

ILCE6700/B Specifications

Clear Image Zoom

Still images

Approx. 2x

Movies

Approx. 1.5x (4K), Approx. 2x (HD)

Exposure control

METERING SENSITIVITY

EV-3 to EV20 (ISO100 equivalent with F2.0 lens attached)

Metering Type

1200-zone evaluative metering

Exposure Compensation

+/- 5.0 EV (1/3 EV, 1/2 EV steps selectable)

ISO Sensitivity (Recommended Exposure Index)

Still images: ISO 100 - 32000 (expandable to ISO 50 - 102400), AUTO (ISO 100 - 6400, selectable lower limit and upper limit) Movies: ISO 100 - 32000 equivalent, AUTO (ISO 100 - 6400, selectable lower limit and upper limit)

Anti-Flicker Shoot.

Yes⁴⁰

Flash

Flash compensation

+/- 3.0 EV (switchable between 1/3 and 1/2 EV steps)

Control

Pre-flash TTL

type

-

External Flash Compatibility

Sony α System Flash compatible with Multi Interface Shoe, attach the shoe adaptor for flash compatible with Auto-lock accessory shoe

Focus system

type

Fast Hybrid AF (phase-detection AF / contrast-detection AF)

FOCUS POINT

Still images: Max. 759 points (phase-detection AF) Movies: Max. 495 points (phase-detection AF)

Other Features

AF Track Sens. (Still), AF Subj. Shift Sensitivity (Movie), AF Transition Speed (Movie), Switch V/H AF Area, AF Area Regist., Circ. of Focus Point, Focus Map (Movie), AF Assist (Movie)

AF illuminator

Yes (with Built-in LED type)

Focus Sensitivity Range

EV-3 to EV20 (ISO100 equivalent with F2.0 lens attached)

Recognition Target (Still images)

Human, Animal, Bird, Insect, Car, Train, Airplane

Recognition Target (Movies)

Human, Animal, Bird, Insect, Car, Train, Airplane

LCD Screen

Touch Panel

Yes

Number of Dots

1 036 800 dots

Adjustable Angle

Opening Angle: Approx. 176°, Rotation Angle: Approx. 270°

type

7.5 cm (3.0-type) type TFT

Movie Functions

Slow & Quick Motion (S&Q)

Yes

Proxy Recording

Yes

TC/UB

Yes

Movie Recording Format (XAVC HS 4K)

3840 x 2160 (4:2:0, 10bit) (Approx.)

119.88p (200 Mbps), 100p (200 Mbps), 59.94p (150 Mbps / 75 Mbps / 45 Mbps), 50p (150 Mbps / 75 Mbps / 45 Mbps), 23.98p (100 Mbps / 50 Mbps / 30 Mbps)

3840 x 2160 (4:2:2, 10bit) (Approx.)

119.88p (280 Mbps), 100p (280 Mbps), 59.94p (200 Mbps / 100 Mbps), 50p (200 Mbps / 100 Mbps), 23.98p (100 Mbps / 50 Mbps)

Movie Recording Format (XAVC S 4K)

3840 x 2160 (4:2:0, 8bit) (Approx.)

119.88p (200 Mbps), 100p (200 Mbps), 59.94p (150 Mbps), 50p (150 Mbps), 29.97p (100 Mbps / 60 Mbps), 25p (100 Mbps / 60 Mbps), 23.98p (100 Mbps / 60 Mbps)

3840 x 2160 (4:2:2, 10bit) (Approx.)

119.88p (280 Mbps), 100p (280 Mbps), 59.94p (200 Mbps), 50p (200 Mbps), 29.97p (140 Mbps), 25p (140 Mbps), 23.98p (100 Mbps)

Movie Recording Format (XAVC S HD)

1920 x 1080 (4:2:0, 8bit) (Approx.)

119.88p (100 Mbps / 60 Mbps), 100p (100 Mbps / 60 Mbps), 59.94p (50 Mbps / 25 Mbps), 50p (50 Mbps / 25 Mbps), 29.97p (50 Mbps / 16 Mbps), 25p (50 Mbps / 16 Mbps), 23.98p (50 Mbps)

1920 x 1080 (4:2:2, 10bit) (Approx.)

