

Camera

Image Sensor

1.0-type back-illuminated Exmor R CMOS sensor

Image Sensor (Number of Effective Pixels)

Approx. 14.2 Megapixels

Image Sensor (Total Number of Pixels)

Approx. 20.4Megapixels

Signal System

1080/59.94p,1080/59.94i,720/59,94p, 1080/50p,1080/50i, 720/50p, 1080/23.98p

Minimum Illumination (50IRE)

1.7 lux
(50IRE, F2.8, 1/30s, Max.Gain)

Horizontal Resolution

850 TV line
(in 3G-SDI output) (center)

Gain

Auto/Manual (-3dB to +33dB)

Shutter Speed

1/10000s to 1/8 (59.94/29.97)
1/10000s to 1/6 (50/25/23.98)

Exposure Control

Auto, Manual, Priority mode (shutter priority, iris priority, gain priority), Back light, Spot light

White Balance

Auto1/Auto2/One Push/Indoor/Outdoor/Manual

Optical Zoom

12x

Clear Image Zoom

2x

Digital Zoom

No

Tele Convert Mode

Off, 2x
*1920x1080 only

Focusing System

Auto/Manual

Horizontal Viewing Angle

Typ. 64.6° (Wide-end)

Focal Length

f=9.3 to 111.6mm
F2.8(Wide) ,F4.5(Tele)

Minimum Object Distance

1000mm(Tele)
80mm (Wide)

Pan/Tilt Angle

Pan: ±170°
Tilt: +90°/-30°

Pan/Tilt Speed

Pan:
0.3° to 60°/s *1
0.05° to 60°/s *2
0.02° to 60°/s *3

Tilt:

0.3° to 60°/s *1
0.05° to 60°/s *2
0.02° to 60°/s *3

*1 When P/T SPEED TYPE setting is NORMAL

*2 When P/T SPEED TYPE setting is Extd. RANGE (Requires firmware V2.10)

*3 When P/T SPEED TYPE setting is Extd. STEP (Requires firmware V2.10)

Pan/Tilt Slow Mode

Yes

Pan/Tilt Operation Noise

NC30 or less*

* Sony measurement conditions

Preset Position

100

PTZ Trace Memory

16

PTZ Motion Sync

Yes

Camera Tracking Data Output

Yes

(Requires firmware V2.10)

Camera Features

Day/Night

Yes

Visibility Enhancer

Yes

Image Flip

On/Off

Picture Profile Preset

Yes

ND Filter

Off, 1/4, 1/16, 1/64 switchable in menu

Color Gain

Yes (15 step)

Color Hue

Yes (15 step)

Color Matrix

Off/Standard/High Saturation/FL light/MOVIE/STILL/CINEMA/PRO/ITU709/BW

Gamma

Standard/Straight/MOVIE/STILL/CINE1/CINE2/CINE3/CINE4/ITU709//Pattern

Gamma Level

Yes (15 step)

Black Level

Yes (97 step)

Black Gamma

Yes (15 step)

Knee Point

Yes (13 step)

Knee Slope

Yes (15 step)

Flicker Cancel

Interface

4K Video Output

No

HD Video Output

3G-SDI x2 and HDMI

HDMI Color Space

YCbCr, 4:2:2

RGB, 4:4:4

Camera Control Interface

VISCA RS-422

RJ45(In/Out)

VISCA over IP RJ45

External Sync. Input

BNC, 75Ω, HD 3-level sync, SD Black Burst

Power Connector Type

IEC60130-10

(JEITA standard RC-5320A)

TYPE4

General

Power Requirements

DC 10.8V to 13.2V,

PoE+ (IEEE802.3at compliant)

Power Consumption

DC12 V:19.0W (Max)

PoE+:23.0 W (Max)

Operating Temperature

0 °C to 40 °C

32 °F to 104 °F

Storage Temperature

-20 °C to +60 °C

-4 °F to +140 °F

Dimensions (W x H x D)*1

Approx. 198 x 260 x 238mm

(without projecting object)

Approx. 7 7/8 x 10 1/4 x 9 3/8 inch

(without projecting object)

Mass

Approx. 4.3kg

Approx. 9 lb 7.7oz

Optional Card Slots

Not needed

Body Color

Black and White

Size of Screw Hole for Tripod

1/4-20UNC x2

Mountable Angle

Less than ±15 degrees

Ceiling Mount

Yes

Supplied Accessories

IR Remote Commander Unit (1)

Ceiling bracket (2)

Wire rope (1)

Screws(M3 x 8) (7)

Screws(M4 x 8) (1)

HDMI cable fixing plate (1)