

Technical Specifications

Imaging

Image Sensor	Image Stabilization
1/1.3" CMOS sensor	E.I.S.
Horizontal Resolution (TV Lines)	Focus Control
2160 TV Lines	PDAF (Phase Detection Auto Focus), Manual Focus
Built in ND Filter	Image Profile
No	Rec 709, Cine, High Contrast, Vivid, Concert, Gamma

Exposure Control

Shutter Speed	Gain
1/8000 to 1 second	0 to 24 dB (ISO 800 to 25600)
White Balance	
Auto	
Incandescent	
Cloudy	
D10000	
Fluorescent	
Indoor	
Daylight	
Shade	
Manual	

Lens

Focal Length	Maximum Aperture
35mm to 573mm (36mm equivalent)	f/1.6 (W) / f/3.5 (T) to f/11
Optical Zoom Ratio	Minimum Focus Distance
18x	Wide: 3.94" /10 cm, Tele: 78.7" / 220 cm
Max Digital Zoom	ND
36x (in 1080p)	No
Field of View	OLPF
Horizontal: 53° to 3.6°	No

Video Capture

External Recording Modes	Audio Recording
HDMI	3.5 mm TRS (Mic in / Line in)
UHD 4K (3840 x 2160) at 23.98/24/25/29.97/50/59.94 fps	
HD (1920 x 1080p) at 23.98/24/25/29.97/50/59.94 fps	

HD (1920 x 1080i) at 50/59.94 fps
SDI / BNC
HD (1920 x 1080p) at 23.98/24/25/29.97/50/59.94 fps
HD (1920 x 1080i) at 50/59.94 fps
RJ45 / USB
UHD 4K (3840 x 2160) at 24/25/29.97/50/59.94 fps
HD (1920 x 1080p) at 24/25/29.97/50/59.94

Internal Recording Modes

UHD 4K (3840 x 2160) at 23.98/24/25/29.97/50/59.94 fps
HD (1920 x 1080p) at 23.98/24/25/29.97/50/59.94

IP Streaming

H.264, H.265, RTMP, RTMPS, RTSP, SRT, SSP, UVC, NDI_HX3*
UHD 4K (3840 x 2160) at 24/25/29.97/50/59.94 fps
HD (1920 x 1080p) at 24/25/29.97/50/59.94

Broadcast Output

NTSC / PAL

Control

Presets

256 via CGI
100 via VISCA
9 via IR

Move Speed

Pan: 0.1 to 180°/sec
Tilt: 0.1 to 180°/sec

Movement Range

Pan: 350° (-175° to +175°)
Tilt: 240° (-30° to +210°)

Movement Accuracy

0.01°

Tally Light

Yes

Supported Control Protocols

IR
NDI_HX3*
VISCA over RS-422
VISCA over IP
Web Client
UVC

FreeD

Yes

Interface

Media / Memory Card Slot

SD (4K 60fps max, H.265, 8-bit color)

Video I/O

1x BNC (3G-SDI) Output
1x RJ45 (IP) Output
1x HDMI Output
1x USB-C 3.0 Gen 1 Output

Audio I/O

1x 1/8" / 3.5 mm TRS Stereo Mic/Line Input

Other I/O

1x BNC (Genlock) Input
1x RJ45 (VISCA / RS-422) Input
1x RJ45 (VISCA / RS-422) Output

Power

PoE Support

PoE+ 802.3at

Power I/O

1x Barrel (12V DC) Input

Power Consumption

18W maximum

Environmental

Operating Temperature
0 °C to 40 °C (32 °F to 104 °F)

General

Mounting
3/8" Screw Hole + 1/4" Adapter
Desktop / Ceiling

Certifications
CE, FCC, RoHS

Weight
7.4 lb / 3.35 kg (body only)

Environmental Resistance
No

Color
Black

Fanless Design
Yes

*NDI_HX3 will be offered as an upgrade license, available for separate purchase.

