizer (Super / Super + '3) Yes Yes Yes Yes Yes Black White (Monochrome Image) Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	Digital : Y/Pb/Pr 4:2:2 (LVDS) (Y: 8 bit, C: 8 bit, Vsync, Hsync, Field, Cl (SMPTE274M/SMPTE296M)		
Progressive Scan Mode mage Stabilization pot Light Avoidance Aotion Detection Privacy Zone Masking Narm Slow AE Response Picture Effects Picture Freeze Electronic-Flip (E-FLIP) Airror Image Slow Shutter Temperature Readout Title Display Camera Mode Display rface Video Output Camera Control Interface Power Requirements	Digital : Y/Pb/Pr 4:2:2 (HDMI) Y:8bit, C:8bit RGB 4:4:4 (HDMI) R:8bit G:8bit B:8bit VISCA protocol (CMOS 3.3V Level, 5.	Yes Yes: Super image stabilizer (Super / Super + '3) Yes Yes Yes Yes Yes Black White (Monochrome Image) Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	Digital : Y/Pb/Pr 4:2:2 (LVDS) (Y: 8 bit, C: 8 bit, Vsync, Hsync, Field, Cl (SMPTE274M/SMPTE296M) 38.4 kbps, 115.2 kbps, Stop bit: 1 bit		
Progressive Scan Mode mage Stabilization Spot Light Avoidance Motion Detection Privacy Zone Masking Narm Slow AE Response Picture Effects Picture Freeze Electronic-Flip (E-FLIP) Mirror Image Slow Shutter Femperature Readout Fitle Display Camera Mode Display rface Video Output Camera Control Interface eral Power Requirements Power Consumption	Digital : Y/Pb/Pr 4:2:2 (HDMI) Y:8bit, C:8bit RGB 4:4:4 (HDMI) R:8bit G:8bit B:8bit	Yes Yes: Super image stabilizer (Super / Super + '3 Yes Yes Yes Yes Yes Black White (Monochrome Image) Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	Digital : Y/Pb/Pr 4:2:2 (LVDS) (Y: 8 bit, C: 8 bit, Vsync, Hsync, Field, Cl (SMPTE274M/SMPTE296M) 38.4 kbps, 115.2 kbps, Stop bit: 1 bit		
Progressive Scan Mode mage Stabilization spot Light Avoidance Motion Detection rivacy Zone Masking Alarm Slow AE Response Picture Effects Picture Freeze Electronic-Flip (E-FLIP) Mirror Image Slow Shutter Femperature Readout Fitle Display Camera Mode Display rface Video Output Camera Control Interface leral Power Consumption Deperating Temperature	Digital : Y/Pb/Pr 4:2:2 (HDMI) Y:8bit, C:8bit RGB 4:4:4 (HDMI) R:8bit G:8bit B:8bit VISCA protocol (CMOS 3.3V Level, 5.	Yes Yes: Super image stabilizer (Super / Super + '3) Yes Yes Yes Yes Yes Black White (Monochrome Image) Yes Yes Yes Yes Yes Yes Yes Yes	Digital : Y/Pb/Pr 4:2:2 (LVDS) (Y: 8 bit, C: 8 bit, Vsync, Hsync, Field, Cl (SMPTE274M/SMPTE296M)		
Progressive Scan Mode mage Stabilization Jopot Light Avoidance Aotion Detection Privacy Zone Masking Narm Jow AE Response Picture Effects Picture Effects Picture Freeze Liectronic-Flip (E-FLIP) dirror Image Jow Shutter Picture Readout Title Display Lamera Mode Display rface Pideo Output Camera Control Interface eral Power Requirements Power Consumption Diperating Temperature Utorage Temperature	Digital : Y/Pb/Pr 4:2:2 (HDMI) Y:8bit, C:8bit RGB 4:4:4 (HDMI) R:8bit G:8bit B:8bit VISCA protocol (CMOS 3.3V Level, 5.	Yes Yes: Super image stabilizer (Super / Super + '3 Yes Yes Yes Yes Yes Black White (Monochrome Image) Yes Yes Yes Yes Yes Yes Yes Yes	Digital : Y/Pb/Pr 4:2:2 (LVDS) (Y: 8 bit, C: 8 bit, Vsync, Hsync, Field, Cl (SMPTE274M/SMPTE296M) 38.4 kbps, 115.2 kbps, Stop bit: 1 bit		