59.94p (50 Mbps), 50p (50 Mbps), 29.97p (50 Mbps), 25p (50 Mbps), 23.98p (50 Mbps)

Movie Recording Format (XAVC S-I 4K)

3840 x 2160 (4:2:2, 10bit) (Approx.)

59.94p (600 Mbps), 50p (500 Mbps), 29.97p (300 Mbps), 25p (250 Mbps), 23.98p (240 Mbps)

Movie Recording Format (XAVC S-I HD)

1920 x 1080 (4:2:2, 10bit) (Approx.)

59.94p (222 Mbps), 50p (185 Mbps), 29.97p (111 Mbps), 25p (93 Mbps), 23.98p (89 Mbps)

Power Consumption

With Viewfinder

Still images: Approx. 3.6 W (with E PZ 16-50mm F3.5-5.6 OSS lens attached), Movies: Approx. 5.2 W (with E PZ 16-50mm F3.5-5.6 OSS lens attached)

With LCD screen

Still images: Approx. 3.5 W (with E PZ 16-50mm F3.5-5.6 OSS lens attached), Movies: Approx. 5.3 W (with E PZ 16-50mm F3.5-5.6 OSS lens attached)

Recording System

Memory Card Slot

Slot for SD (UHS-I/II compliant) memory card

Recording system (movie)

Video Compression

XAVC S: MPEG-4 AVC/H.264 XAVC HS: MPEG-H HEVC/H.265

Audio Recording Format

LPCM 2ch (48 kHz 16 bit), LPCM 2ch (48 kHz 24 bit)³⁹, LPCM 4ch (48 kHz 24 bit)³⁹

Recording system (still image)

Recording Format

JPEG (DCF Ver. 2.0, Exif Ver. 2.32, MPF Baseline compliant), HEIF (MPEG-A MIAF compliant), RAW (Sony ARW 4.0 format compliant)

Image Size (pixels) [3:2]

APS-C L: 6192 x 4128 (26 M), M: 4384 x 2920 (13 M), S: 3104 x 2064 (6.4 M)

Image Quality Modes

RAW, JPEG, HEIF (4:2:0 / 4:2:2), RAW & JPEG, RAW & HEIF

RAW Output

Yes

Shutter

Shutter Type

Mechanical shutter / Electronic shutter

SHUTTER SPEED

Still images (Mechanical shutter): 1/4000 to 30 s, Bulb Still images (Electronic shutter): 1/8000 to 30 s
Movies: 1/8000 to 1 s

Flash Sync. Speed

1/160 s

Electronic Front Curtain Shutter

Yes (ON/OFF)

USB Streaming

VIDEO DATA FORMAT

MJPEG, YUV420⁴⁷

Video Resolution

3840 x 2160 (15p / 30p) 3840 x 2160 (12.5p / 25p) 1920 x 1080 (30p / 60p) 1920 x 1080 (25p / 50p) 1280 x 720 (30p) 1280 x 720 (25p)

AUDIO DATA FORMAT

LPCM 2ch (16bit 48 kHz)

Viewfinder

Viewfinder Type

1.0 cm (0.39 type) electronic viewfinder (XGA OLED)

Magnification

Approx. 1.07x (35 mm camera equivalent: Approx. 0.70x) with 50 mm lens at infinity, -1 m⁻¹

Eye Point

Approx. 22 mm from the eyepiece lens, 19.4 mm from the eyepiece frame at -1 m⁻¹ (CIPA standard)

Number of Dots
2 359 296 dots

Dioptre Adjustment
-4.0 to +3.0 m⁻¹

Finder Frame Rate Selection
NTSC mode: STD 60fps / HI 120fps, PAL mode: STD 50fps / HI 100fps

Weight
Body only
Approx. 409 g

Weight (with battery and memory card included)
Approx. 1 lb 1.4 oz

Body only (oz.)
Approx. 0 lb 14.5 oz

Dimensions
Dimensions (W x H x D)
Approx. 122.0 x 69.0 x 75.1 mm, Approx. 122.0 x 69.0 x 63.6 mm (FROM GRIP TO MONITOR)

