

Image Sensor:

1.0-type back-illuminated Exmor R CMOS sensor

Number of effective pixels:

14.2 Megapixels

Picture elements:

3840 x 2160, 8.29 Megapixels

Lens:

Optical, 12X

Digital Zoom:

Digital Zoom 12X, with SRZ feature, 18X zoom at 4K, or 24X zoom at FHD.

Horizontal Angle of View Focal Length:

64.6° (Wide) – 6.1° (Tele),

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

Min. object distance:

80mm (Wide), 1000mm (Tele)

Aperture:

F2.8 Constant (W)~(T), 16 Steps

Min. Illumination:

0.5 lx (1/30 sec, 50%, High Sensitivity mode On)

2.0 lx (1/30 sec, 50%, High Sensitivity mode Off)

0.067 lx (1/4 sec (1/3 sec), 50%, High Sensitivity mode On)

0.267 lx (1/4 sec (1/3 sec), 50%, High Sensitivity mode Off)

Shutter Speed:

1/10000s to 1/8 (59.94/29.97)

Focus:

Auto Focus(Trigger/Interval), Manual Focus(Variable Speed), One Push Trigger, Near Limit

White Balance:

AUTO, ATW, Indoor, Outdoor, One Push WB, Manual WB, Outdoor Auto, Sodium Vapor Lamp(Fix/Auto/Outdoor Auto)

Exposure:

Full Auto, Gain, Gain Limit, Shutter Priority, Iris Priority, Manual, Bright,

Slow Shutter, Max/Min Shutter Limit, Slow AE

Features:

High Sensitivity, Defog mode, Backlight Compensation, HLC,

E-FLIP, Mirror, Flicker Control, Day/Night, Defog

WDR:

YES(130dB)

ND Filter:

YES

Image Stabilizer:

YES

Color Gain:

Yes (15 step)

Color Hue:

Yes (15 step)

Gamma:

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

Gamma Level:

Yes (15 step)

Black Level:

Yes (97 step)

Flicker Cancel:

Yes

Noise Reduction:

On/Off (level 5 to 1 / Off, 6 steps), 2D/3D

S/N Ratio:

≥50db

MECHANICAL

Body Color:

Black, White

Pan Movement:

Horizontal:±350 degrees continuous pan (Zoom Adaptive Speed Range: 0.05°~100°/S)

Tilt Movement:

Vertical:+90 degrees to -30 degrees (Zoom Adaptive Speed Range: 0.05°~50°/S)

Preset Position:

0~5 Level Adjustable

Preset Speed:

0~5 Level Adjustable

Preset Memory:

YES, (Picture Profile Preset-Preset Memory for image parameters)

Quietness:

45db

Home Position:

Supported

Environmental:

Indoor

INTERFACE

4K Video Output:

Main 4K HDMI Type-A (x1)

6G-SDI (x2) or Dual Link 3G-SDI(2SI only) x2

HD Video Output:

Main HD HDMI Type-A (x1)

3G-SDI x2

HDMI Color Space:

YCbCr, 4:2:2 RGB, 4:4:4

NDI Video Encode:

Full bandwidth NDI, NDI HX2 long-GOP

NDI Video Decode:

Full bandwidth HD NDI

NDI Version:

NDI v4.0 (Firmware upgradeable)

IP Video Stream:

UP to 4K/30 and 1080p60

h.264/h.265 HEVC

Camera Control Interface:

RS232/RS-422/RS485(RJ45 x2), NDI/IP Control (RJ45), IR Remote Control

Control Protocol:

NDI, VISCA, VISCA Over IP

LAN:

RJ45X1(1000Mb), NDI/IP video streaming, System upgrade, PoE(IEEE802.3bt)

External Sync. Input:

BNCX1, 75Ω, HD 3-level sync, SD Black Burst

Audio I/O:

Audio input x1, Audio output x1, 3.5mm audio jack

Audio Output:

Embedded with main HDMI, 24bit Stereo

Embedded with SDI, 24bit Stereo

Embedded with NDI

Tally Light:

Front and Back

ENVIRONMENTAL

Mount:

Ceiling mount, Wall mount, Tripod

Operating Temperature :

-10 to +40 (°C), 32 to 104 (°F)

Operating Humidity:

≤80% Suitable for Use

Power Input:

12VDC, PoE++ (IEEE 802.3bt)

Power Consumption:

22W

Dimension:

165x196x247mm

Weight:

3.4kg