Progressive Scan Mode mage Stabilization Aotion Detection Arivacy Zone Masking Narm Slow AE Response Picture Effects Picture Freeze Electronic-Flip (E-FLIP) Mirror Image Slow Shutter Temperature Readout Title Display Camera Mode Display Frace Aideo Output Camera Control Interface (eral Power Requirements Power Consumption Deperating Temperature Storage Temperature Deperating Humidity	Digital : Y/Pb/Pr 4:2:2 (HDMI) Y:8bit, C:8bit RGB 4:4:4 (HDMI) R:8bit G:8bit B:8bit VISCA protocol (CMOS 3.3V Level, 5.	Yes Yes: Super image stabilizer (Super / Super+ '3 Yes Yes Yes Yes Yes Yes Black White (Monochrome Image) Yes Yes Yes Yes Yes Yes Yes Yes	Digital : Y/Pb/Pr 4:2:2 (LVDS) (Y: 8 bit, C: 8 bit, Vsync, Hsync, Field, Cl (SMPTE274M/SMPTE296M) 38.4 kbps, 115.2 kbps, Stop bit: 1 bit		
Progressive Scan Mode mage Stabilization pot Light Avoidance Aotion Detection riviacy Zone Masking Narm Slow AE Response Picture Effects Picture Freeze Electronic-Flip (E-FLIP) Airror Image Slow Shutter Temperature Readout Title Display Camera Mode Display rface Aideo Output Camera Control Interface Teral Power Requirements Power Consumption Operating Temperature Storage Temperature Storage Temperature Storage Humidity	Digital : Y/Pb/Pr 4:2:2 (HDMI) Y:8bit, C:8bit RGB 4:4:4 (HDMI) R:8bit G:8bit B:8bit VISCA protocol (CMOS 3.3V Level, 5.	Yes Yes: Super image stabilizer (Super / Super+"3 Yes Yes Yes Yes Yes Yes Black White (Monochrome Image) Yes Yes Yes Yes Yes Yes Yes Yes	Digital : Y/Pb/Pr 4:2:2 (LVDS) (Y: 8 bit, C: 8 bit, Vsync, Hsync, Field, Cl (SMPTE274M/SMPTE296M) 38.4 kbps, 115.2 kbps, Stop bit: 1 bit		
Progressive Scan Mode mage Stabilization Aotion Detection Arivacy Zone Masking Narm Slow AE Response Picture Effects Picture Freeze Electronic-Flip (E-FLIP) Mirror Image Slow Shutter Temperature Readout Title Display Camera Mode Display Frace Aideo Output Camera Control Interface (eral Power Requirements Power Consumption Deperating Temperature Storage Temperature Deperating Humidity	Digital : Y/Pb/Pr 4:2:2 (HDMI) Y:8bit, C:8bit RGB 4:4:4 (HDMI) R:8bit G:8bit B:8bit VISCA protocol (CMOS 3.3V Level, 5.	Yes Yes: Super image stabilizer (Super / Super+ '3 Yes Yes Yes Yes Yes Yes Black White (Monochrome Image) Yes Yes Yes Yes Yes Yes Yes Yes	Digital : Y/Pb/Pr 4:2:2 (LVDS) (Y: 8 bit, C: 8 bit, Vsync, Hsync, Field, Cl (SMPTE274M/SMPTE296M) 38.4 kbps, 115.2 kbps, Stop bit: 1 bit		

\*2 StableZoom increases the magnification by combining optical zoom and digital zoom.

©2021 Sony Corporation Reproduction in whole or in part without written permission is prohibited. Features and specifications are subject to change without notice. The values for mass and dimensions are approximate. SONY is a registered trademark of Sony Group Corporation. STARVIS and StableZoom are trademarks of Sony Group Corporation or its

affiliates.

All other trademarks are the property of their respective owners. Please visit Sony's professional website or contact your Sony representative for specific models available in your region.

Distributed by