Dimensions (W x H x D) (in.)
Approx. 4 7/8 x 2 3/4 x 3 inches, Approx. 4 7/8 x 2 3/4 x 2 5/8 inches (FROM GRIP TO MONITOR)

Drive
Continuous Drive Speed (approx. max.)
Hi+: 11 fps

No. of recordable frames (approx.)
JPEG Extra fine L: 143 frames JPEG Fine L: over 1000 frames JPEG Standard L: over 1000 frames RAW: 59 frames RAW & JPG: 44 frames RAW (Lossless Compressed): 23 frames RAW (Lossless Compressed) & JPEG: 18 frames

Pixel Shift Multi Shooting
-

Image Stabilization
type
Image sensor-shift mechanism with 5-axis compensation (compensation depends on lens specifications)

Mode
Still images: On / Off Movie: Active / Standard / Off

Compensation Effect

5.0 stops (based on CIPA standard. Pitch/yaw shake only. With FE 50mm F1.2 GM lens mounted. Long exposure NR off.)

Lens Compensation

Setting

Shading, Chromatic Aberration, Distortion, Breathing (Movie)

Operating temperature

Operating Temperature

0 - 40 °C / 32 - 104 °F

Audio

Microphone

Built-in, stereo

Speaker

Built-in, monaural

Camera Section

Number of Pixels (Effective)

Still images: Approx. 26.0 megapixels max. Movies: Approx. 19.9 megapixels max.

Number of Pixels (total)

Approx. 27.0 megapixels

type

APS-C type (23.3 x 15.5 mm), Exmor R CMOS sensor

Color Temperature Range

2500 K - 9900 K

Anti-Dust System

Yes

Interface

HD Output

HDMI micro connector (Type-D), 3840 x 2160 (59.94p / 50p / 29.97p / 25p / 23.98p) / 1920 x 1080 (59.94p / 50p / 23.98p) / 1920 x 1080 (59.94i / 50i), YCbCr 4:2:2 10bit / RGB 8bit

Multi Interface Shoe

Yes (with Digital Audio Interface)

PC Interface

Mass Storage / MTP

Multi / Micro USB Terminal

-

NFC™

-

Sync terminal

-

Wireless LAN (Built-In)

Yes (Wi-Fi Compatible, IEEE 802.11a/b/g/n/ac (2.4 GHz band/5 GHz band))^{44, 45}

Bluetooth

Yes (Bluetooth Standard Ver. 4.2 (2.4 GHz band))

Mic Terminal

Yes (3.5 mm Stereo minijack)

Headphone Terminal

Yes (3.5 mm Stereo minijack)

Remote Control (Wireless)

Yes (Bluetooth remote control)

LAN Terminal

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USB Type-C® Terminal

Yes (SuperSpeed USB 5 Gbps (USB 3.2) compatible)

Functions

Send to smartphone Remote control via smartphone PC Remote

Playback

Modes

Enlarged display mode, Protect, Rating, Shot Mark (Movie), Divider Frame, Crop, Photo Capture

Power

USB Power Supply

Yes (Available with USB Type-C Terminal. USB Power Delivery compatible)

Supplied Battery

One rechargeable battery pack NP-FZ100

Battery Life (Movie, continuous recording)

Approx. 190 min (Viewfinder) / Approx. 185 min (LCD monitor) (CIPA standard)

Internal Battery Charge

Yes (Available with USB Type-C Terminal. USB Power Delivery compatible)

Battery Life (Still Images)⁴⁸

Approx. 550 shots (Viewfinder) / Approx. 570 shots (LCD monitor) (CIPA standard)

Battery Life (Movie, actual recording)⁴⁹

Approx. 95 min (Viewfinder) / Approx. 100 min (LCD monitor) (CIPA standard)

Accessibility

Functions

Screen Reader, Focus Magnifier, Focus Map (Movie), Peaking Display, Subject Recognition in AF, Touch Focus, Touch Tracking, Touch Shutter, Touch AE, Vari-angle LCD screen, Custom function

What's In The Box

Supplied Accessory

Rechargeable Battery NP-FZ100, Shoulder strap, Body cap, Accessory shoe cap, Eyepiece cup

Other Features

Other Features

Soft Skin Effect, Creative Look, Custom function, Picture Profile, Time-lapse, Auto Framing, My Image Style